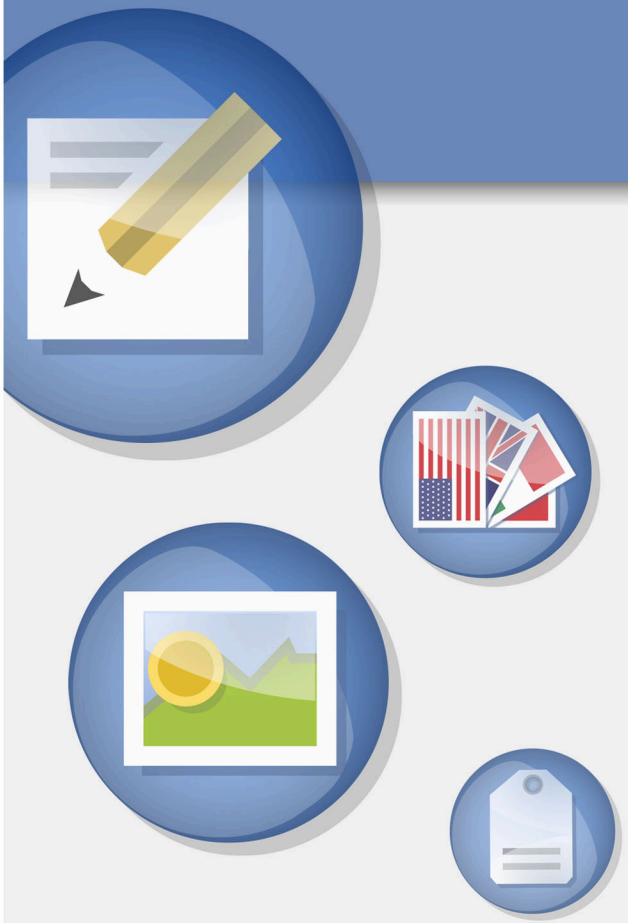
FatWire | Content Server 7

Version 7.0.1



Property Files Reference

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FatWire® SOFTWARE

FatWire Content Server Property Files Reference
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FatWire Technical Support
www.fatwire.com/Support

FatWire Headquarters
FatWire Corporation
330 Old Country Road
Suite 207
Mineola, NY 11501
www.fatwire.com

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About This Reference

This guide is a reference to Content Server's property files and the properties they contain. The properties are used to specify the operating parameters for Content Server and its applications.

Who Should Use This Reference

This reference is written for Content Server installation engineers, developers, and administrators of Content Server systems.

How This Reference Is Organized

This reference organizes property files by Content Server product.

The introductory section explains the importance of using the Property Editor to modify property files, and provides instructions on using the Property Editor.

Part 1, "Content Server Property Files" covers properties for Content Server and its page caching application Satellite Server.

Part 2, "Content Server Applications" covers the property files of the Engage add-on application and remotely installed Satellite Server.

Part 3, "Third-Party Libraries and Applications" explains how Content Server integrates with third-party libraries and provides information about property files that support Keyview.

At the end of this reference are two indexes: a standard index and a properties index.

Related Publications

The FatWire library includes publications written for Content Server users, administrators, and developers. The publications are provided as product manuals with your Content Server installation. They are also posted by version number at the following URL:

```
http://e-docs.fatwire.com/CS
```

Other publications, such as case studies and white papers, provide information about Content Server's feature set and its business applications. To obtain these publications, contact `sales@fatwire.com`.

Introduction

Many of your configuration tasks for Content Server and its applications require you to set or modify values for properties that are specified in property files. These files have either the `.ini` or `.properties` suffix.

A set of property files, along with the “Property Editor” utility, is provided with Content Server. At least one property file is associated with each of the Content Server applications.

This introduction describes the Property Editor and summarizes the property files that are presented in the rest of this reference.

This introduction contains the following sections:

Using the Property Editor

The Property Editor is used to set the values of properties in Content Server's property files. FatWire recommends that you always use the Property Editor to set values, because using other editors can create problems. For example, the JumpStart Kit renames property files; launching the Property Editor ensures that the correct file will be displayed for modification. The Property Editor is also capable of encrypting password fields; modifying the fields outside the Property Editor can corrupt the property values. In addition, the Property Editor ensures that the files are correctly formatted; specifically, the correct property separator characters are used.

Furthermore, the Property Editor organizes properties by function on tabs, and provides descriptive information about the properties, as well as default or possible values.

Starting the Property Editor

To start the Property Editor

Execute the following scripts at the command line prompt or in a UNIX shell:

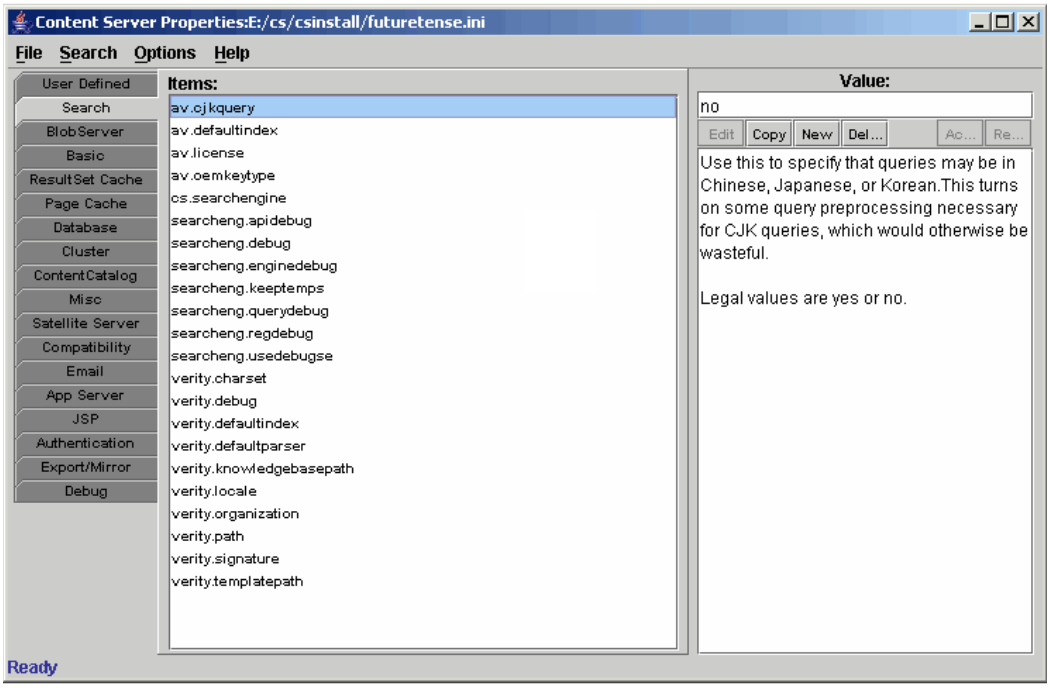
- Windows: `propeditor.bat`, typically located in `<cs_install_dir>/`
- Solaris: `propeditor.sh`, typically located in `$HOME/<cs_install_dir>`

Setting Properties

To set properties for the Content Server products

1. Start the Property Editor, as previously described in "Starting the Property Editor."
2. Select **File** > **Open**.
3. Browse to the property file that you need to modify and then select it.

   The Property Editor opens the file. For example, this is what the `futuretense.ini` file looks like when it is first opened in the Property Editor:



- The tabs (on the left-hand side) group properties by function.
- The **Items** pane lists the properties in the selected tab.
- The **Value** pane lists the current value for the selected property, a brief description of the property, and acceptable values for the property.

4. Select the tab that represents the functional group that contains the property that you want to configure.

   The Property Editor displays the properties from that tab in the **Items** pane.

5. Select the property from the **Items** pane.

   The Property Editor displays the value that is currently set for that property value and a provides a brief description of the property in the **Values** pane.

6. In the **Values** pane, enter the value for the property in the text field at the top.
7. Click **Accept**.
8. Repeat steps 4 through 7 for each property that you want to configure.
9. When you are finished, select **File** > **Save**.
10. Select **File** > **Close**.
11. Stop and restart the application server so the new values can take effect.

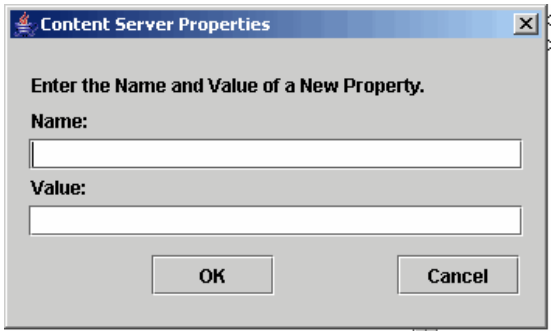
Adding Properties

Some configuration tasks require you to add new, custom properties for your system. For example, when you implement resultset caching, you can create up to three properties for any Content Server database table for which you want to set caching values. (For information about resultset caching, see the *Content Server Developer's Guide*.)

To add a property to the Content Server database

1. Start the Property Editor, previously described in "Starting the Property Editor" on page 10.
2. Select **File** > **Open**.
3. Browse to the property file in which you need to add a property.
4. (Optional) Select the **User Defined** tab. (This step is optional because any property that you create is displayed on the **User Defined** tab the next time you open this property file in the Property Editor no matter which tab you select.)
5. In the **Values** pane, just under the text entry field, click **New**.

   The Property Editor displays the **Content Server Properties** dialog box:



6. Click in the **Name** field and enter the name of the new property.
7. Click in the **Value** field and enter the value for the new property.
8. Click **OK**.

   The new property appears in the **Items** pane and the value appears in the **Values** pane.

> **Note**
>
> If you did not select the **User Defined** tab in step 4, the new property might appear on the tab that was selected when you clicked **New** in step 5. This is temporary. The next time that you open this `ini` file in the Property Editor, the property is displayed on the **User Defined** tab.

9. Select **File** > **Save**.

Deleting Properties

It is unlikely that you will ever have to delete a property. However, if you do have to delete a property, refer to the steps below.

To delete a property

Caution

Never delete a required property.

1. Start the Property Editor. (See "Starting the Property Editor," above.)
2. Select **File** > **Open**.
3. Browse to the property file that you need to modify by deleting a property and select it.
4. Select the tab that represents the functional group that holds the property that you want to delete.
5. Take note of the current value for this property just in case you need to restore it for any reason.
6. In the **Values** pane, just under the text entry field, click **Delete**.

   The Property Editor displays a confirmation message.
7. Click **Yes**.
8. The property is deleted from the property file.
9. Select **File** > **Save**.

Part 1

Content Server Property Files

This part lists the property files that are installed and used by Content Server, including its user manager plug-ins and co-resident Satellite Server.

This part contains information about the following property files:

assetframework.ini

The `assetframework.ini` file holds properties that determine the storage locations of files that hold information about flex asset history and publishing.

This file has a single tab, named “User Defined.”

assetframework.ini: User Defined Tab

Properties `assetframework.ini`: **User Defined** Tab

Property	Description
`afk.historydata`	Specifies the directory that holds history data. **Default value:** `c:/futuretense/history/`
`afk.publishdata`	Specifies the directory that holds publish data. **Default value:** `c:/futuretense/publish/`

batch.ini

The `batch.ini` file provides configuration information for batch processes, which are used in the background by Content Server for various reasons (publishing, for example).

Properties in `batch.ini` are organized by function on the following tabs:

- Configuration Tab
- Debug Tab
- Results Tab
- Security Tab
- User Defined Tab

batch.ini: Configuration Tab

The **Configuration** tab holds properties that are used to configure settings for the threads that are used by the batch processes.

Properties in `batch.ini`: **Configuration** Tab

Property	Description
`thread.count`	Specifies the number of dispatcher threads to allocate and manage in the pool. **Default value:** `32`
`thread.growcache`	Specifies whether additional dispatcher threads (in excess of the number specified by `thread.count`) can be allocated to the pool if they are needed. **Possible values:** `true` | `false` **Default value:** `false`
`thread.idle`	Applies only when `thread.growcache` is set to `true`. Specifies the number of seconds a dispatcher thread can remain idle before it is released by the pool. **Default value:** `10`
`thread.wait`	Applies only when `thread.growcache` is set to `false`. Specifies the number of seconds that a batch process waits for a free dispatcher thread before it reports an error because it cannot complete its task. **Default value:** `15`

batch.ini: Debug Tab

Properties in `batch.ini`: **Debug** Tab

Property	Description
`debug`	Specifies whether debugging for batch processes is enabled or disabled. If you set this value to `true`, messages about the status of batch processes are written to the `futuretense.txt` file. **Default value:** `false`

batch.ini: Results Tab

Properties in `batch.ini`: **Results** Tab

Property	Description
`request.folder`	Specifies the location of the file that stores information about the results of batch processes. For example, the CS publishing system uses this directory to hold the publishing log files. **Default value:** `/dispatcher/`

batch.ini: Security Tab

Properties in `batch.ini`: **Security** Tab

Property	Description
`security.class`	Specifies the name of the class file that is used for security checks. The default is provided for reference only: `com.openmarket.Batch.DefaultSecurity` Do **not** change the value of this property.

batch.ini: User Defined Tab

Properties in `batch.ini`: **User Defined** Tab

Property	Description

Note: This tab, by default, holds no properties.

catalog.ini

The `catalog.ini` file holds properties that Content Server uses to configure the shopping cart.

Properties in `catalog.ini` are organized by function on the following tabs:

- Catalog Tab
- User Defined Tab

catalog.ini: Catalog Tab

Properties in `catalog.ini`: **Catalog** Tab

Property	Description
`mwb.cartsetdir`	Specifies the directory path (including the terminating slash character) where cartset data files are stored. This value is set by the installation. It points to the `/gator/cartset` directory in the installation directory. Do **not** change the value of this property.

catalog.ini: User Defined Tab

Properties in `batch.ini`: **User Defined** Tab

Property	Description
Note: This tab, by default, holds no properties.	

commons-logging.properties

Content Server employs Jakarta Commons Logging to write messages to its log files. By default, two loggers are provided with Content Server: TraditionalLog and StandardLog. A large variety of other loggers are available in the public domain. You can also write your own if the features sought are not present in any available loggers.

- TraditionalLog writes all log messages to the `futuretense.txt` file for each server. TraditionalLog supports log file rolling, custom formatting, date-stamping, and a variety of other features. Optionally, TraditionalLog supports browser-based log retrieval by filtering log messages based on the client's IP address.
- StandardLog also supports custom formatting, date-stamping, and so on, but it sends messages to the standard output and standard error streams; in other words, it sends messages to the java console instead of `futuretense.txt`. While StandardLog does not support browser-based log retrieval, it offers another useful feature: it allows developers running a Jump Start Kit or running Content Server in an IDE debugger to see all of the log messages in the most obvious place. Using StandardLog is a good practice for all template developers, because it alerts you to errors by default, as opposed to sending an error to the `futuretense.txt` file where it requires some effort to be viewed. StandardLog is similar to Apache's default SimpleLog.

To configure Content Server to use StandardLog or TraditionalLog, open `commons-logging.properties` and set the value of the `org.apache.commons.logging.Log` property. The class names of the loggers are as follows:

TraditionalLog	`com.fatwire.cs.core.logging.TraditionalLog`
StandardLog	`com.fatwire.cs.core.logging.StandardLog`

Because Content Server uses JCL, however, any variety of loggers may be used. For example, WebLogic uses log4j as its logger. Users simply need to configure the appropriate categories in the log4j configuration file to use it. Consult JCL and log4j documentation for details about advanced log configuration.

The `commons-logging.properties` file lists the logging properties that can be modified for Content Server. The properties are organized by function on the following tabs:

- Factory Tab
- Loggers Tab
- Traditional Log Tab
- User Defined Tab

commons-logging.properties: Factory Tab

Properties in `commons-logging.properties`: **Factory** Tab

Property	Description
`org.apache.commons.logging.Log`	Specifies the class name implementing the `org.apache.commons.logging.Log` interface that the default commons-logging log factory will use as the logger. **Default value:** `com.fatwire.cs.core.loggingTraditionalLog` The default value names a Content Server enhanced logger that supports additional features not necessarily supported by other loggers, including browser-based retrieval of the log file, rolling logs, and timestamps. **Note:** Before modifying the value, consult the commons-logging documentation.

commons-logging.properties: AsyncLog Tab

Properties in `commons-logging.properties`: **AsyncLog** Tab

Property	Description
`logging.interval`	Specifies the time interval (in milliseconds) between writes to the log file. **Default value:** `5000`

commons-logging.properties: Loggers Tab

Properties in `commons-logging.properties`: **Loggers** Tab

Property	Description
`com.fatwire.logging.cs`	Specifies the log severity for the generic Content Server logger. Messages written to this logger relate to the core Content Server functionality, or they have not been assigned a more appropriate logger. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.auth`	Specifies the log severity for user authentication and user authorization messages. Messages written to this logger relate to user login, user ACLs and user roles. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs. blobserver`	Specifies the log severity for BlobServer debug messages. Messages written to this logger relate to the addition, retrieval, and modification of data in CS page caches. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.cache. page`	Specifies the log severity for page cache debug messages. Messages written to this logger relate to the addition, retrieval, and modification of data in CS page caches. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`

Properties in `commons-logging.properties`: **Loggers** Tab *(continued)*

Property	Description
`com.fatwire.logging.cs.cache.resultset`	Specifies the log severity for result set cache debug messages. Messages written to this logger relate to the addition, retrieval, and modification of data in CS result set caches. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.core.http.HttpAccess`	Logger used by the HttpAccess API to record errors and warnings encountered during HTTP access. This log produces HTTP Request and Response information, including headers, parameters, and body content. `DEBUG` generally produces large amounts of log messages. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.core.uri.assembler`	Logger used by the URI assembler engine and all assemblers. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.core.uri.definition`	Logger used by URI definitions and related implementations. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.db`	Specifies the log severity for database access messages. Messages written to this logger relate to database access, queries and statement execution. It can be very helpful to use this logger to debug database queries that are not behaving as expected. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`

Properties in `commons-logging.properties`: **Loggers** Tab *(continued)*

Property	Description
`com.fatwire.logging.cs.event`	Specifies the log severity for CS event engine messages. Messages written to this logger relate to the invocation of events by CS. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.export`	Specifies the log severity for CS page export engine messages. Messages written to this logger relate to the invocation of events by CS. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.filelock`	Specifies the log severity for file locking messages. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.xcelerate.asset`	Logger for generic asset processing. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.xcelerate.assetmaker`	Logger for assetmaker processing. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.xcelerate.publish`	This logger captures publishing logs. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO` **Note:** `DEBUG` and `TRACE` settings produce a large quantity of logs and can severely impact performance.

Properties in `commons-logging.properties`: **Loggers** Tab *(continued)*

Property	Description
`com.fatwire.logging.cs.xcelerate.template`	Logger for Template, CSElement, and SiteEntry asset processing. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.install`	Specifies the log severity for the CS installer's messages. Messages are only written to this log during installation. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.jsp`	Specifies the log severity for CS `jsp` element debug information. Messages written to this logger relate to the invocation of JSP elements by CS. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.request`	Specifies the log severity for request processing messages. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.satellite`	Generic logger for Satellite Server. Messages logged with this logger pertain to system configuration. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.satellite.cache`	This logger for Satellite Server deals with information relating to the parsing of objects that can be cached, as well as their lifecycle in the cache. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`

Properties in `commons-logging.properties`: **Loggers** Tab *(continued)*

Property	Description
`com.fatwire.logging.cs.satellite.host`	This logger for Satellite Server is dedicated to logging information that relates to communication between Satellite Server and its host Content Server. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.satellite.request`	This logger for Satellite Server is dedicated to logging information that relates to processing requests from the client. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.session`	Specifies the log severity for the Content Server session logger. Messages written to this logger relate to session creation, modification, and access. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.sync`	Specifies the log severity for CS cluster synchronization messages. Messages written to this logger relate to cluster sync behavior of CS. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.time`	Specifies the log severity for CS time and performance debug information. Messages written to this logger include information that can be used to tune the performance of pages and of CS in general. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`

Properties in `commons-logging.properties`: **Loggers** Tab *(continued)*

Property	Description
`com.fatwire.logging.cs.visitor.object`	Logger for tracking the visitor object lifecycle. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.visitor.ruleset`	Logger for rule set compilation. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.xcelerate.advantage.recommendation`	Logger for recommendation processing. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.xcelerate.approval`	Logger for asset approval processing. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.cs.xml`	Specifies the log severity for CS XML element debug information. Messages written to this logger relate to the parsing and evaluation of XML elements. It should be noted that enabling this debug flag will cause CS to use a validating XML parser instead of the default non-validating parser. This can have effects on rendered pages. Consult the documentation for details. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.search.asset`	Logger used by asset-related search. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`

Properties in `commons-logging.properties`: **Loggers** Tab *(continued)*

Property	Description
`org.apache.commons.httpclient.HttpClient`	Top-level logger used by the HttpClient library. For more information, go to: `http://jakarta.apache.org/commons/httpclient/logging.html` **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`org.apache.commons.httpclient.HttpMethodBase`	One of the key loggers for the HttpClient library. This logger is set to log a warning every time a response is read as a String. The warning is well-intended; however, in Content Server, the String data is always read under controlled situations to avoid causing memory overruns. For this reason, this property is set to `ERROR` by default. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `ERROR`
`org.apache.commons.httpclient.wire.content`	Logs the Content part of the HTTP wire-level protocol. The wire log is used to log all data transmitted to and from servers when they execute HTTP requests. This log should be enabled only to debug problems, as it produces an extremely large amount of log data, some of it in binary format. For more information, go to: `http://jakarta.apache.org/commons/httpclient/logging.html` for details. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`

Properties in `commons-logging.properties`: **Loggers** Tab *(continued)*

Property	Description
`org.apache.commons.httpclient.wire.header`	Logs the header part of the HTTP wire-level protocol. The wire log is used to log all data transmitted to and from servers when they execute HTTP requests. This log should be enabled only to debug problems, as it produces an extremely large amount of log data. For more information, go to: `http://jakarta.apache.org/commons/httpclient/logging.html` **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`

commons-logging.properties: Traditional Log Tab

The table below lists properties that are specific to TraditionalLog, the default logger specified in the property `org.apache.commons.logging.Log`. TraditionalLog supports numerous features that other loggers might not support. In your Spark installation, you may choose to use a different logger with your own set of properties.

Properties in `commons-logging.properties`: **Traditional Log** Tab

Property	Description
`logging.file`	Specifies the full path to the log file. It is required and should be set to a different value for each VM to avoid conflicts. **Note:** This value must be specified or logging will fail.
`logging.format`	Specifies the `java.text.SimpleDateFormat` that will be used in timestamps that are written to the log file. Consult the API documentation for `java.text.SimpleDateFormat` for syntax information. If not specified, the default SimpleDateFormat will be used.
`logging.maxlogsize`	Specifies the maximum size of the log file in bytes. Once the log file grows to the size specified, it will either be rolled or deleted. Set it to `-1` to allow the log to grow indefinitely. **Default value:** `10MB`
`logging.per-client-log`	Specifies whether or not a log file will be kept for each distinct IP address requesting data from Content Server. This property allows the use of CatalogManager to retrieve the log file from a web browser. **Possible values:** `true | false`
`logging.roll`	Specifies how many logs will be kept when rolling the log file. Previous versions will be renamed and once all available versions are used, the oldest log will be deleted. Set to 0 to disable rolling of the log file. Set it to a positive integer to specify the number of logs to keep. **Default value:** `0`

Properties in `commons-logging.properties`: **Traditional Log** Tab *(continued)*

Property	Description
`logging.timestamp`	Specifies whether or not the timestamp will be written to the log file for each logging entry. **Possible values:** `true | false` **Default value:** `true`

commons-logging.properties: User Defined Tab

By default, this tab contains the following properties:

Properties in `commons-logging.properties`: **User Defined** Tab

Property	Description
`com.fatwire.logging.cs.firstsite.filter`	Logger for FirstSite II filters. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.ui.model`	This logger is used by the user interface model components. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.ui.phase`	This logger is used by DebugPhaseListener to display the phase of the JSF lifecycle. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.logging.ui.view`	This logger is used by the user interface view components. The intended use of this logger is in debugging user interface components and their lifecycle. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR and FATAL` **Default value:** `INFO`

Properties in `commons-logging.properties`: **User Defined** Tab *(continued)*

Property	Description
`com.fatwire.logging.cs.xcelerate`	Logger for Xcelerate. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR, FATAL` **Default value:** `INFO`
`com.fatwire.search.lucene`	This logger is used by the Lucene integration. **Possible values:** `TRACE, DEBUG, INFO, WARN, ERROR and FATAL` **Default value:** `INFO`

CSPortletRequest.properties

The `CSPortletRequest.properties` file holds portal configuration properties that are set by the Content Server installation program.

The following tab is displayed for the `CSPortletRequest.properties` file:

- User Defined Tab

Caution

Do **not** change the values of any properties on this tab.

CSPortletRequest.properties: User Defined Tab

Properties in `CSPortletRequest.properties`: **User Defined** Tab

Property	Value
`cs.contenttype.UTF-8`	`text/html; charset=UTF-8`
`cs.charset`	`_charset_`
`cs.contenttype`	`text/html; charset=UTF-8`
`cs.disksize`	`102400`

dir.ini

The `dir.ini` file contains properties that are used to configure the directory services options described below.

The `dir.ini` file is the main configuration file for Content Server's Directory Services API. Content Server uses this API to connect to directory servers for authentication/ authorization services and to provide the following options for managing user information (one of the options is configured for your Content Server system):

- The Content Server directory services plug-in, which uses the native Content Server user management tables (`SystemUsers` and `SystemUserAttrs`).
- LDAP plug-ins, which uses the directory server rather than the Content Server database to store user names and attributes.

Properties in `dir.ini` are organized by function on the following tabs:

- Attribute Names Tab
- Compatibility Tab
- Global Data Tab
- Interface Implementations Tab
- JNDI SPI Env. Tab
- Naming Syntax Tab
- Schema Defaults Tab
- Search Controls Tab
- User Defined Tab

Note

Although the `dir.ini` file is the main configuration file for the directory services API, there are additional user manager/directory services properties in another property file, `futuretense.ini`. See "Authentication Tab" on page 52.

dir.ini: Attribute Names Tab

The **Attribute Names** tab holds attribute-mapping properties. You use these properties to specify how a user attribute used by Content Server is identified in the directory server.

Properties in `dir.ini`: **Attribute Names** Tab

Property	Description
`cn`	Specifies the name of the attribute in the directory server that serves as the group name attribute. **Possible values:** • Content Server and NT: `cn` • LDAP, iPlanet: `cn` • LDAP, Active Directory: `cn`
`loginattribute`	Specifies the name of the attribute in the directory server that serves as the user login attribute. **Default value:** `uid`
`password`	Specifies the name of the attribute in the directory server that serves as the password attribute. **Possible values:** • Content Server and NT: `password` • LDAP, iPlanet: `userPassword` • LDAP, Active Directory: `password`
`uniquemember`	Specifies the name of the attribute in the directory server that serves as the group assignment attribute. **Possible values:** • Content Server and NT: `uniquemember` • LDAP, iPlanet: `uniquemember` • LDAP, Active Directory: `member`

Properties in `dir.ini`: **Attribute Names** Tab *(continued)*

Property	Description
`username`	Specifies the name of the attribute in the directory server that serves as the user name attribute. **Possible values:** • Content Server and NT: `username` • LDAP, iPlanet: `uid` • LDAP, Active Directory: `sAMAccount`
`memberof`	Specifies the name of the user attribute that contains information about the user's groups. If a user's membership in a group is specified by the `uniquemember` attribute on the group, leave this property blank. If the group membership of a user is specified by an attribute of the user, specify the name of that attribute here. **Possible values:** • LDAP, WebLogic embedded LDAP: `wlsmemberof` • LDAP, SunONE Identity Server: `memberof`

dir.ini: Compatibility Tab

The **Compatibility** tab holds properties that determine how any strings that are extracted from the directory server and stored in the Content Server database are treated.

Properties in `dir.ini`: **Compatibility** Tab

Property	Description
`cleandns`	Specifies how the strings for distinguished names are stored in the Content Server database. If set to true, the Directory Services API extracts distinguished names from the directory server, and then removes extra spaces from them and then changes all the upper-case letters to lower-case letters before storing the strings in the Content Server database. **Possible values:** `true` | `false` **Default value:** `false` **Note:** Do not set this value to `true` if you are upgrading from an earlier version of Content Server. If you do, you must manually change any existing dns strings that are stored in the Content Server tables. Also, if you set it to `true`, you must also verify that the `syntax.ignorecase` property is also set to `true`.

dir.ini: Global Data Tab

The **Global Data** tab holds properties that determine global values for all users.

Properties in `dir.ini`: **Global Data** Tab

Property	Description
`baseDN`	Specifies the distinguished name for the root to use by default for searches and for prepending to the names for attribute values that require a DN type. **Default value:** blank Do **not** change the value of this property. Because the authentication module sets the `currentUser` session variable to a fully qualified name, Content Server assumes that all names returned from the search are fully qualified.
`groupparent`	Specifies the entry to use as the parent of all Content Server entries of type `Group`. **Possible values:** • Content Server and NT: `ou=groups` • LDAP, iPlanet: `ou=groups,dc=<companyname>,dc=com` • LDAP, Active Directory: `cn=groups,dc=<companyname>,dc=com`
`peopleparent`	Specifies the entry to use as the parent of all Content Server entries of type `User`. **Possible values:** • Content Server and NT: `ou=people` • LDAP, iPlanet: `cn=people,dc=<companyname>,dc=com` • LDAP, Active Directory: `cn=users,dc=<companyname>,dc=com`

dir.ini: Interface Implementations Tab

The **Interface Implementations** tab holds two properties that determine which user manager module your Content Server system is using. The values of the rest of the properties on the tab should never be modified.

Properties in `dir.ini`: **Interface Implementations** Tab

Property	Description
`className.Attribute`	Specifies the name of the concrete class to implement the interface Attribute. Do **not** change the value of this property.
`className.Attributes`	Specifies the name of the concrete class to implement the interface Attributes. Do **not** change the value of this property.
`className.IDir`	With the `className.IName` property, specifies which user manager module your system is using. **Possible values:** • Content Server: `com.openmarket.directory.cs.CSDir` • LDAP: `com.openmarket.directory.jndi.JNDIDir` Do **not** change the value of this property after the installation.
`className.IFactory`	Specifies the name of the concrete class to implement the interface `Ifactory`. Do **not** change the value of this property.
`className.IName`	With the `className.IDir` property, specifies which user manager module your system is using. **Possible values:** • Content Server: `com.openmarket.directory.cs.CSName` • LDAP: `com.openmarket.directory.jndi.NameWrapper` Do **not** change the value of this property after the installation.

Properties in `dir.ini`: **Interface Implementations** Tab *(continued)*

Property	Description
`className.IUserDir`	Specifies the name of the concrete class to implement interface `IUserDir`. **Possible values:** • Content Server: `com.openmarket.directory.cs.CSDir` • LDAP: `com.openmarket.directory.jndi.LDAPUserDir`
`className.JNDIName`	Specifies the name of the concrete class to implement the interface JNDIName. Do **not** change the value of this property.

dir.ini: JNDI SPI Env. Tab

The properties on the **JNDI SPI Env** tab are used only if your Content Server system is configured to use the LDAP user manager module.

Properties in `dir.ini`: **JNDI SPI Env** Tab

Property	Description
`java.naming.factory.initial`	Specifies the initial factory class to use. The value of this property should be the fully qualified class name of the factory class that will create an initial context. Do **not** change the value of this property.
`java.naming.security.authentication`	Specifies the security level to use. Its value is one of the following strings: `none`, `simple`, `strong`. If this property is unspecified, the security level is determined by the service provider. **Default value:** `simple`
`jndi.baseURL`	Specifies the server name and port number of the directory server. The value uses the following format: `ldap://<hostname>:<port>`
`jndi.connectAsUser`	Specifies whether Content Server needs a designated user account to query the directory server for user attribute information. If set to `true`, `jndi.connectAsUser` specifies a Content Server login to the LDAP server. This means that Content Server queries the directory server for information as the user who is logged in to the CS system and is making the inquiry. For example, when an administrator examines user information in the Content Server interface, Content Server makes the inquiry as that user (admin, for example.) If set to `false`, `jndi.connectAsUser` specifies a direct login to the LDAP server. This means there must be a valid username/password combination specified for the `jndi.login` and `jndi.password` properties; Content Server uses that user account to make inquiries.
`jndi.custom`	System property. Do **not** enter a value for this property. Specifies other spi-specific variables to pass into the `javax.naming.context`. Syntax follows x-www-form-urlencoded format.

Properties in `dir.ini`: **JNDI SPI Env** Tab *(continued)*

Property	Description
`jndi.login`	Applies only when `jndi.connectAsUser` is set to `false`. Specifies the fully qualified, fully distinguished name of the user account that Content Server uses to query the directory server.
`jndi.password`	Applies only when `jndi.connectAsUser` is set to `false`. Specifies the password of the user account that Content Server uses to query the directory server. This value is encrypted.
`jndi.poolConnections`	Applies only when `jndi.connectAsUser` is set to `false`. If this property is set to `true`, the system will create a pool of `DirContent` connections. If set to `false`, `jndi.poolsize` is ignored.
`jndi.poolsize`	Indicates the size of the pool. **Default value:** `20` This property is ignored if `jndi.poolConnections` is set to `false`.
`syntax.custom`	Specifies classJNDIName-specific variables to pass into the classIName constructor. Syntax follows x-www-form-urlencoded format.

dir.ini: Naming Syntax Tab

The **Naming Syntax** tab holds properties that determine how strings for user attributes and their values are interpreted.

Properties in `dir.ini`: **Naming Syntax** Tab

Property	Description
`syntax.beginquote`	Specifies the string that delimits the beginning of a quoted string. **Default value:** '
`syntax.beginquote2`	Specifies an alternative to the value specified for the `syntax.beginquote` property.

`syntax.direction`	Specifies the direction in which the components in a designated name are read.
	Possible values:
	`left_to_right`
	`right_to_left`
	`flat`
	Default value: `left_to_right`

`syntax.endquote`	Specifies the string that delimits the end of a quoted string. **Default value:** '
`syntax.endquote2`	Specifies an alternative to the value specified for `syntax.endquote`.
`syntax.escape`	Specifies the escape string for overriding separators, escapes, and quotes. If you are using special characters, such as ‘,’, ‘+’, ‘-’, ‘;’, etc., in DN, you cannot use \ as an escape string. **Default value:** \

Properties in `dir.ini`: **Naming Syntax** Tab *(continued)*

Property	Description
`syntax.ignorecase`	Specifies whether strings are case-sensitive or not. Set to `false` if the uppercase and the lowercase version of a letter character should be considered as different characters. (That is, “admin” and “Admin” should be interpreted as different words.) Set to `true` if you want the uppercase and the lowercase version of a letter character to be considered as the same character. (That is “admin” and “Admin” should be interpreted as the same string.) **Default value:** `true` **Note**: If you need to set the `cleandns` property on the **Compatibility** tab to `true`, you must also set this property’s value to `true`.
`syntax.separator`	Specifies the separator character used between atomic name components. This property is required unless `syntax.direction` is set to a value of `flat`. **Default value:** ,
`syntax.separatorava`	Specifies the separator character used to separate multiple attribute/value pairs. Typically the comma character (,) is used. **Default value:** ,
`syntax.separatortypeval`	Specifies the separator character used to separate an attribute from its value. For example, the equals symbol (=) is used. **Default value:** =
`syntax.trimblanks`	Specifies whether spaces and whitespace characters are significant or should be ignored (trimmed) when evaluating a string. Set to `true` if spaces should be ignored. Set to `false` if spaces should be considered when evaluating a string. **Default value:** `false`

dir.ini: Schema Defaults Tab

The **Schema Defaults** tab holds properties that identify the following entities to Content Server:

- The directory server attributes for which users must have values in order to be valid users
- Attribute values that are assigned to users by default (if any).

Properties in `dir.ini`: **Schema Defaults** Tab

Property	Description
`defaultGroupAttrs`	Specifies the attribute name/value pairs that are set for every descendent of the entry specified by the `groupparent` property. Content Server uses this information to create the default groups that it needs during the installation, which means that this property must be set **before** you install Content Server. Values must be entered in the x-www-form-urlencoded format.
`defaultPeopleAttrs`	Specifies the attribute name/value pairs that are set for every descendent of the entry specified by the `peopleparent` property. Content Server uses this information to create the default users that it needs during the installation, which means that this property must be set **before** you install Content Server. Values must be entered in the x-www-form-urlencoded format.
`defaultReaderACLs`	The ACL list to be assigned to DefaultReader by Login Module. **Default value:** `Browser`
`objectclassGroup`	Specifies the name of the base object that signifies a Content Server group. The `DIR.GROUPMEMBERSHIPS` tag uses the value set for this property to differentiate group entries from user or other entries. **Possible values:** • Content Server: `groupofuniquenames` • LDAP, iPlanet: `groupofuniquenames` • LDAP, Active Directory: `group`

Properties in `dir.ini`: **Schema Defaults** Tab *(continued)*

Property	Description
`objectclassPerson`	Specifies the name of the base object that signifies a Content Server user (person). The `DIR.LISTUSERS` tag uses the value set for this property to differentiate user entries from group or other entries Value for Content Server or LDAP: `person`
`requiredGroupAttrs`	Specifies the attributes that every descendent of the entry specified by the `groupParent` property must have values for. Values must be entered in the x-www-form-urlencoded format.
`requiredPeopleAttrs`	Specifies the attributes that every descendent of the entry specified by the `peopleParent` property must have values for. Values must be entered in the x-www-form-urlencoded format.

dir.ini: Search Controls Tab

The **Search Controls** tab holds properties that constrain the queries that the user manager plug-in makes to the directory server.

Properties in `dir.ini`: **Search Controls** Tab

Property	Description
`search.returnLimit`	Specifies the maximum number of entries to return. To obtain all the entries that satisfy the search criteria, set the value to `0`.
`search.scope`	Specifies to what depth in the hierarchy a search reaches: search just the specified or current node, or search the nodes under that node. **Default value:** `2 (which means search all nodes under the stated node)`
`search.timeoutVal`	Specifies the number of seconds to wait for results before returning an error. A value of `0` means to wait indefinitely (that is, wait until the network timeout limit ends the wait).

dir.ini: User Defined Tab

Properties in `dir.ini:` **User Defined** Tab

Property	Description
Note: This tab, by default, has no properties.	

futuretense.ini

The `futuretense.ini` file is the main property file for Content Server. Its properties are organized by function on the following tabs:

- App Server Tab
- Authentication Tab
- Basic Tab
- Blob Server Tab
- Cluster Tab
- Compatibility Tab
- Content Tables Tab
- Database Tab
- Debug Tab
- Email Tab
- Export/Mirror Tab
- JSP Tab
- Misc Tab
- Page Cache Tab
- ResultSet Cache Tab
- Satellite Server Tab
- Search Tab
- User Defined Tab

futuretense.ini: App Server Tab

The **App Server** tab holds the `futuretense.ini` properties that supply information to Content Server about the application server.

Properties in `futuretense.ini`: **App Server** Tab

Property	Description
`cs.eventhost`	The host string for running the event engine on application servers. Enter the host and port number, as in the following example: `http://localhost:80`
`ft.cgipath`	The web server CGI directory where Content Server objects are installed. Used in the constructions of URLs and form actions. Be sure the value ends with a forward slash (/). **Possible values:** `/NASApp/CS/` – when using the Sun ONE application server (iAS); the path is defined to be the path used when installing Sun ONE. `/servlet/` – in http servlet application environments (such as WebLogic).

futuretense.ini: Authentication Tab

The **Authentication** tab holds user authentication properties that are configured during installation based on the user manager plug-in in use on your Content Server system. Some of these properties apply no matter which user management module you are using while others apply only if you are using NT authentication.

See also, the main configuration file for the user manager plug-ins is the `dir.ini` file. See "dir.ini" on page 36.

Properties in `futuretense.ini`: **Authentication** Tab

Property	Description
`cs.manageACL`	Specifies the class that replaces the default Content Server ACL name-to-privilege mask function. Do **not** change the value of this property.
`cs.manageproperty`	Specifies the name of the appropriate property file that configures the NT authentication plug-in or the LDAP plug-in, depending on whether you are using either of these user manager modules. • For NT, set the value to: `futuretense.ini` • For LDAP, set the value to: `dir.ini`
`cs.manageUser`	Specifies which user manager plug-in to use with this CS system. • If you are using the default Content Server plug-in, the value is blank. • If you are using LDAP, the value is: `com.openmarket.directory.jndi.auth.JNDILogin` • If you are using NT authentication, the value is: `com.FutureTense.NTUserGroups.ValidateLogin.NTUserGroupsLogin` This property was set when your CS system was installed. Do **not** change it after installation.
`cs.manageUserAccess`	Specifies the class that replaces the default Content Server user-to-privilege-by-resource lookup functionality. Do **not** change the value of this property.

Properties in `futuretense.ini`: **Authentication** Tab *(continued)*

Property	Description
`cs.manageUserSystem`	Applies only when your CS system is using NT authentication (that is, `cs.manageUser` points to the NT plug-in). Specifies a comma-separated list of NT domain names that Content Server uses to authenticate users. Authentication is done in the order specified by the list of domains. A user is declared a valid user if his username/password combination is found in any of those domains. Specify the local system with a period (.) character. If the `cs.manageUser` points to the NT plug-in, but there are no domain names set for this property, Content Server attempts authentication on the local NT domain only. This value was set during installation.
`ntlogin.DefaultACL`	NT user manager plug-in only. A comma-separated list of any ACLs that should be assigned to all users by default. By default, this value is blank.
`ntlogin.DefaultReaderACL`	NT user manager plug-in only. The ACL list to be assigned to the account that is used as the default reader account. By default, this value is blank.
`ntlogin.DefaultReaderID`	NT user manager plug-in only. The user name to be used as the default reader account. By default, it is set to `DefaultReader`. This value can be blank.
`ntlogin.DefaultReaderPW`	NT user manager plug-in only. The password for the user name that the NT authentication module uses as the default reader account. Required if there is a value for `ntlogin.DefaultReaderID`. By default, it is set to `SomeReader`. The value is encrypted.

Properties in `futuretense.ini`: **Authentication** Tab *(continued)*

Property	Description
`ntlogin.LogFile`	NT user manager plug-in only. The complete path to the file where debug information from the NT authentication module should be written. (Used only when `ntlogin.Logging` is set to `true`.)
`ntlogin.Logging`	NT user manager plug-in only. Enables or disables debugging for the NT authentication module. **Possible values:** `true` | `false`
`singlesignon`	If set to `true`, enables single sign-on for an authentication plugin that supports it.

futuretense.ini: Basic Tab

The **Basic** tab holds the `futuretense.ini` properties that control such things as security settings, session timeouts, and Global Unique Identifiers that the Content Server servlets use.

Properties in `futuretense.ini`: **Basic** Tab

Property	Description
`bs.security`	Specifies whether the BlobServer servlet checks security before allowing database access and image retrieval. If security is on, images cannot be cached in memory. If you enable BlobServer security, the BlobServer servlet serves the data only if the `csblobid` parameter exists in the URL and its value matches a session variable of the same name, as in the following example: `<IMG SRC="BlobServer?blobtable=MovieImages&blobcol=urlimage&blobkey=id&csblobid=SessionVariables.blobid&blobwhere=25"/>` **Possible values:** `true` | `false`
`cc.security`	Specifies whether Content Server checks security before allowing database access. This property should always be set to `true` except in special cases. **Possible values:** `true` | `false`
`cs.barEqualsSlash`	Specifies whether an Internet Explorer browser should interpret the bar (|) character as a forward slash (/) when it is included in a page name. **Possible values:** `true` | `false` For example, when set to `true`, Internet Explorer interprets `pagename=folder|subfolder|page` as the same page as `pagename=folder/subfolder/page` **Default value:** `false`
`cs.session`	Specifies whether Content Server starts and maintains a browser session for each user. **Possible values:** `true` | `false` Cannot be set to `false` when the `cc.security` property is set to `true`.

Properties in `futuretense.ini`: **Basic** Tab *(continued)*

Property	Description
`cs.timeout`	Specifies the number of seconds a connection can remain idle before the application server logs out this connection, which ends a browser session. Idle time is the time between Content Server http requests. **Default value:** `300 (5 minutes)` **Note:** When the approval system approves assets, it is not a background process. Therefore, if you use the **Approve Multiple Assets** feature, be sure to set this property to a value that is greater than the amount of time it takes to approve a batch of asset so that the browser session does not time out. You will have to experiment with this setting, but you can start by setting it to 1800 seconds (30 minutes).
`cs.uniqueidpoolsize`	Specifies the number of unique and cluster-safe ID numbers that are cached at one time. (Content Server generates unique IDs for every row in any database table.) **Default value:** `100`
`cs.wrapper`	Specifies whether the Content Server HTML wrapper pages should (can) be used. **Default value:** `true` Set this value to `false` on a CS system in which the application server does not have HTTP access to the web server, or, if you have removed the directory that holds the wrapper pages for security reasons. See also the *Content Server Administrator's Guide*.
`ft.version`	Specifies the version number of the Content Server application. Do **not** modify this value.
`secure.CatalogManager`	Specifies whether the DefaultReader user can access the CatalogManager servlet. **Possible values:** `true` | `false` During installation, this property is set to `false`. Be sure that this value is changed to `true` after the installation. For more information, see the *Content Server Administrator's Guide*.

Properties in `futuretense.ini`: **Basic** Tab *(continued)*

Property	Description
`secure.DebugServer`	Controls whether `DefaultReader` can connect to the specified servlet when security is on. If set to `true`, `DefaultReader` cannot connect. **Possible values:** `true` | `false`
`secure.TreeManager`	Specifies whether the DefaultReader user can access the TreeManager servlet. **Default value:** `true` For more information, see the *Content Server Administrator's Guide*.

futuretense.ini: Blob Server Tab

The **BlobServer** tab holds properties that configure the BlobServer servlet. BlobServer serves blobs. It gathers a blob from a table and performs all the necessary security checks. When BlobServer serves a blob, it caches it in both Content Server and Satellite Server.

Properties in `futuretense.ini`: **Blob** Server Tab

Property	Description
`bs.bCacheSize`	Specifies the default number of blobs that can be cached (to memory). **Default value:** `100`
`bs.bCacheTimeout`	Specifies the number of seconds that a blob will remain cached in memory. Note that the memory cache is cleared whenever the `BlobServer` servlet is restarted. This property affects the operation of CacheManager as follows: When compositional dependencies are recorded against a blob in the `SystemItemCache` table, they are configured such that they will be removed from the table after the blob expires from the cache. This prevents excessive growth of the `SystemItemCache` table. However, removing the entry from the table disables CacheManager from removing the corresponding blobs from the Tier 2 cache, and users will view stale data. **Possible values:** negative integer, `0`, positive integer **Default value:** `-1` The blob will remain cached in memory forever, unless it is evicted because more recently used blobs have filled the cache. **Note:** The value of this property affects `cs.manage.expired.blob.inventory` as follows: • A value of `0` or less causes `cs.manage.expired.blob.inventory` to have no effect. • A positive integer with `cs.manage.expired.blob.inventory` set to `true` ensures that CacheManager operates correctly, but at the cost of growth in the `SystemItemCache`table. For more information about `cs.manage.expired.blob.inventory`, see page 82.

Properties in `futuretense.ini`: **Blob** Server Tab *(continued)*

Property	Description
`cs.recordBlobInventory`	Specifies whether compositional dependencies should be recorded against blobs. This property must be set to `true` (the default) for CacheManager to operate on blobs. **Possible values:** `true`|`false` **Default value:** `true`

futuretense.ini: Cluster Tab

The **Cluster** tab holds the properties that Content Server uses to communicate with all the servers in a cluster when a Content Server system is installed in a cluster.

Properties in `futuretense.ini`: **Cluster** Tab

Property	Description
`cc.cacheNoSync`	Specifies whether the system allows the database query transaction data cached by Content Server to persist even if a cluster member updates the table. **Default value:** `false` You can set table-specific values for individual tables by adding a property in the following format: `cc.<sometable>CSync=<true or false>`
`ft.sync`	An identifier or value that defines the synchronizer key for clustered servers; for example, the DSN that cluster members use for their shared database. Each cluster member must have the same `ft.sync` value. When set to `true` or `yes`, sync is enabled and extra asset-level locking is in effect. This mode is intended for clustered editorial systems, as it uses an asset-locking mechanism designed for frequent changes to assets. When set to a value other than `true` or `yes`, sync is enabled but extra asset-level locking is not in effect. This mode is intended for clustered delivery systems, as it enables an asset-locking mechanism designed for infrequent changes to assets. It is valid to leave this field blank; the field should be left blank during the installation. **Note:** You should not turn off `ft.sync` on systems with multiple Java virtual machines. Instead, you can set `cc.cacheNoSync=false`, or you can set a specific table as follows: `cc.<sometable>CSync=false`. For example, `cc.ElementCatalogCSync=false` turns off ft.sync for the `ElementCatalog` table.
`ft.usedisksync`	Specifies a shared file system folder to synchronize data across a cluster. Set this property to a valid folder when synchronization is turned on with the `ft.sync` property. For example, set it to a directory where you have read/write access.

futuretense.ini: Compatibility Tab

The **Compatibility** tab holds properties that set values necessary for backward compatibility with earlier versions of Content Server.

Properties in `futuretense.ini`: **Compatibility** Tab

Property	Descriptions
`cs.cookievariables`	Specifies if cookie variables should be created for servlet request information. For Content Server V5.5 compatibility specify `true`, otherwise specify `false`. Generating cookie variables can confuse page criteria for page requests and only works for outer pages.
`cs.dataindatabase`	Specifies whether large data should be saved in the database or in the file system as an upload column.
`cs.httpvariables`	Specifies whether the Content Server variables that contain HTTP header information are created on each page request, as was necessary in pre-4.0 versions of the product. Starting with 4.0, Content Server provides built-in variables that perform the same function. **Default value:** `false` For best performance, leave this value set to `false`. If developers need to retrieve an http variable for a site page, they can retrieve the value of the ones they need by using the built-in variables.

Properties in `futuretense.ini`: **Compatibility** Tab *(continued)*

Property	Descriptions
`cs.pgcachefolder`	For backward compatibility. In previous versions, when cache information is specified in the `cacheinfo` column for a `SiteCatalog` page entry, it pointed to this property. This property specified the default directory location where Content Server pages would be cached. Starting in version 5.0, Content Server pages are cached in the database, not to a directory. The value in the `cacheinfo` column now starts with a value of `true` or `false`, which determines whether the page is cached or not. For backward compatibility, if the value in the `cacheinfo` column of a SiteCatalog page entry follows the old syntax, the CacheManager caches Content Server pages using the old methodology. Therefore, if the `SiteCatalog` page entries on your system have not yet been updated to use the new syntax (which invokes the new caching behavior), this property must be set to a valid directory.
`cs.satellitehosts`	Specifies the host names of the servers that are hosting Satellite servlets that the CacheManager on this server (the one that hosts Content Server) needs to communicate with. Enter a comma-separated list of host names. The value for each host must include the path to the Content Server servlets. Use the following format: `http://hostname:port/servlet/` You can use https or special ports, if necessary. If required by your configuration, be sure to specify a fully-qualified domain name. The Satellite servlet that resides on this server is listed by default.

Properties in `futuretense.ini`: **Compatibility** Tab *(continued)*

Property	Descriptions
`cs.satellitepassword`	Specifies the passwords for the user accounts specified by the `cs.satelliteusrs` property. Note that the password for the Satellite servlet on this server is listed by default. The value of this property is encrypted as a single string. Therefore, when you edit the value of this property, you must enter all the passwords for all the Satellite servlet hosts, including the comma delimiter. Enter a comma-separated list of passwords in the order that matches the order in which you enter the corresponding users for the `cs.satelliteusers` property. Be sure that the order of this list also matches the order of the list of host names provided for the `cs.satellitehosts` property.
`cs.satelliteusers`	Specifies the user names for the Satellite Server hosts. Note that the user name for the Satellite servlet on this server is listed by default. Enter a comma-separated list of user names in the order that matches the list of passwords that you specified for the `cs.satellitepassword` property.
`cs.selfmodify`	Specifies a comma-separated list of attributes that a user is allowed to modify. Currently, only `password` is supported. For complete backward compatibility, set the property to blank to ensure that the user has write privileges to the `SystemUsers` table.
`cs.xmlHeaderAutoStream`	Tells Content Server whether it should stream the XML header as defined in the property `cs.xmlHeader` as the first content of the response, automatically, or not. If this property is set to `true`, then CS will automatically insert the header into the response. If it is set to `false`, then CS will not do anything. If the response is not a SOAP response, this property is ignored entirely and the header is never inserted. **Default value:** `false` For backward compatibility with CS 6.1 and earlier, set this property to `true`.

Properties in `futuretense.ini`: **Compatibility** Tab *(continued)*

Property	Descriptions
`ft.approot`	**Deprecated**. This property is no longer used. In some cases, it may be required for backward compatibility.
`ft.catalogmanager`	Defines the Global Unique Identifier (GUID) for the CatalogManager service. It is provided for reference only. **Default value:** `{40DD4E30-8DE2-11D1-8599-0080C7D07E91}` Do **not** modify this value.
`ft.contentserver`	Defines the GUID for the Content Server servlet. It is provided for reference only. **Default value:** `{29434AD0-8DE2-11D1-8599-0080C7D07E91}` Do **not** modify this value.
`ft.treemanager`	Defines the GUID for the Treemanager servlet. Do **not** modify this value.
`security.checkpagelets`	Specifies whether Content Server checks security before allowing a user to view a pagelet that is nested in an enclosing page. Note that the `cc.security` property must also be set to `true` for security to be implemented. **Default value:** `true` If set to `false`, the following occurs: • On systems with co-resident Satellite Server, security is not checked on any pages or pagelets, even with `cc.security` set to `true`. • On systems with stand-alone Satellite Server or with Content Server only, security is checked on the first or outermost page but security is not checked on nested pagelets.

futuretense.ini: Content Tables Tab

The **Content Tables** tab holds a property that specifies the default primary key column for all of the content tables (as opposed to object tables) in your Content Server database.

If you or your developers create any content tables to support your online sites, you can specify that a column other than the one specified by the default is the primary key column for those content tables by creating table-specific properties. Use the following format:

```
cc.<name of table>Key=<name of column>
```

For example, when Content Server installs the `Category` table (which is used by basic asset types), it creates a property named `cc.CategoryKey`. The `cc.CategoryKey` property and any new property that you create appears on the **User Defined** tab rather than the **Content Tables** tab.

Caution

Do not change the key value specified for any of the Content Server content tables.

The following table describes the content table property:

Properties in `futuretense.ini`: **Content Tables** Tab

Property	Descriptions
`cc.contentkey`	Specifies the name of the column that serves as the primary key for content tables in the Content Server database. This is a default setting that applies to any content table that does not have a table-specific property that sets a different primary key for it. Value set during installation of the CS content applications: `id` **Caution:** Do **not** change the value of this property. If you change it, the CS content applications will not function. To specify a different primary key for an individual content table, create a table-specific key property as described in the paragraphs preceding this table.

futuretense.ini: Database Tab

The **Database** tab holds the both the general database configuration properties, properties, such as database name and user access properties, as well as vendor-specific properties, such as how the database interprets date/time values.

The database properties must be set to the same values on each of the systems in your Content Server system—development, management, and delivery—so that you can move assets and other work from one system to another.

Note

Database properties are set during the Content Server installation. Do **not** change the values of these properties after Content Server is installed.

If you are unsure about how or why values were determined, check with your database administrator or the individual who installed Content Server.

Properties in `futuretense.ini`: **Database** Tab

Property	Description
`cc.bigint`	Specifies the SQL string for defining a 64-bit integer field. **Possible values:** • Oracle: `NUMBER`(20) • SQL Server: `BIGINT` • DB2: `BIGINT` Do **not** change the value of this property.
`cc.bigtext`	Specifies the SQL string for defining a large text field. **Possible values:** • Oracle: `CLOB` • SQL Server: `TEXT` • DB2: `LONG VARCHAR` Do **not** change the value of this property.
`cc.blob`	Specifies the SQL string for defining a BLOB (binary large object) field. **Possible values:** • Oracle: `BLOB` • SQL Server: `IMAGE` • DB2: `LONG VARCHAR FOR BIT DATA` Do **not** change the value of this property.

Properties in `futuretense.ini`: **Database** Tab *(continued)*

Property	Description
`cc.char`	Specifies the SQL string for defining a CHAR data type. **Possible values:** • Oracle: `CHAR` • SQL Server: `CHAR` • SQL Server, multi-lingual Unicode: `NCHAR` • DB2: `CHAR` Do **not** change the value of this property.
`cc.datepicture`	Specifies how Content Server creates a date/time literal. **Default value:** `{ts '$date'}` Do **not** change the value of this property.
`cc.datetime`	Specifies the SQL string for defining a date/time field. **Possible values:** • Oracle 8: `DATE` • Oracle 9: `TIMESTAMP` • SQL Server: `DATETIME` • DB2: `TIMESTAMP` Do **not** change the value of this property.
`cc.double`	Specifies the SQL string for defining a double field. **Possible values:** • Oracle: `NUMBER(38,10)` • SQL Server: `NUMERIC(28,10)` • DB2: `FLOAT` Do **not** change the value of this property.
`cc.forcelower`	Specifies whether the column names for the tables that Content Server creates have all lowercase letters. **Possible values:** • Oracle: `true` • SQL Server: `false` • DB2: `true` Do **not** change the value of this property.

Properties in `futuretense.ini`: **Database** Tab *(continued)*

Property	Description
`cc.ignoreTblCase`	Determines whether Content Server ignores case when assessing table names. **Possible values:** `yes` | `no` For example, if "tablename" and "TABLENAME" would be considered different tables in your database, set this value to `no`. **Possible values:** • Oracle: `yes` • SQL Server: `yes` • DB2: `yes` Do **not** change the value of this property.
`cc.integer`	Specifies the SQL string for defining a 32-bit integer field. **Possible values:** • Oracle: `NUMBER(10)` • SQL Server: `INT` • DB2: `INTEGER` Do **not** change the value of this property.
`cc.maxvarcharsize`	Specifies the maximum size of a varchar column for your database. **Possible values:** • Oracle: `2000` • SQL Server: `8000` • DB2: `4000` Do **not** change the value of this property.
`cc.null`	Specifies the SQL string for defining a field which allows NULL values; this is nonstandard, though most databases support NULL. **Possible values:** • Oracle: `NULL` • SQL Server: `NULL` • DB2: blank Do **not** change the value of this property.

Properties in `futuretense.ini`: **Database** Tab *(continued)*

Property	Description
`cc.numeric`	Specifies the SQL string for defining a numeric field. **Possible values:** • Oracle: `NUMBER` • SQL Server: `NUMERIC` • DB2: `NUMERIC` Do **not** change the value of this property.
`cc.primary`	Specifies the SQL string that defines a primary key. **Possible values:** • Oracle: `PRIMARY KEY NOT NULL` • SQL Server: `PRIMARY KEY NOT NULL` • DB2: `PRIMARY KEY NOT NULL` Do **not** change the value of this property.
`cc.queryablemaxvarcharlength`	Specifies the maximum size of a `varchar` column that can be queried based on the database driver in use. • Oracle Thin: `255` • Oracle TypeII: `2000` • SQL Server: `255` • DB2: `255`
`cc.rename`	Specifies the SQL string that renames a table in the database, as required by your database vendor. **Possible values:** • Oracle: `rename %1 to %2` • SQL Server: `execute sp_rename %1,%2` • DB2: `rename %1 to %2` Do **not** change the value of this property.
`cc.smallint`	Specifies the SQL string for defining a 16-bit integer field. **Possible values:** • Oracle: `NUMBER(5)` • SQL Server: `SMALLINT` • DB2: `SMALLINT` Do **not** change the value of this property.

Properties in `futuretense.ini`: **Database** Tab *(continued)*

Property	Description
`cc.stringpicture`	Specifies how Content Server creates a string literal. **Possible values:** • Oracle: `'$string'` • SQL Server: `'$string'` • SQL Server, multi-lingual Unicode: `N '$string'` • DB2: `'$string'` Do **not** change the value of this property.
`cc.unique`	Specifies the SQL string for defining a unique field. **Possible values:** • Oracle: `UNIQUE NOT NULL` • SQL Server: `UNIQUE NOT NULL` • DB2: `UNIQUE NOT NULL` Do **not** change the value of this property.
`cc.varchar`	Specifies the SQL string for defining a VARCHAR data type. **Possible values:** `VARCHAR`, for all supported databases except SQL Server, multi-lingual Unicode which is set to `NVARCHAR` Do **not** change the value of this property.
`cs.dbconnpicture`	Specifies the format of the database connection string used by JNDI datasources: • WebLogic 6.1: `$dsn` • SunOne: `jdbc/$dsn` • WebSphere 4.0: `$dsn` Do **not** change the value of this property.
`cs.dbtype`	Defines the type of database you are connecting to. Do **not** change the value of this property.
`cs.dsn`	Contains the database JNDI data source name for connecting to your database. Do **not** change the value of this property.

Properties in `futuretense.ini`: **Database** Tab *(continued)*

Property	Description
`cs.privpassword`	Specifies the password for the database account name used for read/write access (`cs.privuser`). The value is encrypted.
`cs.privuser`	Specifies the database account name to use for read/write access to the database. For security reasons, be sure that your system is not using the default user name/password combination. **Default value:** `ftuser (set during installation)`

futuretense.ini: Debug Tab

The **Debug** tab holds the properties that enable various kinds of Content Server debug logging (and one property for the DebugServer servlet). When the `ft.debug` property is set to `yes`, the ContentServer servlet writes various error and status messages to the `futuretense.txt` file, located in the Content Server installation directory.

If you enable debug logging, note the following:

- Delete or archive the `futuretense.txt` file frequently because a large log file can affect Content Server performance.
- Because enabling any of the debug logging options can affect performance, you should not enable these options on a management or delivery system that is live.
- By default, all debug log messages go into a single log file, which can make debugging more difficult. To put debug messages into a separate log file, set the **`logging.per-client-log`** property to `true`, which enables browser-based debugging. When this property is set to `true`, Content Server creates a log file for each browser IP address. Each file is stored in the same directory as the `futuretense.txt` file and is created according to the following naming convention: `futuretense.IPaddress.txt`.

  You can then use the `exportlog` argument of the `CATALOGMANAGER` tag to retrieve the log file for the IP address of the browser that you are using.

Properties in `futuretense.ini`: **Debug** Tab

Property	Description
`ft.debugport`	Specifies the port that DebugServer uses to communicate with the template debugger utility. The port number must be greater than 1024. **Default value:** `1025`
`ft.suppressPasswords`	Prevents any input or session variables containing the strings "`password`" or "`PASSWORD`" in their names from being logged. **Default value:** `true` Specify `false` to include passwords in the log.
`ft.suppressPasswordNames`	Specifies variable names that are used as passwords and should be suppressed when `ft.suppressPasswords` is set to `true`. The Cheetah installer now sets this property to: `REMOTEPASS;pubtgt:factors;factors` to suppress its mirror publish target passwords in the log.

futuretense.ini: Email Tab

The **Email** tab holds the properties that configure the Content Server e-mail system features. Note that in `futuretense_xcel.ini`, an additional property on the **Preference** tab enables the Content Server workflow e-mail system to send notices to workflow participants when they are assigned assets through a workflow process.

Properties in `futuretense.ini`: **Email** Tab

Property	Description
`cs.emailaccount`	Specifies the user account name to be used for sending outgoing mail. This is the account name on the SMTP server. If SMTP authentication is required, you must set a value for this property.
`cs.emailauthenticator`	Specifies the class that is used as the authenticator for mail operations. **Default value:** `Default value:` `com.openmarket.framework.mail.ICSAuthenticator`
`cs.emailcharset`	Specifies the default character set that is used for the text in the subject of an e-mail message. Examples: • Latin1: `text/html; charset=ISO-8859-1` • Japanese (Shift_JIS): `text/html; charset=Shift_JIS` • UTF-8: `text/html; charset=UTF-8` If this is blank, there is no default value.
`cs.emailcontenttype`	Specifies the default character set that is used for the text in the body of an e-mail message. Examples: • Latin1: `text/html; charset=ISO-8859-1` • Japanese (Shift_JIS): `text/html; charset=Shift_JIS` • UTF-8: `text/html; charset=UTF-8` If this is blank, it reverts to the default `text/plain`
`cs.emailhost`	Defines the SMTP (e-mail server) host that is used by the ContentServer servlet to create and deliver e-mail messages. A valid value is required to send or receive mail.

Properties in `futuretense.ini`: **Email** Tab *(continued)*

Property	Description
`cs.emailpassword`	Specifies the password for the e-mail account used by Content Server (specified by `cs.emailaccount`). A valid value is required to receive mail.

`cs.emailreturnto`	Specifies the e-mail address from which mail is sent. That is, the e-mail address that appears in the From field of an e-mail message.
	Use one of the following formats:
	`user@domain.com`
	`Full Name <user@domain.com>`
	A valid value is required to send mail.

futuretense.ini: Export/Mirror Tab

The **Export/Mirror** tab holds the properties that configure the Content Server Export and Mirror APIs that are used by the Content Server publishing system. These properties work in conjunction with the properties located on the **Publishing** tab in the `futuretense_xcel.ini` file, which is described in the "CS-Direct Property Files" section.

When configuring the publishing operations for your Content Server systems, think of your individual systems (development, management, delivery) in the following terms:

- **Source**, which denotes the Content Server database that is the source for a publishing session. Because you can mirror assets and site configuration information from any Content Server system to any other Content Server system, the source is not necessarily the Content Server management system.
- **Target**, which denotes either the Content Server database that you are mirroring to or the file server that you are exporting to.

For more information about publishing, see the *Content Server Administrator's Guide*

Properties in `futuretense.ini`: **Export/Mirror** Tab

Property	Description
`cs.mirrorhttpversion`	Specifies the HTTP protocol version to use to communicate with the Content Server target databases. **Default value:** `1`
`cs.mirrorpassword`	Specifies the password for the mirror user on the target systems to which this system publishes. You set this value when you set up your CS system for publishing. For information, see the *Content Server Administrator's Guide*.
`cs.mirrorproxyserver`	Specifies the firewall server's IP address or name for the target system that this (source) system publishes to when the target and the source are separated by a firewall. You set this value when you set up your CS system for publishing. **Possible values:** `your_server_name` or `your_server_ip_address` For information, see the *Content Server Administrator's Guide*.

Properties in `futuretense.ini`: **Export/Mirror** Tab *(continued)*

Property	Description
`cs.mirrorproxyserverport`	Specifies the port number of the firewall server for the CS system that this system publishes to when the target system is separated from the source with a firewall. You set this value when you set up your CS system for publishing. **Possible values:** `port_number` For information, see the *Content Server Administrator's Guide*.
`cs.mirrorrowsperpost`	Specifies the number of table rows that can be mirrored during each HTTP POST during a mirror operation If you are mirroring data that contains URL fields, you should set this to a low number because web servers impose a limit on the size of post packets. If you are mirroring data that contains only text, you can set this to a higher number. **Default value:** `6` **Note:** For best performance, do not increase the value above 12. If your database is configured for UTF-8 and holds non-ASCII content, you must set this value to 4 or lower.
`cs.mirrorthreads`	Specifies the number of threads to allocate to a mirror operation. **Default value:** `2` **Note:** For best performance, do not increase the value above 8.
`cs.mirroruser`	Specifies the name of the mirror user on the target system that this (source) system publishes to. You set this value when you set up your system for publishing. For information, see the *Content Server Administrator's Guide.*
`cs.pgexportfolder`	Specifies the base export directory for the HTML files that are created when assets are published with the Export to Disk delivery type. • Windows NT example: `c:/FutureTense/export` • Solaris example: `/export/home/FutureTense/pgexport`

futuretense.ini: JSP Tab

The **JSP** tab holds the properties that supply information that Content Server references when serving Java Server Pages files. If your Content Server system uses WebLogic, note that there are additional, WebLogic-only, JSP properties in the `jsprefresh.ini` file. See "jsprefresh.ini (Deprecated)" on page 135.

Properties in `futuretense.ini`: **JSP** Tab

Property	Description
`cs.jspclear`	Configures the Content Server engine to delete any previously deployed JSP files and clear the application server's working folder (temp and class files) when the Content Server engine executes the first JSP deployed by Content Server. The working folder is defined by the application server. **Possible values:** `true | false`
`cs.jsppath`	Specifies the virtual root (zone) for executing deployed JSP pages. This property is used in conjunction with `cs.jsproot`, so the two properties must be in sync. **Default value:** `synchronized with the WebLogic setting for cs.jsproot and is set at installation.` **Note:** Do not change the value of this property after installation.
`cs.jsprefresh`	When the Content Server engine deploys a new or changed JSP element, the application server may require special processing to complete the deployment of the JSP. In those cases, this property specifies the name of the class which completes the deployment. In other cases, it is left blank. For WebLogic 6.1, the default value is `com.divine.wl6special`. For others, the default is blank.
`cs.jspresponsewrapper`	Specifies whether the application server requires the PrintWriter when it runs a JSP element. The Content Server installation sets this to an appropriate value based on the type of application server you are using. Do **not** change the value of this property.

Properties in `futuretense.ini`: **JSP** Tab *(continued)*

Property	Description
`cs.jsproot`	Specifies the directory where the application server expects to find JSP files. Some application servers allow this value to be modified by using property settings. WebLogic defines `weblogic.httpd.initArgs` for its JSPServlet object. The `cs.jsproot` property is used in conjunction with `cs.jsppath`, so the two must be in sync and both are set at installation. Do **not** change the value of this property after installation.
`cs.jspwork`	Specifies the directory where class files are created by the application server when executing JSP pages. This is not a required property and can be left blank, but it is normally set at installation. For more information, see `cs.jspclear`.
`cs.use.short.jsp.names`	Some file systems impose a limit on the length of absolute paths. Using long JSP names on such file systems can result in file system errors. If you are using such a file system, set this property to `true` to use shortened JSP names. When set to `false`, the JSP name will correspond to the element name. This property is set automatically by the CS installer and it should only be changed when absolutely necessary. **Default value:** `false`

futuretense.ini: Misc Tab

The **Misc** tab holds miscellaneous properties such as the amount of idle time a connection can have before Content Server logs out of a connection and whether Content Server loads cache synchronization processing.

Properties in `futuretense.ini`: **Misc Tab**

Property	Description
`cs.charset`	Specifies a variable that can be included in HTML forms as a hidden variable. The variable, which gets set by the browser, specifies the text encoding of the form data that Content Server must process. **Default value:** `_charset_` Do **not** change the value of this property.
`cs.contenttype`	Specifies the default character set to use for HTTP headers (streaming text). **Default value:** `text/html; charset=UTF-8` Specify a value that is appropriate for the online site that your CS system is delivering. Examples: • Latin1: `text/html; charset=ISO-8859-1` • Japanese (Shift_JIS): `text/html; charset=Shift_JIS`
`cs.disksize`	Specifies the size limit in bytes for keeping uploaded files in memory while they are being posted. If an uploaded file is larger than the value specified, Content Server streams it to a temporary file until it is finished evaluating a page. This prevents excessive memory use and helps to prevent denial-of-service attacks. **Default value:** `102400`
`cs.documentation`	Specifies the URL of the CS documentation. By default, this property is set to a FatWire documentation web site. If you prefer, you can download the most recent documentation kit from that web site, install it somewhere on your network, and then set this property to point to that location rather than to the FatWire documentation web site.

Properties in `futuretense.ini`: **Misc Tab** *(continued)*

Property	Description

`cs.HTTP_HOST`	Specifies the HTTP host for CS systems on which the Web server does not reside on the application server machine (that is, it is a web connector installation), or in cases where an alternative web server is used to serve pages.
	Use one of the following formats:
	`<hostname>:<port>`
	`<IPaddress>:<port>`
	Default value: blank

`cs.HTTP_PROTOCOL`	Specifies the HTTP protocol for CS systems where the web server does not reside on the application server machine (that is, it is a web connector installation), or in cases where an alternative web server is used to serve pages. **Possible values:** `http` or `https` or blank **Default value:** blank, which means the protocol is assumed to be http
`cs.urlfilerollup`	Determines how changes to the files for URL columns are tracked. When this value is set to `true`, the previous versions of the related file are tracked in a name sequence. For example, if a file called `filename.txt` has been edited three times, `filename.txt` is the oldest, `filename,1.txt` is the next oldest version, and `fsilename,2.txt` is the current version. When this value is set to `false`, the file name toggles between `filename.txt` and `filename,0.txt` on alternate updates. **Default value:** `false` for WebLogic 7.1 `true` for WebLogic 6.1
`cs.xmlfolder`	Specifies the working directory for HTML filtering. That is, if elements on your system use the `XMLFILTER` tag, temporary files are written to this directory. **Default value:** `$HOME/FutureTense/xmltemp`
`cs.xmlHeader`	This is the XML Header streamed out for SOAP responses.

futuretense.ini: Page Cache Tab

The **Page Cache** tab holds the properties that configure Content Server's page cache settings. Content Server's page cache is monitored and maintained by the CacheManager. Content Server caching enables you to cache both complete web pages and their individual components (or pagelets).

To set up page caching on a Content Server system, you configure properties for the CacheManager and the Satellite Server servlets. In addition, there are properties for configuring BlobServer, the servlet that serves blobs and caches blobs both through Content Server and the Satellite servlet.

For more information:

- Page caching – see the page caching chapter in the *Content Server Developer's Guide*. This chapter describes how Content Server's Cache Manager, the Satellite servlets, and the BlobServer servlet interact and work together.
- Satellite Server properties – see "Satellite Server Tab" on page 89 and "satellite.properties" on page 141.
- Resultset caching properties – see "ResultSet Cache Tab" on page 85.
- BlobServer properties – see "Blob Server Tab" on page 58.

Properties in `futuretense.ini`: **Page Cache** Tab

Property	Description
`cs.alwaysusedisk`	Specifies the default cache setting for page entries in the `SiteCatalog` table that have no information in their `cacheinfo` column. If set to `yes`, then each page served from Content Server is cached to disk (the database), unless the value in that page entry's `cacheinfo` column specifies that it not be cached. **Default value:** `no`
`cs.expireonly`	Controls how outdated pages are expunged from the cache. When set to `false`, pages that need to be expunged from the cache are deleted immediately and synchronously, that is, the user must wait until all pages are deleted. When set to `true`, pages that need to be expunged from the cache are marked for deletion, taken out of service, and then deleted at a later time by a cache cleanup event. **Default value:** `false` **Possible values:** `true,false`

Properties in `futuretense.ini`: **Page Cache** Tab *(continued)*

Property	Description
`cs.freezeCache`	Specifies whether a cache maintenance event should regularly remove expired pages from the cache, or whether the expiration date of a page should be checked only when that page is requested. Set the value to `yes` if you do not want an event to regularly remove expired pages from the cache. **Default value:** `no`
`cs.IItemList`	Defines the file that is used for the `ItemList` interface that is used by the Cache Manager. The `IItemList` interface is used to record compositional dependencies in the page cache. When this property is set to a legal class, dependency items will be recorded against a page id in the `SystemItemCache` table. This enables CacheManager. An illegal value results in CacheManager having no effect. **Default value:** `COM.FutureTense.Export.ItemList` **Note:** The default value is provided for reference only. Do **not** change the value of this property.
`cs.manage.expired.blob.inventory`	Controls whether the `CacheServer` servlet removes blobkey/compositional dependency mappings from the `SystemItemCache` table after the blobs expire from the local blobserver cache. (The `CacheServer` servlet is typically invoked every five minutes by the event engine.) **Possible values:** `true`|`false` • `true` disables the `CacheServer` servlet from removing blobkey/compositional dependency mappings from the `SystemItemCache` table when the blobs expire. • `false` enables the `CacheServer` servlet to remove expired blob references from the `SystemItemCache` table when the blobs expire. **Default value:** `false` (to support backward compatibility) **Note:** How this property takes effect depends on the value of the `bs.bCacheTimeout` property. (See page 58.)

Properties in `futuretense.ini`: **Page Cache** Tab *(continued)*

Property	Description
`cs.nocache`	Provides you with the ability to disable all disk-based page caching (pages will still be cached in memory). Use this property to temporarily shut down page caching when you are debugging your site, but do not leave this value set to `true` on a live system. **Default value:** `false`
`cs.pgCacheTimeout`	Specifies the number of minutes that a page will exist in the page cache. A value of `0` (zero) disables timeout, which means pages never expire. However, no matter what the setting for this property, CacheManager refreshes a cached page if the publishing system reports that it published any of the assets on that page. **Note:** For CacheManager to work properly, this property must be set to `0`. Otherwise, pages will expire, making it impossible for CacheManager to remove the corresponding entries from the Satellite Server cache, and users will view stale data. **Default value:** `0`
`cs.recordBlobInventory`	Allows users to work with blob dependencies. To record blobs inventory, set the value of this property to `true`. If full backward compatibility with V5.0 is desired, set the value of this property to `false`.
`cs.requiresessioncookies`	Specifies whether session ID information can be held in cookies or whether Content Server must encode session data into the links. Set to `true` (the default) if Content Server expects session cookies to be enabled. This allows all pages to be cached and does not encode the session id into any links. A value of `false` enables URL rewriting, with a negative effect on page caching performance. **Default value:** `true`
`cc.SystemPageCacheTimeout`	Specifies the number of minutes a cached page is held in memory (cached pages are cached both to disk and to memory). **Default value:** `1440` (that is, 24 hours)

Properties in `futuretense.ini`: **Page Cache** Tab *(continued)*

Property	Description
`cc.SystemPageCacheCSz`	Specifies the maximum number of pages that can be cached in memory. Pages are cached both in memory and to disk (database). This property specifies the number of pages cached to memory, not to disk. **Default value:** `500`
`ss.flushall`	Controls how Satellite Server cache is flushed. When set to `false` (default), only outdated pagelets are flushed from the Satellite Server cache. When set to `true`, the Satellite Server cache is flushed completely. **Default value:** `false` **Possible values:** `true,false`

futuretense.ini: ResultSet Cache Tab

The lowest level of cache support is database query, or resultset, caching. The **ResultSet Cache** tab holds properties that configure Content Server's resultset caching. For information about resultset caching and queries on your Content Server system, see the "Data Design" section in the *Content Server Developer's Guide*.

The three main resultset caching properties are `cc.cacheResults`, `cc.cacheResultsTimeout`, and `cc.CachResultsAbs`. They specify the default number of resultsets to cache in memory, the default amount of time to keep resultsets cached in memory, and how to calculate the expiration time.

The default values specified for these properties are used to determine how to cache the resultsets of any table in the Content Server database that does not have table-specific resultset caching properties for it.

You can create three resultset caching properties for each table in the Content Server database. Use the following syntax:

```
cc.<tablename>Csz=<number of resultsets>
cc.<tablename>Timeout=<number of minutes>
cc.<tablename>Abs=<true or false>
```

You can create as many table-specific resultset caching properties as are needed to implement your resultset caching strategy for each of your Content Server systems (which means that the values for these properties are different on each system).

Most of the Content Server system tables have table-specific resultset caching properties set for them by default. These properties are displayed on the **ResultSet Cache** tab. However, when you create new table-specific resultset caching properties, they are displayed on the **User Defined** tab.

For information about page caching properties, see "Page Cache Tab" on page 81. For information about BlobServer caching properties, see "Blob Server Tab" on page 58.

The following table describes the properties that appear on the **ResultSet Cache** tab.

Properties in `futuretense.ini`: **ResultSet Cache** Tab

Property	Description
`cc.cacheResults`	Specifies the default number of resultsets to cache in memory. Note that this does not mean the number of records in a resultset, but the number of resultsets. Setting this value to `0` or `-1` disables resultset caching for all tables that do not have their own caching properties configured. **Caution:** Do **not** set this value to `0` or `-1`. If you do, the Content Server interface will fail to save assets properly. **Possible values:** `<n>` (number of resultsets) **Default value:** `500` To set a different value for a specific table, create a property for that table using the following format: `cc.<tablename>Csz=<number of resultsets>`
`cc.cacheResultsAbs`	Determines how to calculate the expiration time for the resultsets in the resultset cache. If the value is set to `true`, the expiration time for a resultset is absolute. For example, if `cc.cacheResultsTimeout` is set to 5 minutes, then 5 minutes after the resultset was cached, it is flushed form the cache. If the value is set to `false`, the expiration time for a resultset is based on its idle time. For example, if `cc.cacheResultsTimeout` is set to 5 minutes, the resultset is flushed from the cache 5 minutes after the last time it was requested rather than 5 minutes since it was originally cached. To set this value for a specific table, create a property for that table using the following format: `cc.<tablename>Abs=<true or false>`

Properties in `futuretense.ini`: **ResultSet Cache** Tab *(continued)*

Property	Description
`cc.cacheResultsTimeout`	Specifies the number of minutes to keep a resultset cached in memory. Setting this value to `-1` means that there is no timeout value for tables that do not have their own caching properties configured. **Possible values:** `<n>` (in minutes), or `-1` to disable for tables that use this default setting. **Default value:** `5` To set this value for a specific table, create a property for that table using the following format: `cc.<tablename>Timeout=<number of minutes>`
`cc.ElementCatalogCSz`	Specifies the number of resultsets to cache against the `ElementCatalog` table. For best performance this value should be set to the number of rows in the table. **Default value:** `1000`
`cc.ElementCatalogTimeout`	Specifies the number of minutes to keep idle resultsets for the `ElementCatalog` table in the resultset cache. Use -1 to disable timeout. **Default value:** `60`
`cc.SiteCatalogCSz`	Specifies the number of resultsets to cache against the `SiteCatalog` table. For best performance, this value should be set to the number of rows in the table. **Default value:** `1000`
`cc.SiteCatalogTimeout`	Specifies the number of minutes to keep idle resultsets for the `SiteCatalog` table in the resultset cache. Use -1 to disable timeout. **Default value:** `60`
`cc.SystemACLCSz`	Specifies the number of resultsets to cache against the `SystemACL` table. For best performance, this value should be proportional to the number of rows in the table. **Default value:** `25`

Properties in `futuretense.ini`: **ResultSet Cache** Tab *(continued)*

Property	Description
`cc.SystemACLTimeout`	Specifies the number of minutes to keep idle resultsets for the `SystemACL` table in the resultset cache. **Default value:** `-1` (which disables timeout for this table)
`cc.SystemInfoCSz`	Specifies the number of resultsets to cache against the `SystemInfo` table. For best performance, this value should be set to the number of rows in the table. **Default value:** `500`
`cc.SystemInfoTimeout`	Specifies the number of minutes to keep idle resultsets for the `SystemInfo` table in the resultset cache. **Default value:** `-1` (which disables timeout for this table)
`cc.SystemUsersCSz`	Specifies the number of resultsets to cache against the `SystemUsers` table. For best performance, this value should be proportional to the number of rows in the table. **Default value:** `100`
`cc.SystemUsersTimeout`	Specifies the number of minutes to keep idle resultsets for the `SystemUsers` table in the resultset cache. **Default value:** `-1` (which disables timeout for this table)
`ft.filecheck`	Specifies whether Content Server verifies the timestamp on data held in an upload field each time an item (like an element) with uploaded data is requested. On a management or delivery system, the same items are requested repeatedly and setting this value set to yes can slow the performance of the system. Set this property to `no` on management or delivery systems. You can set it to `yes` on a development system. **Default value:** `no`

futuretense.ini: Satellite Server Tab

The **Satellite Server** tab holds properties that describe how to communicate with any of the Satellite servlets (Satellite Server), whether they are running locally or on remote servers.

Additionally, because Satellite Server is installed by default on the server that hosts your Content Server application, each Content Server system also has a `satellite.properties` file that configures the local Satellite servlet. (Note that when Satellite Server is also running on a remote server, that server also has a `satellite.properties` file.) For information about the properties in that file, see "satellite.properties" on page 141.

The following table describes the properties on the server that hosts Content Server that support communications with all Satellite servlets.

The value for each property is a comma-separated list. The ordinal position of an item in the list is what associates the host, user name, and password for each Satellite servlet. For example, the third host named in `cs.satellitehosts` is accessed using the third user account named in `cs.satelliteusers`, giving the third password listed in `cs.satellitepassword`.

Properties in `futuretense.ini`: **Satellite Server** Tab

Property	Description
`cs.PastramiEngine`	Defines the name of the implementing class of the PastramiEngine interface. Leave this property null to disable this feature entirely. The standard value for this property is: `com.divine.pastrami.PushEngine`
`satellite.blob.cache control.default`	Specifies a default value for the `cachecontrol` parameter for the `satellite.blob`, and `RENDER.SATELLITEBLOB` tags and their JSP equivalents. **Default value:** blank Set this property to a value that is appropriate for the majority of your blobs, and then use the `cachecontrol` parameter with the `satellite.blob` and `RENDER.SATELLITEBLOB` tags to override this value for individual blobs. Use the following format to set a value: `hours:minutes:seconds daysOfWeek/ daysOfMonth/months` For more information about this format, see the description of the `expiration` property in the section "satellite.properties" on page 141.

Properties in `futuretense.ini`: **Satellite Server** Tab *(continued)*

Property	Description
`satellite.page.cache control.default`	**Deprecated**. Specifies a default value for the `cachecontrol` parameter for the `satellite.page`, and `RENDER.SATELLITEPAGE` tags and their JSP equivalents. **Default value:** blank Set this property to a value that is appropriate for the majority of your pages and pagelets, and then use the `cachecontrol` parameter with the `satellite.page` and `RENDER.SATELLITEPAGE` tags to override this value for individual pages and pagelets. Use the following format to set a value: `<hours>:<minutes>:<seconds> <daysOfWeek>/<daysOfMonth>/<months>` For more information about this format, see the description of the `expiration` property in the section "satellite.properties" on page 141.

futuretense.ini: Search Tab

The **Search** tab holds properties that Content Server uses to obtain configuration information about your third-party search engine, if your Content Server system uses one. If your organization purchased one of the search engine modules, it was installed when your Content Server system was installed.

Note

The **Search** tab displays properties for all supported third-party search engine modules. In this section, the properties are organized by search engine.

Properties in `futuretense.ini`: **Search** Tab

Property	Description
`av.cjkquery`	**Deprecated**. Specifies whether AltaVista must handle queries that use Chinese, Japanese, or Korean characters. **Default value:** `no` Set to `yes` if your CS system is localized for Chinese, Japanese, or Korean.
`av.defaultindex`	**Deprecated**. Specifies the AltaVista search index to open if none is specified as an XML parameter.
`av.license`	**Deprecated**. Specifies an explicit license value. This property exists only if you have obtained your own license for the AltaVista search engine. It replaces `av.oemkeytype`.
`av.oemkeytype`	**Deprecated**. Specifies one of the two embedded keys: For a management system, set this value to `management` to allow up to 5 million entries. You are not authorized to use this value on a delivery site where there is public access. For a delivery system, set this value to `delivery` to allow up to 250,000 entries. If you need more entries, you must obtain a specific license from AltaVista and use the `av.license` property instead of this one.

Properties in `futuretense.ini`: **Search** Tab *(continued)*

Property	Description
`cs.searchengine`	Specifies the search engine. Set this property to `AV` (valid for Content Server upgrades) or to `verity`. **Default value:** `verity`
`searcheng.apidebug`	Controls whether search engine API calls should be logged and their returned values recorded. **Possible values:** `yes` | `no`
`searcheng.debug`	Controls whether debugging for the search engine connector implementation should be turned on or off. **Possible values:** `yes` | `no`
`searcheng.enginedebug`	Controls whether debugging in the third party search engine implementation is on or off. **Possible values:** `yes` | `no`
`searcheng.keeptemps`	Controls whether temporary files used by the search engine implementation are kept or not. **Possible values:** `yes` | `no`
`searcheng.querydebug`	Determines if the constructed query is written to the log before making the search. **Possible values:** `yes` | `no`
`searcheng.regdebug`	Controls whether failed search engine registration attempts should be logged. **Possible values:** `yes` | `no`
`searcheng.usedebugse`	If `debugse` is installed, controls whether all search engine interface calls/returns are logged. **Possible values:** `yes` | `no`
`verity.charset`	Specifies the name of the locale to use for all internal Verity engine operations. This property corresponds to a subdirectory of the common directory where the locale is defined. The property is optional.
`verity.debug`	Controls whether the Verity Search Engine should put debug messages into the log file. **Possible values:** `yes` | `no`

Properties in `futuretense.ini`: **Search** Tab *(continued)*

Property	Description
`verity.defaultindex`	The Verity search index to open if none is specified as an XML or Java parameter.
`verity.defaultparser`	Specifies the default parser. **Possible values:** • `Simple` • `FreeText` • `BoolPlus`
`verity.indexinginterval`	Specifies the time interval in milliseconds between each background mkvdk index process provided by Verity, Inc. As background indexing uses a large amount of memory and CPU, it is best to allow the front-end Content Server interfaces a chance to render. The bigger the interval, the faster is interface rendering, but the longer it takes for a search to be updated. **Note:** This property is used only when the `verity.syncindexing` property is set to `no`. **Default value:** `10,000`
`verity.knowledgebasepath`	The path to the Verity topic that is used for queries. This property is optional.
`verity.locale`	Specifies the name of the locale to use for all internal Verity engine operations. This field corresponds to a subdirectory of the common directory where the locale is defined. This field is optional.
`verity.organization`	The organization specified in your Verity Information Server License Key. This property is case-sensitive and space-sensitive.
`verity.path`	The path to the Verity Information Server directory.
`verity.signature`	The signature text as specified in your Verity License Key. This property is case- and space-sensitive.

Properties in `futuretense.ini`: **Search** Tab *(continued)*

Property	Description
`verity.syncindexing`	Specifies whether the Verity search engine is to process indexes synchronously. If processing is not synchronous, the index process runs asynchronously in the background so that performance can be improved. In the current version, this property applies only to flex assets; basic assets always use synchronous indexing. **Possible values:** `yes, no` **Default value:** `yes`

`verity.templatepath`	The path of the Verity vdktemplate directory. This is a subdirectory of the FutureTense directory.
	For example,
	In Windows NT:
	`C:\FutureTense\vdktemplate`
	In Solaris:
	`/export/home/FutureTense/vdktemplate`

futuretense.ini: User Defined Tab

The **User Defined** tab displays custom properties, which are not created by the core Content Server product but are used by Content Server and its CS content applications.

This tab displays the following kinds of properties:

- Two custom properties for the sample site, if the Content Server portal sample site is installed.
- A custom property that specifies the version number of each CS content application that is installed.
- Properties that specify the name of the primary key column for a content table (catalog). For information about content tables, see the "Data Design" section in the *Content Server Developer's Guide*. The Content Server installation program creates custom properties of this type.
- Custom properties that specify resultset caching settings for individual tables in the Content Server database. The Content Server installation program creates custom properties of this type.

The following table lists all of the properties that any of the Content Server products create in the `futuretense.ini` file, which means that they appear on the **User Defined** tab. Note that your system may have additional properties that are not included in this list.

Properties in `futuretense.ini`: **UserDefined** Tab

Property	Description
`analysisconnector.version`	The version number of Analytics Bridge, if it is installed. Do **not** change the value of this property.
`catalogcentre.version`	**Deprecated**. The version number of CS-Direct Advantage, if it is installed. CS-Direct Advantage was named Catalog Centre in early versions of the product. Do **not** change the value of this property.
`cc.AssetTypeCSz`	The number of resultsets to cache against the `AssetType` table, an object table that is created by the Content Server installation. **Default value:** `50`
`cc.CategoryCSz`	The number of resultsets to cache against the Category table, an object table that the Content Server installation creates for asset types. **Default value:** `50`

Properties in `futuretense.ini`: **UserDefined** Tab *(continued)*

Property	Description
`cc.ComparatorsKey`	The primary key of the `Comparator` table, a content table that the Content Server installation creates to hold field comparator classes. **Default value:** `name` Do **not** change the value of this property.
`cc.FiltersKey`	**Default value:** `name`
`cc.MimeTypeKey`	The primary key of the `MimeType` table, a content table that the Content Server installation creates to store the mimetypes of the documents that it handles. **Default value:** `mimetype` Do **not** change the value of this property.
`cc.PreviewgenKey`	**Default value:** `name`
`cc.SourceKey`	The primary key of the `Source` table, a content table that the Content Server installation creates for asset types. **Default value:** `source` Do not change the value of this property.
`cc.StatusCodeCSz`	The number of resultsets to cache against the `StatusCode` table, a content table that the Content Server installation creates for asset types. **Default value:** `10`
`cc.StatusCodeKey`	The primary key of the `StatusCode` table. **Default value:** `statuscode` Do not change the value of this property.
`commerceconnector.version`	The version number of the Commerce Connector utility, if it is installed. Do **not** change the value of this property.
`contentcentre.version`	**Deprecated**. The version number of CS-Direct, if it is installed. CS-Direct was named Content Centre in previous versions of the product. Do **not** change the value of this property.
`cs.dbencoding`	**Default value:** `UTF-8`

Properties in `futuretense.ini`: **UserDefined** Tab *(continued)*

Property	Description
`cs.requestfactory`	**Default value:** `com.fatwire.cs.portals.portlet.PortletRequestFactory`
`ft.servletoutputstream`	**Default value:** `false`
`image.time`	**Default value:** `5:0:0 */*/*`
`marketingstudio.version`	The version number of Engage, if it is installed. Engage was named Marketing Studio in previous versions of the product. Do **not** change the value of this property.
`page.time`	**Default value:** `*:0,5,10,15,20,25,30,35,40,45,50,55:0 */*/*`
`soap.binaryRowsType`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.iList`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.likeConstraint`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.listRowsType`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.nestedConstraint`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.rangeConstraint`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.

Properties in `futuretense.ini`: **UserDefined** Tab *(continued)*

Property	Description
`soap.richTextConstraint`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.searchstate`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.standardConstraint`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.stringRowsType`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.stringVarsType`	**Default value:** `com.openmarket.basic.objects.StringVarsType`
`soap.urlRowsType`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.
`soap.URLType`	A Content Server system property used to instantiate server-side objects in response to SOAP requests made by web services. Do **not** change the value of this property.

futuretense_xcel.ini

Properties in `futuretense_xcel.ini` are organized by function on the following tabs:

- Analytics Tab
- Asset Default Tab
- Authorization Tab
- Debug Tab
- Directories Tab
- Element Override Tab
- KeyView Tab
- Preference Tab
- Publishing Tab
- User Management Tab
- User Defined Tab

Note

Content Server also inserts custom properties into the “User Defined” tab in the `futuretense.ini` file, as described in “futuretense.ini User Defined Tab” on page 95.

futuretense_xcel.ini: Analytics Tab

The **Analytics** tab holds properties that are used to configure FatWire Analytics 2.1. These properties are documented here in alphabetical order:

> **Note**
>
> These properties are also documented in the guide *Installing and Configuring Analytics 2.1*. If you are working with a version of Analytics prior to 2.1, refer to that version's documentation.

Properties in `futuretense_xcel.ini`: **Analytics** Tab

Property	Description	Example
`analytics.datacaptureurl`	URL where the Analytics data capture servlet is running.	`http://<ipaddress>:<port> /sensor/statistic`
`analytics.enabled`	Indicates whether FatWire Analytics is installed.	`true`
`analytics.piurl`	URL where the Analytics performance indicator servlet is running	`http://<ipaddress>:<port> /analytics/PI`
`analytics.reporturl`	URL at which the generated report is displayed.	`http://<ipaddress>:<port> /analytics/Report.do`
`analytics.user`	Pre-configured Analytics user who logs in to FatWire Analytics from Content Server.	`csuser` Default in FatWire Analytics. Changing the name is not recommended.

futuretense_xcel.ini: Asset Default Tab

The **Asset Default** tab holds properties that are used to define certain default details about asset types, such as cache information, default ACLs, and whether eWebEditPro is present. These properties are documented here in alphabetical order:

Properties in `futuretense_xcel.ini`: **Asset Default** Tab

Property	Description
`xcelerate.asset.shareToAll Allowed`	Specifies whether the assets can be shared to all sites. **Possible values:** `true` | `false`
`xcelerate.asset.sizeofname field`	Specifies the length of the **Name** field for basic and flex asset types. For 4.0 or later releases this value is set to 64. For installations that have been upgraded from releases earlier than 4.0, this value is usually set to 32.
`xcelerate.body.length`	Specifies the number of characters that are stored for the **Body** field in the `Article` table in the `urlbody` column. Data entered in the **Body** field for an article asset (a sample site asset type) is written to the `urlbody` column. Because this is a URL column, that data is actually stored as a file outside of the Content Server database. However, the first `<n>` number of characters, where `<n>` equals the value specified for this property, is also stored in the `body` column so that you can search for text in the body of an article asset with the search feature in the Content Server interface. **Default value:** `1000` Maximum values: `256` for Windows NT or Windows 2000; `2000` for UNIX. If this property is missing or is not set, Content Server uses the value from the `cc.maxvarcharsize` property in the `futuretense.ini` file instead.
`xcelerate.defaultacl`	Specifies an ACL that is automatically assigned to page entries in the `SiteCatalog` table when they are created by the creation of SiteEntry or Template assets. **Default value:** blank

Properties in `futuretense_xcel.ini`: **Asset Default** Tab *(continued)*

Property	Description
`xcelerate.defaultbase`	Specifies the default base of `defdir` for assets.
`xcelerate.defaultcscacheinfo`	Specifies the default `cacheinfo` that is used for Site Catalog entries created with SiteEntry and Template assets. **Default value:** `true`
`xcelerate.defaultsscacheinfo`	Specifies the default value that is set for the `sscacheinfo` column for page entries in the `SiteCatalog` table when they are created (for either Template or SiteEntry assets). **Default value:** `*`
`xcelerate.defaultpage criteria`	Specifies the default value that is set for the `pagecriteria` column for page entries in the `SiteCatalog` table when they are created by creating a Template asset. **Default value:** `c, cid, p, rendermode, site, context` For definitions of these variables and for more information about page criteria variables in general, see the *Content Server Developer's Guide*.
`xcelerate.defaultcsstatus`	Specifies the default value that is set for the `csstatus` column for page entries in the `SiteCatalog` table when they are created (for either Template or SiteEntry assets). Do **not** change the value of this property **Default value:** `live`
`xcelerate.defaultpage criteriaSiteEntry`	Specifies the page criteria variables that can be set by default for SiteEntry assets. While you can add variables to this list, do **not** delete any of the default values. **Default value:** `rendermode, site, seid, Sitepfx`
`xcelerate.ewebeditpro`	If you have purchased the eWebEditPro HTML editor and your developers have designed asset types that use it, this property specifies the location of the `ewebeditpro.js` file.

Properties in `futuretense_xcel.ini`: **Asset Default** Tab *(continued)*

Property	Description
`xcelerate.MaxLinks`	Specified the number of links that could be included in a linkset, an old asset type that is no longer used.

futuretense_xcel.ini: Authorization Tab

Properties in `futuretense_xcel.ini`: **Authorization** Tab

Property	Description
`xcelerate.authorize functions`	Contains a comma-separated list of functions for which permissions can be generated on an asset. If the value is empty, all possible functions will be displayed. Additional system-defined functions can be added to the list of default functions. **Default value:** `inspect, preview, checkout, copy, edit, delete, rollback, share, approve, build`
`xcelerate.deny.abstain fromvoting`	Contains a comma-separated list of roles that are **not** allowed to abstain from voting when assigned assets as part of the workflow process. **Default value:** blank
`xcelerate.deny.approve`	Contains a comma-separated list of roles that are **not** allowed to approve assets for publishing. **Default value:** blank
`xcelerate.deny.authorize`	Contains a comma-separated list of roles that are **not** allowed to authorize privileges on assets. **Default value:** blank
`xcelerate.deny.build`	Contains a comma-separated list of roles that are **not** allowed to build Collection assets. **Default value:** blank
`xcelerate.deny.checkout`	Contains a comma-separated list of roles that are **not** allowed to checkout assets explicitly from the revision tracking system. **Default value:** blank
`xcelerate.deny.copy`	Contains a comma-separated list of roles that are **not** allowed to copy assets. **Default value:** blank
`xcelerate.deny.delegate`	Contains a comma-separated list of roles that are **not** allowed to delegate assigned assets to other participants in the workflow. **Default value:** blank

Properties in `futuretense_xcel.ini`: **Authorization** Tab *(continued)*

Property	Description
`xcelerate.deny.delete`	Contains a comma-separated list of roles that are **not** allowed to delete assets. **Default value:** blank
`xcelerate.deny.edit`	Contains a comma-separated list of roles that are **not** allowed to edit assets. **Default value:** blank
`xcelerate.deny.inspect`	Contains a comma-separated list of roles that are **not** allowed to inspect assets. **Default value:** blank
`xcelerate.deny.placepage`	Contains a comma-separated list of roles that are **not** allowed to place assets in the SitePlan tree. **Default value:** blank
`xcelerate.deny.preview`	Contains a comma-separated list of roles that are **not** allowed to preview assets with their templates. **Default value:** blank
`xcelerate.deny.removefromgroup`	Contains a comma-separated list of roles that are **not** allowed to remove assets from a workflow group. **Default value:** blank
`xcelerate.deny.removefromworkflow`	Contains a comma-separated list of roles that are **not** allowed to remove assets from workflow. **Default value:** blank
`xcelerate.deny.rollback`	Contains a comma-separated list of roles that are **not** allowed to roll back assets to a previous version. **Default value:** blank
`xcelerate.deny.setExportData`	Contains a comma-separated list of roles that are **not** allowed to set export to disk (static publishing) starting point. These users may still be allowed to approve and publish assets if some other users set the starting point. **Default value:** blank

Properties in `futuretense_xcel.ini`: **Authorization** Tab *(continued)*

Property	Description
`xcelerate.deny.setnestedworkflow`	Contains a comma-separated list of roles that are **not** allowed to set nested workflow. **Default value:** blank
`xcelerate.deny.setparticipants`	Contains a comma-separated list of roles that are **not** allowed to set participants for workflow. **Default value:** blank
`xcelerate.deny.setprocessdeadline`	Contains a comma-separated list of roles that are **not** allowed to set workflow process deadlines. **Default value:** blank
`xcelerate.deny.setstepdeadline`	Contains a comma-separated list of roles that are **not** allowed to set a deadline on a workflow step. **Default value:** blank
`xcelerate.deny.share`	Contains a comma-separated list of roles that are **not** allowed to **share** assets with other sites (other than the site the asset was originally created in). **Default value:** blank
`xcelerate.deny.showparticipants`	Contains a comma-separated list of roles that are **not** allowed to **see** the **participants** that are set for a workflow. **Default value:** blank
`xcelerate.deny.showstatus`	Contains a comma-separated list of roles that are **not** allowed to **see** the **status** screen for assets. The **status** option shows up in **more …** drop-down box of the inspect window. The screen shows workflow, publishing, and revision tracking information about the asset that is being inspected. If the user belongs to one of the roles that is being denied the privilege, the option to view the status screen will not show. **Default value:** blank

Properties in `futuretense_xcel.ini`: **Authorization** Tab *(continued)*

Property	Description
`xcelerate.deny.showversion`	Contains a comma-separated list of roles that are **not** allowed to see the list of versions for an asset. **Note:** User can view the list of versions for an asset that is explicitly or implicitly checked out. The inspect form will **not** display a **Show Versions** button if the user belongs to one of the roles that is denied the privilege. **Default value:** blank
`xcelerate.grant.abstainfromvoting`	Contains a comma-separated list of roles that are allowed to abstain from voting when assigned assets as part of the workflow process. **Default value:** blank
`xcelerate.grant.approve`	Contains a comma-separated list of roles that are allowed to approve assets for publishing. **Default value:** blank
`xcelerate.grant.authorize`	Contains a comma-separated list of roles that are allowed to authorize privileges on assets. **Default value:** `SparkAdmin, GeneralAdmin, WorkflowAdmin, SiteAdmin`
`xcelerate.grant.build`	Contains a comma-separated list of roles that are allowed to build Collection assets. **Default value:** `blank`
`xcelerate.grant.checkout`	Contains a comma-separated list of roles that are allowed to checkout assets explicitly from the revision tracking system. **Default value:** blank
`xcelerate.grant.copy`	Contains a comma-separated list of roles that are allowed to copy assets. **Default value:** blank
`xcelerate.grant.delegate`	Contains a comma-separated list of roles that are allowed to delegate assigned assets to other participants in the workflow. **Default value:** blank

Properties in `futuretense_xcel.ini`: **Authorization** Tab *(continued)*

Property	Description
`xcelerate.grant.delete`	Contains a comma-separated list of roles that are allowed to delete assets. **Default value:** blank
`xcelerate.grant.edit`	Contains a comma-separated list of roles that are allowed to edit assets. **Default value:** blank
`xcelerate.grant.inspect`	Contains a comma-separated list of roles that are allowed to inspect assets. **Default value:** blank
`xcelerate.grant.placepage`	Contains a comma-separated list of roles that are allowed to place assets in the SitePlan tree. **Default value:** blank
`xcelerate.grant.preview`	Contains a comma-separated list of roles that are **not** allowed to preview assets with their templates. **Default value:** blank
`xcelerate.grant.removefromgroup`	Contains a comma-separated list of roles that are allowed to remove assets from a workflow group. **Default value:** blank
`xcelerate.grant.removefromworkflow`	Contains a comma-separated list of roles that are allowed to remove assets from workflow. **Default value:** blank
`xcelerate.grant.rollback`	Contains a comma-separated list of roles that are allowed to roll back assets to a previous version. **Default value:** blank
`xcelerate.grant.setExportData`	Contains a comma-separated list of roles that are allowed to set export to disk (static publishing) starting point. **Default value:** blank
`xcelerate.grant.setnestedworkflow`	Contains a comma-separated list of roles that are allowed to set nested workflow. **Default value:** blank

Properties in `futuretense_xcel.ini`: **Authorization** Tab *(continued)*

Property	Description
`xcelerate.grant. setparticipants`	Contains a comma-separated list of roles that are allowed to set participants for workflow. **Default value:** blank
`xcelerate.grant. setprocessdeadline`	Contains a comma-separated list of roles that are allowed to set workflow process deadlines. **Default value:** blank
`xcelerate.grant. setstepdeadline`	Contains a comma-separated list of roles that are **not** allowed to set a deadline on a workflow step. **Default value:** blank
`xcelerate.grant.share`	Contains a comma-separated list of roles that are allowed to **share** assets with other sites (other than the site the asset was originally created in). **Default value:** blank
`xcelerate.grant. showparticipants`	Contains a comma-separated list of roles that are allowed to **see** the **participants** that are set for a workflow. **Default value:** blank
`xcelerate.grant. showstatus`	Contains a comma-separated list of roles that are allowed to **see** the **status** screen for assets. The **status** option shows up in the **more …** drop-down box of the inspect window. The screen shows workflow, publishing, and revision tracking information about the asset that is being inspected. If the user belongs to one of the roles that is being granted the privilege, the option to view the status screen will show. **Default value:** blank
`xcelerate.grant. showversion`	Contains a comma-separated list of roles that are allowed to see the list of versions for an asset. **Note:** The user can view the list of versions for an asset that is explicitly or implicitly checked out. The inspect form will display a **Show Versions** button if the user belongs to one of the roles that is granted the privilege. **Default value:** blank

futuretense_xcel.ini: Debug Tab

The **Debug** tab holds properties that enable the various Content Server debugging utilities. These properties are documented here in alphabetical order.

Properties in `futuretense_xcel.ini`: **Debug** Tab

Property	Description
`am.debug`	Specifies whether AssetMaker logs debugging information about the asset types it makes. When set to `on`, information about the creation of asset types is written to the `futuretense.txt` file. **Default value:** `off`
`asset.debug`	Specifies whether Desktop and the Export Assets to XML publishing method log debugging information when they manipulate assets. When set to `on`, information about the manipulation of assets is written to the `futuretense.txt` file. **Default value:** `off`

futuretense_xcel.ini: Directories Tab

The **Directories** tab holds properties that enable the various Content Server directories, such as utilities. These properties are documented here in alphabetical order.

Properties in `futuretense_xcel.ini`: **Directories** Tab

Property	Description
`xcelerate.locallanguagedir`	Specifies the directory path of the CS-Desktop client installation. This value is set by the Content Server installation. **Default value:** `C:/FutureTense/futuretense_cs/xcelerate/Client/ClientInstall/CSDesktop`
`xcelerate.lockdir`	Specifies the directory path (including the final slash) to the directory where Content Server stores information about the locks that lock data during database operations. If this CS system is installed on a cluster, this directory must have write permissions for and be accessible to all cluster members. This value is set by the Content Server installation. **Default value:** `c:/FutureTense/lock/`
`xcelerate.objpubdir`	Specifies the path to a directory in cluster-shared file space (including the terminating slash character) in which objects that get published are stored temporarily. This value is set by the Content Server installation. **Default value:** `C:/FutureTense/objpubdir/`
`xcelerate.pubkeydir`	Specifies the directory where the publishing system writes information about the items that have been published to the various target systems. This value is set by the Content Server installation. **Default value:** `c:/FutureTense/pubkeys/`
`xcelerate.saveSearchdir`	Specifies the defdir (default storage directory) for the `SaveSearch` table. This table has a URL column that holds the saved searches on a development or management system. This value is set by the Content Server installation. **Default value:** `c:/FutureTense/Storage/SaveSearch`

Properties in `futuretense_xcel.ini`: **Directories** Tab *(continued)*

Property	Description
`xcelerate.sePath`	Specifies the directory where search indexes are stored when you are using a search engine on your CS system. If you change this value, be sure to specify a directory that exists. (This property does not create the directory for you.) **Possible values:** • Windows NT or Windows 2000: `c:/FutureTense/sedb` • Solaris or AIX: `/export/home/FutureTense/sedb`
`xcelerate.tempobjectsdir`	Specifies the defdir (default storage directory) for the `TempObjects` table, a Content Server table that stores information about objects that are uploaded or in the process of being created until they are either saved or canceled. This value is set by the Content Server installation. **Default value:** `c:/FutureTense/tempobjectsdir/`
`xcelerate.thumbnaildir`	Specifies the directory where the template asset will store thumbnail images associated with template variant thumbnails. This value is set by the Content Server installation. **Default value:** `C:/FutureTense/thumbnaildir/`
`xcelerate.workflowdir`	Specifies the name of the directory that holds files related to workflow processes. This value is set by the Content Server installation. **Default value:** `C:/FutureTense/workflowdir` If you change the value from the default, be sure that directory exists.

futuretense_xcel.ini: Element Override Tab

The **Element Override** tab holds properties that you can use to help customize the user interface. These properties are documented here in alphabetical order:

Properties in `futuretense_xcel.ini`: **Element Override** Tab

Property	Description
`xcelelem.manageuserpub`	Defines the element that Content Server uses to manage the roles that users fulfill for your Content Server sites. **Default value:** `Openmarket/Xcelerate/Actions/Security/AccessUserPublication`
`xcelelem.publishfactors`	The name of the element used to provide additional publishing control factors. May be empty. **Default value:** `Openmarket/Xcelerate/Actions/Publish/OverrideFactor`
`xcelelem.publishoptions`	This property allows customization of a portion of the common options area of the publishing form. It is used by the `Action/Publish/PublishOptions` element. If this is defined, it names an element to call which will lay out the publishing options section of all the publishing forms. **Default value:** `empty`
`xcelelem.setpubid`	**Deprecated**. Specifies the name of the element that sets the pubid session variable when visitors first come to your site via a dynamic URL. It is run once per visitor session. **Default value:** `OpenMarket/Xcelerate/Actions/Publish/SetPubid`

futuretense_xcel.ini: KeyView Tab

The **KeyView** tab holds the properties that provide information to the Verity KeyView utility, a component used by the Desktop and DocLink applications.

These properties are documented here in alphabetical order:

Properties in `futuretense_xcel.ini`: **Key View** Tab

Property	Description
`keyview.apidir`	Set at installation, this value sets the path to the shared libraries for Verity KeyView. Do **not** change the value of this property.
`keyview.imgdir`	This value sets the path to the image files that Verity KeyView creates for Desktop. This path is not set by the installer. To set this path (so that you will have the ability to see these image files) do the following: **1.** Define a webroot somewhere that points to a directory in a shared file system that is accessible from all cluster members. (Defining this webroot is not required unless you need this feature). **2.** Set `keyview.imgurl` to be the relative URL path (starting with `/`) of the webroot you defined, or the absolute URL (starting with `http`) of the webroot. **3.** Set `keyview.imgdir` to the directory path that the webroot points to.
`keyview.imgurl`	This value sets the prefix that is added to the SRC attributes of IMG tags that are generated for image files by Verity KeyView for Desktop. This value is not set by the installer. If you want the ability to see the image files that Verity KeyView creates for Desktop, see the instructions provided in the description of `keyview.imgdir`.
`xcelerate.transformpath`	Set at installation, this value sets the path to the directory where Desktop temporarily stores files that are transformed by VerityKeyView. Do **not** change the value of this property.

futuretense_xcel.ini: Preference Tab

The **Preference** tab holds properties that you use to configure the search feature, the tree, and the character set used on your system.

These properties are documented here in alphabetical order.

Properties in `futuretense_xcel.ini`: **Preference** Tab

Property	Description
`xcelerate.charset`	Specifies the character set that Content Server uses to communicate with the server. **Default value:** `UTF-8` Changing this property from the default value may limit the characters that are supported.
`xcelerate.emailnotification`	**Deprecated**. Specifies whether the Content Server workflow e-mail notification feature is enabled. When set to `true`, the workflow system sends e-mail messages to users when assets are assigned to them through a workflow process. **Default value:** `false` See also, the "Email" section in the *Content Server Administrator's Guide*.
`xcelerate.restrictSiteTree`	Specifies whether users other than admin users can toggle the tree on in the Content Server interface when it is configured to be toggled off by default (that is, the `xcelerate.showSiteTree` property is set to `false`). Set to `true` to enable only users with the xceladmin ACL to be able to toggle the tree back on. **Default value:** `false` For more information about this feature, see the *Content Server Administrator's Guide*.
`xcelerate.seLimit`	Specifies the maximum number of query results that should be returned from any internally conducted search engine query. **Default value:** `10000`

Properties in `futuretense_xcel.ini`: **Preference** Tab *(continued)*

Property	Description
`xcelerate.showSiteTree`	Specifies whether the tree is displayed by default when any user logs in to the Content Server interface. Set to `false` if you want the tree to be toggled off by default. **Default value:** `true` For more information about this feature, see the *Content Server Administrator's Guide*.
`xcelerate.treehierassettype`	Enables hierarchical display mode for SiteEntry, CSElement, Template, and Recommendation assets. The value of this property is a comma-delimited list of asset types that should be displayed in a hierarchy. Asset types whose assets should not be displayed in a hierarchy should not be included in the list. The hierarchical structure is based on the "/" the in the asset name. Each "/" in the asset name represents one hierarchy level, e.g. "`/AssetName`" is the top level, "`//AssetName`" is the next level, and so on. **Default value:** `SiteEntry,CSElement, Template,Recommendation`
`xcelerate.treeMaxNodes`	Specifies the number of items that are displayed under a node in the tree in the Content Server interface. When a node has more than this number of items, Content Server prompts the user to enter search criteria to reduce the number. **Default value:** `100` For more information about this feature, see the *Content Server Administrator's Guide*.
`xcelerate.treeType`	Specifies the kind of tree that is used in the Content Server interface. **Possible values:** `OMTree` or a value that specifies a customized replacement tree **Default value:** `OMTree` Do **not** change this property without first consulting FatWire Professional Services or FatWire Customer Support.

Properties in `futuretense_xcel.ini`: **Preference** Tab *(continued)*

Property	Description
`xcelerate.usese`	Specifies whether Content Server should use an installed search engine. **Possible values:** `true` | `false` **Default value:** `false`

futuretense_xcel.ini: Publishing Tab

The **Publishing** tab holds the properties that provide information to the Content Server publishing system, which also uses the properties in the `futuretense.ini` file (Export/Mirror tab). For descriptions of the properties, see "Export/Mirror Tab" on page 75.

Properties in `futuretense_xcel.ini`: **Publishing** Tab

Property	Description
`xcelerate.batchhost`	Specifies the host name and port number of the server on which the publish process will run.
`xcelerate.batchmode`	Defines the batch publishing mode. **Possible values:** • `single`— batch host is a dedicated IP address. • `multiple`— batch host is a cluster IP address. **Default value:** `single`
`xcelerate.batchloadsizeon publish`	Controls the batch size of assets loaded during a publishing event. **Default value:** `250`
`xcelerate.batchpass`	Specifies the password for the batch user. **Default value:** `xceladmin` Be sure to change this value after you create the batch user for this CS system. For information, see the *Content Server Administrator's Guide*.
`xcelerate.batchsavesizeon publish`	Controls the batch size of assets saved during a publishing event. **Default value:** `250`
`xcelerate.batchuser`	The Content Server publishing system runs as a background process and you must configure a batch user account for the publishing system to use. This property specifies the user name of the batch user. **Default value:** `admin` Be sure to change this value after you create the batch user for this CS system. For information, see the *Content Server Administrator's Guide*.

Properties in `futuretense_xcel.ini`: **Publishing** Tab *(continued)*

Property	Description
`xcelerate.blobref`	The name of the class that manages the publish references for blobs. The default is provided here for reference only: `com.openmarket.xcelerate.publish.BlobRef`. Do **not** change the value of this property. For information about published references, see the *Content Server Administrator's Guide.*
`xcelerate.bulkapprovechunk`	Specifies the number of assets to approve at the same time, in the same batch or "chunk," when someone uses the **Approve Multiple Assets** feature in the Content Server interface. The feature approves all the assets that are selected for approval in batches and the number of assets in each batch is set by this property. **Default value:** `500` For information about the Approve Multiple Assets feature, see the C*ontent Server Administrator's Guide.*
`xcelerate.donotregenerate`	Specifies whether cached pages are regenerated after a publishing session. **Possible values:** • blank, that is, no value—means that all the pages in the cache that were affected by the publish session are refreshed. • `unknowndeps`—means that cached pages that were generated from an element that used a `RENDER.UNKNOWNDEPS` tag are not refreshed. • `*` (asterisk)—means none of the pages in the cache are refreshed. In other words, the affected pages are refreshed only when a visitor requests the page. **Default value:** blank Do not change the value of this property without first consulting FatWire support personnel.

Properties in `futuretense_xcel.ini`: **Publishing** Tab *(continued)*

Property	Description
`xcelerate.exportmaxfilename`	This is the maximum length of any file name generated during export publishing. If you are running Windows NTFS, you may want to set this to a low value to make it possible to re-export, delete or rename files created by the export-to-disk publish process. NTFS has an upper limit of 255 characters for any path name.
`xcelerate.mirrorini`	If you have had the element identified by the `xcelerate.remotecall` property modified in such a way that it needs information from additional property files other than `futuretense.ini`, this property specifies the names of all the property files that are needed. **Default value:** `futuretense.ini` Do **not** modify this value to include additional property files without consulting FatWire Professional Services or FatWire Customer Support.
`xcelerate.pageref`	Specifies the name of the class that manages publish references for pages. The default is provided here for reference only: `com.openmarket.xcelerate.publish.PageRef`. Do **not** change the value of this property.
`xcelerate.presaveelt`	Specifies the name of the element called on the mirror target during publish after the assets' primary rows have been mirrored, but prior to the deserialization and `asset.save` of the flex and complex assets. Use `PresaveElement` for standard mirror publish.
`xcelerate.pubabortelt`	Specifies the name of the element called on the mirror target if the publish fails. **Default value:** `PubAbortElement for standard mirror publish.`

Properties in `futuretense_xcel.ini`: **Publishing** Tab *(continued)*

Property	Description
`xcelerate.pubcleanupelt`	Specifies the name of the element that the publishing system uses during the cleanup phase of a mirror publish operation. **Default value:** `PubCleanupElement` Do **not** modify this value without consulting FatWire Professional Services or FatWire Customer Support.
`xcelerate.publishallasset types`	Specifies whether to publish all asset types on mirror publish. **Possible values:** `true` | `false` If set to `true` all asset types will be published. If not set to `true`, only asset types of the assets involved in the publish and their dependent asset types will be published. **Note:** If you want to set this property to `true`, you have to make sure that all asset types that exist on the source server also exist on the publish destination.
`xcelerate.publishinvalidate`	Specifies whether an asset is marked as changed on the destination system when an asset is published. If it is marked as changed, it must be approved on that system before it can be published from that system to a new destination. **Possible values:** `true` | `false` **Default value:** `true` Because having the publishing system take the time to mark the assets as changed on the destination adds time to the publishing session, typically you leave this property set to `true` on development and management systems but change it to `false` on delivery systems.
`xcelerate.pubsetupelt`	Specifies the name of the element that the publishing system uses during the setup phase of a mirror publish. **Default value:** `PubSetupElement` Do **not** modify this value without consulting fatwire Professional Services or fatwire Customer Support.

Properties in `futuretense_xcel.ini`: **Publishing** Tab *(continued)*

Property	Description
`xcelerate.remotecall`	Specifies the pagename that is invoked on the target system during a mirror publishing session. **Default value:** `Openmarket/Xcelerate/PrologActions/Publish/Mirror1/RemoteCall` Do **not** modify this element or change the value of this property without assistance from FatWire Professional Services or FatWire Customer Support.
`xcelerate.templatedefault`	The name of the template to use if a template cannot be found to render an asset type. **Default value:** `Openmarket/TemplateDefault`

futuretense_xcel.ini: xcelerate Tab

The **xcelerate** tab holds the properties that specify such things as default administrative settings, whether the InSite Editor is enabled, whether workflow configuration and search engine are being used, whether LDAP is being used, and so on.

These properties are documented here in alphabetical order:

Properties in `futuretense_xcel.ini`: **xcelerate** Tab

Property	Description
`xcelerate.adminacl`	Specifies the ACL that users must be assigned so they can access administrator functions (that is, any of the functions that appear on the Admin tab in the Content Server interface). **Default value:** `xceladmin` If you change the value of this property to a different ACL, be sure to assign that ACL to all the tables that currently have the xceladmin ACL assigned to them.
`xcelerate.adminrole`	Specifies an ACL that is set for all administrative tables during installation. **Default value:** `xceladmin` Do not change the value of this property after your system is installed.
`xcelerate.base`	Specifies the top-level (base) directory of the Content Server elements. During installation, the installer might need to edit this value to indicate where the Content Server elements are in your installation. **Default value:** • Windows NT or Windows 2000: `c:/Fatwire/elements/OpenMarket/Xcelerate` • Solaris or AIX: `/export/home/Fatwire/elements/OpenMarket/Xcelerate` Do not change the value of this property after your system is installed.
`xcelerate.crosssiteassign`	Specifies whether users from more than one site can participate in the same workflow process. **Possible values:** `true | false` **Default value:** `false`
`xcelerate.defaultlang`	Specifies the default language. **Default value:** `en_US`

Properties in `futuretense_xcel.ini`: **xcelerate** Tab *(continued)*

Property	Description
`xcelerate.defaultpreview urlgenerator`	Set to the preview generator name to generate URLs for preview, if no site-specific one is described.
`xcelerate.domain`	Specifies the domain name of the system, not including the server (machine) name. This property is used by applications that have been integrated with Content Server and that have a browser interface.
`xcelerate.editrole`	Specifies an ACL that is set for editorial tables during installation. **Default value:** `xceleditor` Do not change the value of this property after your system is installed.
`xcelerate.enableinsite`	Enables or disables the InSite Editor for this CS system. A value of true enables the InSite Editor. **Default value:** `false` Do **not** enable the InSite Editor on your Content Server delivery system.
`xcelerate.imageurl`	Specifies the webroot for all image URLs used by the applications.
`xcelerate.publishquery style`	Defines the query style to use when getting a list of assets approved for publishing. **Possible values:** `subquery,join`

`xcelerate.previewhost`	One of two properties that enable the preview host feature, this property sets the cgi path to use for the preview host.
	For information about this feature, see "Maintaining Separate Browser Sessions for Preview" in the *Content Server Administrator's Guide*.
	If you provide a value for this property, use the following syntax:
	• For most application servers, including Sun ONE:
	`http://<servername>:<port>/servlet/`
	• For iPlanet Application Server (iAS):
	`http://<servername>:<port>/NASApps/cs/`

Properties in `futuretense_xcel.ini`: **xcelerate** Tab *(continued)*

Property	Description
`xcelerate.previewservlet`	One of two properties that enable the preview host feature, this property specifies which servlet the preview host should use. For information about this feature, see "Maintaining Separate Browser Sessions for Preview" in the *Content Server Administrator's Guide*. **Possible values:** `ContentServer` or `Satellite` **Default value:** `Satellite`
`xcelerate.previewurlpage name`	Set to the name of page to generate URLs for preview. Do **not** change the value of this property.
`xcelerate.rolemanagerc lass`	Specifies the name of the role manager class. By default, the value of this property is set to the Content Server role management system. **Default value:** `com.openmarket.xcelerate. roles.RoleManager` • If you are using a Sun ONE embedded Identity Server, set this property to the following value, exactly: `com.openmarket.xcelerate.roles.Ident ityServerRoleManager` • If you are using a WebLogic embedded LDAP, set this property to the following value, exactly: `com.openmarket.xcelerate.roles.FlatL DAPRoleManager`
`xcelerate.treetabmanager class`	The class that implements ITreeTabManager to provide tree tab descriptions for Content Server. The default is provided here for reference only: `com.openmarket.xcelerate.treetab. TreeTabManager` Do not change the value of this property.

Properties in `futuretense_xcel.ini`: **xcelerate** Tab *(continued)*

Property	Description

`xcelerate.usermanagerclass`	The class that implements IUserManager to provide user services for Content Server.
	Default value:
	`com.openmarket.xcelerate.user.UserManager`
	• If you want to implement LDAP attribute-mapping for site and role names, set this property to the following value, exactly:
	`com.openmarket.xcelerate.user.LDAPSchemaUserManager`
	• If you are using a WebLogic or Sun ONE Application Server embedded LDAP, set this property to the following value, exactly:
	`com.openmarket.xcelerate.user.FlatLDAPSchemaUserManager`

`xcelerate.workflowengineclass`	The class that implements IWorkflowEngine to provide workflow services for Content Server. The default is provided here for reference only: `com.openmarket.xcelerate.workflow.WorkflowEngine` Do not change the value of this property.

futuretense_xcel.ini: User Management Tab

The **User Management** tab holds the properties that specify various user attribute names, which hold different information about the user, such the list the roles that the user has for a publication, the screen name that they user uses, the list of sites the user is enabled for.

Properties in `futuretense_xcel.ini`: **User Management** Tab

Property	Description
`xcelerate.displayablenameattr`	Specifies the name of the user attribute describing the displayable name, if different from the login name.
`xcelerate.emailattr`	Specifies the name of the user attribute that is used to identify a user's e-mail address to your CS system. These attributes are kept in the `SystemUserAttr` table. **Default value:** `mail`
`xcelerate.localeattr`	Specifies the name of the user attribute that identifies the locale that a user specifies if you have more than one language pack installed on your CS system. **Default value:** • Blank when one language is present. • `locale` when more than one language is present.
`xcelerate.pubrolesattr`	Specifies the name of the user attribute that lists the roles that the user has for publication. This property is only used if `xcelerate.usermanagerclass` is set to `com.openmarket.xcelerate.user.LDAPAttrUserManager` This is combined with the publication id to obtain the attribute name containing the roles the user has for the publication. If value is not set, the UserPublication table is used, or some other LDAP User Manager Plug-in is used.

Properties in `futuretense_xcel.ini`: **User Management** Tab *(continued)*

Property	Description
`xcelerate.sitenameattr`	Specifies the naming attribute of the site entries. This property is only used if `xcelerate.usermanagerclass` is set to `com.openmarket.xcelerate.user.LDAPSchemaUserManager`. By default, this value is blank, which means that information about a user's roles is stored in the `UserPublication` table, or some other LDAP User Manager plug-in is used. If there is a value specified for this property, the `xcelerate.usermanagerclass`, and `xcelerate.sitesroot` properties must also be configured correctly.
`xcelerate.sitesattr`	Specifies the name of the user attribute describing which publications the user has roles for. This property is used only if `xcelerate.usermanagerclass` is set to `com.openmarket.xcelerate.user.LDAPAttrUserManager`. If there is a value for this property, it is combined with the value of the `pubid` column and the value for the `xclerate.pubroleattr` property to determine a user's access rights in the Content Server interface. By default, this value is blank, which means that information about a user's roles is stored in the `UserPublication` table, or some other LDAP User Manager plug-in is used.
`xcelerate.sitesroot`	Specifies the root node (dn) under which sites are located. This property is used only if `xcelerate.usermanagerclass` is set to `com.openmarket.xcelerate.user.LDAPSchemaUserManager`. By default, this value is blank, which means that information about a user's roles is stored in the `UserPublication` table, or some other LDAP User Manager plug-in is used. If there is a value specified for this property, the `xcelerate.usermanagerclass` and `xcelerate.sitenameattr` properties must also be configured correctly.

futuretense_xcel.ini: User Defined Tab

Properties in `futuretense_xcel.ini`: **User Defined** Tab

Property	Description
`keyview.inidir`	Supports custom transformations. Used to specify the directory that stores custom templates, which are named `fw_htmltemplate.ini`. Users may change the values of properties in the templates. However, the property names and template name must not be changed. **Possible values:** `<shared>/keyview`
`xcelerate.fckeditor.basepath`	FCKEditor basepath; that is, the location of the FCKEditor files on this CS system. **Default value:** `/<URI>/FCKeditor/`
`xcelerate.imageeditor.basepath`	Online Image Editor (OIE) basepath; that is, the OIE archive location (relative URL), file name, and version. **Default value:** `<URI>/ImageEditor/OIE.cab#version=3,0,1,10`

gator.ini

Properties in `gator.ini` are organized by function on the following tabs:

- Gator Tab
- User Defined Tab

gator.ini: Gator Tab

Properties in `gator.ini`: **Gator** Tab

Property	Description
`cc.attrDisplayStyle`	The field to display (name or description) to describe attributes on a FlexAsset or FlexGroup ContentForm or ContentDetails screen. **Possible values:** `name` or `description` **Default value:** `name`
`cc.attributeinheritance`	A boolean that Gator uses to determine whether attributes should be inherited from parent to child. **Default value:** `true`
`cc.extrapath`	A boolean that Gator uses to determine if blobs should have extra path information prepended to avoid directory capacity issues on Unix. **Default value:** `true`
`cc.fullconstraint`	A boolean that Gator uses to determine if nested queries should include data from the outer query. **Possible values:** `true` | `false` **Default value:** `true`
`cc.money`	The sql for defining a field that will contain monetary values. Choose the default or contact your database administrator. **Default value:** `NUMERIC(20,3)` Do **not** change this value without consulting your database administrator.

Properties in `gator.ini`: **Gator** Tab *(continued)*

Property	Description
`cc.querystyle`	A boolean that Gator uses to determine which basic form of assetset query to generate. **Possible values:** `subquery`, `join`, or `intersect` **Default value:** `subquery` Note that setting the value of this property to `intersect` functions only if your database can support intersection queries.
`cc.string`	The sql for defining a field that will contain string values. **Default value:** `SEARCHVARCHAR` Do **not** change this value without consulting your database administrator.
`cc.textdistinct`	A boolean describing whether your database can support `DISTINCT` on attributes of type `TEXT`. **Default value:** `no`
`cc.url`	The sql for defining a field that will contain URLs. **Default value:** `VARCHAR(128)` Do **not** change this value without consulting your database administrator.
`cc.urlattrpath`	Specifies the default base path Gator uses for URL attribute files. **Default value:** `c:/futuretense/futuretense_cs/urlfiles`
`cc.useLegacyInputNames`	Specifies the boolean that Gator uses to determine the input names of attributes on FlexAsset/Parent forms. Turn this property on if you need to support custom attribute editors that have not been updated to the new format. **Default value:** `false`
`mwb.assetsetclass`	Specifies the name of the class that supplies the services for assetset management. **Default value:** `com.openmarket.gator.assetset.AssetSet` Do **not** change the value of this property. The default is provided here for reference only.

Properties in `gator.ini`: **Gator** Tab *(continued)*

Property	Description
`mwb.cartclass`	The name of the class that supplies the services for cart management. **Default value:** `com.openmarket.catalog.cart.Cart` Do **not** change the value of this property. The default is provided here for reference only.
`mwb.cartsetclass`	Specifies the name of the class that supplies the services for cart set management. **Default value:** `com.openmarket.catalog.cartset.CartSet` Do **not** change the value of this property. The default is provided here for reference only.
`mwb.commercecontextclass`	Specifies the name of the class that supplies the services for commerce context. **Default value:** `com.openmarket.gator.commercecontext.CommerceContext` Do **not** change the value of this property. The default is provided here for reference only.
`mwb.commerceengineclass`	Specifies the name of the class that supplies the services for commerce engine management. **Default value:** `com.openmarket.cscommerce.txcart.TransactEngine`
`mwb.commerceuserclass`	Specifies the name of the class that supplies the services for commerce user management. **Default value:** `com.openmarket.catalog.cart.CommerceUser`
`mwb.conservative dependencies`	Specifies the types of dependencies between: • flex assets and flex attributes • flex assets and flex definitions If you want dependencies to be `exact` between flex assets and flex attributes, and between flex assets and flex definitions, then set this property to `true`. For information about exact and exists dependencies, see the *Content Server Administrator's Guide*. **Default value:** `false`

Properties in `gator.ini`: **Gator** Tab *(continued)*

Property	Description
`mwb.defaultattributes`	Specifies the default attribute asset name for Gator to use when creating assetsets. **Default value:** blank
`mwb.externalattributes`	Specifies a boolean that Gator uses to determine if forms should allow users to define external attributes. **Default value:** `true`
`mwb.path`	Specifies the directory where Gator is installed. Be sure to end the directory with a forward slash (/). **Default value:** `c:/nas21/apps/` Do **not** change the value of this property.
`mwb.promotioncutoff`	Specifies the confidence rating that determines whether a visitor qualifies for a promotion. **Possible values:** integers between 0 and 100, inclusive **Default value:** `50` Do **not** change the value of this property.
`mwb.searchdir`	Specifies the directory where Gator places rich-text indexes. Be sure to end the directory with a forward slash (/). **Default value:** `c:/futuretense/gator/search/` Do **not** change the value of this property.
`mwb.searchstateclass`	Specifies the name of the class that supplies the services for search state management. **Default value:** `com.openmarket.gator.searchstate.SearchState` Do **not** change the value of this property. The default is provided here for reference only.

Properties in `gator.ini`: **Gator** Tab *(continued)*

Property	Description
`mwb.segmentcutoff`	The confidence rating that determines whether to include a visitor in a segment. **Possible values:** integers between 0 and 100, inclusive. **Default value:** `50` Do **not** change the value of this property.

gator.ini: User Defined Tab

Properties in `gator.ini`: **User Defined** Tab

Property	Description
Note: This tab, by default, has no properties.	

jsprefresh.ini (Deprecated)

Note

The `jsprefresh.ini` file has been deprecated as it applies to installations running on WebLogic versions 8.1 and lower.

The `jsprefresh.ini` file holds properties that provide information that Content Server needs in order to serve JSP files correctly when running on the WebLogic application server. Additional properties for serving JSP files are configured in the **JSP** tab in `futuretense.ini`. For more information about the properties, see "JSP Tab" on page 77.

Properties in `jsprefresh.ini` (WebLogic Only)

Property	Description
`app`	Specifies the name of the application that was created in WebLogic to refer to Content Server. This value is set during installation. It should match the value set for the `component` property.
`component`	Specifies the name of the application that was created in WebLogic to refer to Content Server. This value is set during installation. It should match the value set for the `app` property.
`domain`	Specifies the domain in which WebLogic is configured. This value is set during installation.
`password`	Specifies the password for the user account for the WebLogic Admin Server. This value is encrypted. This value is set during installation.
`url`	Specifies the URL at which you access WebLogic. This value is set during the installation of a CS system and it follows this format: `http://servername:port`
`user`	Specifies the user name of the user account for the WebLogic Admin Server. This value is set during installation.

Properties in `jsprefresh.ini` (WebLogic Only) *(continued)*

Property	Description
`version`	Specifies the version number of the WebLogic server. If you are using WebLogic 6.1, set it to `6`. If you are using WebLogic 7.x, set it to `7`.

logging.ini (Deprecated)

The `logging.ini` file holds properties that configure the Logging module. The Logging module writes messages to the `futuretense.txt` file.

Note

The Logging module is deprecated. It is used only by the Directory Services API.

Properties in the `logging.ini` file are organized by function on the following tabs:

- Global Data Tab
- Message Resources Tab
- User Defined Tab

logging.ini: Global Data Tab

The **Global Data** tab holds one property:

Properties in `logging.ini`: **Global Data** Tab

Property	Description
`log.filterLevel`	The severity threshold that determines the amount of messages that the Logging module writes to the log. **Possible values:** • `info`: writes all informational, warning, error, severe, and fatal messages. • `warning`: excludes informational messages; writes warning, error, severe, and fatal messages. • `error`: excludes warning and informational messages; writes error, severe, and fatal messages. • `severe`: excludes error, warning, and informational messages; writes severe and fatal messages. • `fatal`: writes fatal messages only.

logging.ini: Message Resources Tab

The Message Resources tab holds properties that provide logical mappings for the message bundles that are located, delivered, and reported by the Logging Module when the module is invoked by various components of the applications.

Caution

Do **not** change the values of any properties on this tab.

Properties in `logging.ini`: **Message Resources** Tab

Property	Description
`log.Directory.messages`	Java resource bundle to use for the Directory Services API. **Default value:** `com.openmarket.directory.DirectoryResources.` Do **not** change the value of this property.
`log.Logger.messages`	Java resource bundle to use for the Logging module. **Default value:** `com.openmarket.directory.LoggerResources.` Do **not** change the value of this property
`log.transformer.messages`	Class that provides message resources for the Default Transformer WebMethodsEnterprise Connector Subsystem.
`log.wmentconnector.messages`	Class that provides message resources for the WebMethodsEnterprise Connector System.

logging.ini: User Defined Tab

Properties in `logging.ini`: **User Defined** Tab

Property	Description
Note: This tab, by default, holds no properties.	

omii.ini

The `omii.ini` file is a system-specific file. It is created during the installation of Content Server to record the installation conditions and options that are chosen for Content Server.

Caution

The `omii.ini` file is used by the Content Server installer during re-installations and upgrades. Do **not** modify this file in any way.

omproduct.ini

The `omproduct.ini` file is a system-specific file. It is created during the installation of Content Server to record information about the FatWire products and sample site components that are chosen for installation with Content Server.

Caution

The `omproduct.ini` file is used by the Content Server installer during re-installations and upgrades. Do **not** modify this file in any way.

satellite.properties

The `satellite.properties` file is created on each Content Server system because each Content Server system runs a Satellite servlet. When the Satellite servlet is running in the same virtual machine as the ContentServer servlet, it is said to be “co-resident.” Otherwise, it is remote.

`satellite.properties` is on each server that hosts a Satellite Server application. The function of `satellite.properties` is to configure the Satellite servlet that it controls.

Properties in the `satellite.properties` file are organized by function on the following tabs:

- Caching Tab
- Configuration Tab
- Remote Host Tab
- Sessions Tab
- User Defined Tab

satellite.properties: Caching Tab

The **Caching** tab holds the Satellite Server cache settings.

The `file_size` property can significantly influence performance. To optimize performance, try to maximize the amount of memory caching. However, be sure that you do not exceed the host's memory capacity.

If you have lots of memory or a relatively small web site, FatWire recommends caching everything to memory by setting a large value. However, in calculating whether your entire web site can fit in memory, remember that expired web pages stay in memory until explicitly removed or until the cache cleaning thread removes them. Be sure to consider this fact when you set the value of the `cache_check_interval` property.

Properties in `satellite.properties`: **Caching** Tab

Property	Description
`cache_check_interval`	**Deprecated**. Controls the frequency of the cache cleaner thread. Expired objects are not pruned from cache when they expire. They are pruned either when they are requested and found invalid, or when a cache cleaner thread explicitly prunes them. In minutes, specify the pause between executions of the cache cleaner thread.
`cache_folder`	Specifies the location of disk based cache data. If left blank, cached data will be stored in the context's temp folder. **Default value:** blank
`cache_max`	Specifies the maximum number of objects to maintain in the cache. Objects are removed from the cache if the size specified is exceeded; an LRU method is used to manage cache size limits.

Properties in `satellite.properties`: **Caching** Tab *(continued)*

Property	Description
`expiration`	Specifies expiration information (in the form of a `COM.FutureTense.Util.TimePattern` string) of all cached objects that do not have this information specified elsewhere. The expiration information for an object can be specified in the `cachecontrol` attribute on the `satellite.page` (and related) tags. For pages, expiration information can also be specified in the Site Catalog's `sscacheinfo` column. For binary objects, the default value for the cachecontrol attribute is specified in the `futuretense.ini` file. Note that the outermost wrapper page of any request cannot specify an override, so this property is the only place where it can be controlled. **Default value:** `5:0:0 */*/*` This means that everything in the Satellite Server cache expires every day at 5:00 a.m. The format is as follows: `<hours>:<minutes>:<seconds> <daysOfWeek>/<daysOfMonth>/<months>` **Possible values:** • `<hours>`: 0 through 23, where 0 is midnight • `<minutes>`: 0 through 59 • `<seconds>`: 0 through 59 • `<daysOfWeek>`: 0 through 6, where 0 is Sunday • `<daysOfMonth>`: 1 through 31 • `<months>`: 1 through 12 **Other possible values:** • `never`, which means the page can expire only if the cache is full and it is the least recently used page • `immediate`, which means to never cache the page
`file_size`	Specifies the size (in kilobytes) of objects that can be cached to disk. Smaller objects are retained in memory. This value should be adjusted for system RAM, disk speed, etc.

satellite.properties: Configuration Tab

The **Configuration** tab holds the properties that configure the Satellite servlet.

Properties in `satellite.properties`: **Configuration** Tab

Property	Description
`blocktimeout`	**Deprecated**. Specifies the number of seconds a request will wait when another thread is in the process of requesting the same data from the host. Waiting helps reduce load on the host server when the cache is empty at the expense of individual user response time. **Default value:** `45` A value of –1 means wait until the previous thread returns. A value of 0 means never wait. This value must be tuned based on the host performance, average request size, and network latency. It is safe to use a large number or –1.
`password`	Specifies the password that the Satellite engine will require for special functions like engine restart or cache reset. Be sure to change the username and password from the defaults.
`readtimeout`	**Deprecated**. Specifies the socket read timeout in seconds, after which a read terminates with an error. A value of 0 leaves the timeout to the Java runtime environment. A value of `3` sets a 3-second wait time. **Default value:** `45`
`transparent.content-type.pattern`	A regular expression denoting content types that may contain nested components such as pagelets, links to other Content Server pages, or links to blobs. Pages whose content types match this pattern will be parsed by Satellite Server.
`servlet`	Specifies the URL pattern used to identify the Satellite Server servlet. Satellite Server will rewrite links and forms to use this URL pattern if pages are properly designed. **Default value:** `Satellite`

Properties in `satellite.properties`: **Configuration** Tab *(continued)*

Property	Description
`username`	Specifies the username that the Satellite engine will require for special functions like engine restart or cache reset. Be sure to change the username and password from the defaults.

satellite.properties: Remote Host Tab

The **Remote Host** tab holds properties that define the communications rules between Satellite Server and Content Server. These properties are documented here in alphabetical order:

Properties in `satellite.properties`: **Remote Host** Tab

Property	Description
`bservice`	This value is the servlet path for the Blob Server servlet. It is used to tell Satellite Server where to go to resolve `satellite.blob` tags. Typical values include `/NASApp/cs/BlobServer` for iPlanet and `/servlet/BlobServer` for servlet runners.
`host`	The name of the remote host system running Content Server that the Satellite engine is caching requests for. This is required and there is no default.
`port`	The port number for communicating with the Content Server host. **Default value:** `80`
`protocol`	The communication protocol between the Satellite Server host and the Content Server host. (Generally `http://` or `https://`). Note that setting the protocol to `https://` will not, in itself, ensure secure communications. You will still need to get a certificate.
`service`	This value is the servlet path for the Content Server servlet. It is used to tell Satellite Server where to go to resolve `satellite.page` tags. Typical values include `/NASApp/cs/ContentServer` for iPlanet and `/servlet/ContentServer` for servlet runners.

satellite.properties: Sessions Tab

The **Sessions** tab holds properties that provide information about how the Satellite servlet should interpret a user's browser session.

Properties in `satellite.properties`: **Sessions** Tab

Property	Description
`contentserver.installation.folder`	Replaces the `path.to.futuretense.ini` property. Applies to installations in which Satellite Server and Content Server are running in the same web application and must therefore share the user's session. This property specifies the path to the Content Server installation, enabling Satellite Server to access Content Server's resources, such as the system asset root and the `futuretense.ini` file. **Possible values:** • blank, if Satellite Server is running in a web application other than Content Server. • `<cs_installation_dir>` if Satellite Server is running in the same web application as Content Server. This directory contains the `futuretense.ini` and `FWLicense.xml` files.
`cookieprefix`	Satellite Server maintains a session between itself and the remote host on behalf of the client. Satellite Server needs to know the name of the session ID cookie the application server uses so that it can be properly tracked. Enter the possible session cookie name prefixes here, separated by a semicolon. If left blank, a default set will be used.
`path.to.futuretense.ini`	Replaced with: `contentserver.installation.folder`

Properties in `satellite.properties`: **Sessions** Tab *(continued)*

Property	Description
`sessionid.cookie.prefix`	Users can now specify the prefix that is prepended to the session id cookie. The session id cookie is the session id cookie for the host (i.e., Content Server). Satellite Server needs to pass the session id cookie to the client in order to maintain a session between Content Server and the client. The cookie must be renamed, so it does not conflict with the session cookie that Satellite Server itself uses. The configurable prefix allows users who know the name of the session id cookie to construct the full cookie name. This can be used in a servlet filter or other mechanism to support custom functionality.
`sharesession`	Specifies whether the ContentServer servlet and the Satellite servlet share the user session. If Satellite Server is running remotely, set this to `false`; if Satellite Server and ContentServer are co-resident, set this property to `true`. If this property is not set appropriately, user-specific information may be inconsistent between pages.

satellite.properties: Compatibility Tab

Properties in `satellite.properties:` **Compatibility** Tab

Property	Description
`formaction`	The Satellite servlet converts Content Server URLs that you GET or POST to into Satellite URLs. This property specifies which string to replace in the Content Server URL to create a Satellite URL. This value is case sensitive. Effective in Satellite Server 6, use the new `satellite.form` tag for all forms.
`newformaction`	Specifies the replacement string in URLs to be GET'ed or POST'ed to the locally mapped servlet. This value is case sensitive. Effective in Satellite Server 6, use the new `satellite.form` tag for all forms.
`globally_replace_content server`	If this property is set to `true`, Satellite Server will parse through all processable pages returned from Content Server and replace all instances of the string described by the `formaction` property with the string described by the `newformaction` property. It will also replace any occurrence of `ContentServer` with the string described by the `servlet` property. Effective in Satellite Server 6, use `satellite.link` or `RENDER.GETPAGEURL` for links and `satellite.form` for forms. If this is not possible, set this property to `true`. **Default value:** `false`

satellite.properties: User Defined Tab

Properties in `satellite.properties:` **User Defined** Tab

Property	Description
`appserverlink`	**Deprecated**. Value: `45`
`servlet-path`	**Deprecated**. Value: `/spark/`

ServletRequest.properties

The `ServletRequest.properties` file holds properties that specify configurations for certain types of requests (for example, a portal request or a Satellite Server request).

Properties in the `ServletRequest.properties` file are organized by function on the following tabs:

- Request Encoding Tab
- Request Threshold Tab
- URI Assembler Tab
- User Defined Tab

ServletRequest.properties: Request Encoding Tab

Properties in `ServletRequest.properties`: **Request Encoding** Tab

Property	Description
`cs.charset`	The name of the optional parameter that defines the character encoding of the input.

`cs.contenttype`	The default content type string used when streaming text. For example:
	`For UTF-8:`
	`text/html; charset=UTF-8` for UTF-8
	For Latin1:
	`text/html; charset=iso-8859-1`
	Default value: `text/html`

`cs.contenttype.UTF-8`	The preferred content type string used when decoding incoming http parameters. This property is designed for use with Japanese language installations, where the user intends to override shift_jis with a special encoding. For example: In Japanese environments with encoding such as Cp943C, set the value to: `cs.contenttype.shift_jis=Cp943C` **Default value:** `set by cs.contenttype`

ServletRequest.properties: Request Threshold Tab

Properties in `ServletRequest.properties`: **Request Threshold** Tab

Property	Description
`cs.disksize`	Defines the maximum size of a binary blob in a page request that will be held in memory. Anything exceeding this size will be saved in a temporary file until it is needed.

ServletRequest.properties: URI Assembler Tab

Properties in `ServletRequest.properties`: **Request Encoding** Tab

Property	Description

`path.BlobServer`	The servlet context path for the Blob Server servlet.
	Typical values:
	`/cs/BlobServer`
	`/servlet/BlobServer`

`path.CacheServer`	The servlet context path for the Cache Server servlet.
	Typical values:
	`/cs/CacheServer`
	`/servlet/CacheServer`

`path.CatalogManager`	The servlet context path for the Catalog Manager servlet.
	Typical values:
	`/cs/CatalogManager`
	`/servlet/CatalogManager`

`path.ContentServer`	The servlet context path for the Content Server servlet.
	Typical values:
	`/cs/ContentServer`
	`/servlet/ContentServer`

`path.CookieServer`	The servlet context path for the Cookie Server servlet.
	Typical values:
	`/cs/CookieServer`
	`/servlet/CookieServer`

`path.DispatchManager`	The servlet context path for the Dispatch Manager servlet.
	Typical values:
	`/cs/DispatchManager`
	`/servlet/DispatchManager`

`path.PageDispatchServer`	The servlet context path for the Page Dispatch Server servlet.
	Typical values:
	`/cs/PageDispatchServer`
	`/servlet/PageDispatchServer`

Properties in `ServletRequest.properties`: **Request Encoding** Tab *(continued)*

Property	Description

`path.SatelliteServer`	The servlet context path for the Satellite Server servlet on the host that will be most often accessed. Forced Satellite Server URIs will use this path as the servlet context path.
	Typical values:
	`/cs/Satellite`
	`/servlet/Satellite`

`path.SeedDispatchServer`	The servlet context path for the Seed Dispatch Server servlet.
	Typical values:
	`/cs/SeedDispatchServer`
	`/servlet/SeedDispatchServer`

`path.SyncSeedDispatch Server`	The servlet context path for the Sync Seed Dispatch Server servlet.
	Typical values:
	`/cs/SyncSeedDispatchServer`
	`/servlet/SyncSeedDispatchServer`

`path.TreeManager`	The servlet context path for the Tree Manager servlet.
	Typical values:
	`/cs/TreeManager`
	`/servlet/TreeManager`

`uri.assembler.1.classname`	Specifies the classname for the default URI assembler to be used by this instance of Content Server. Users may override this value and specify a different assembler that conforms to the `com.fatwire.cs.core.uri.Assembler` interface. If the assembler specified by this class is unable to decode a URI, then Content Server will attempt to use the next ranked assembler to decode the URI. This process will continue until the URI is decoded.
`uri.assembler.1.shortform`	Specifies the short form name for the corresponding URI assembler. The short form is the name passed into `getURI` methods to identify which assembler to use; it is a nickname for the assembler.

Properties in `ServletRequest.properties`: **Request Encoding** Tab *(continued)*

Property	Description
`uri.assembler.2.classname`	Specifies the classname for the second URI assembler to be used by this instance of Content Server. Users may override this value and specify a different assembler that conforms to the `com.fatwire.cs.core.uri.Assembler` interface. If the assembler specified by this class is unable to decode a URI, then Content Server will attempt to use the next ranked assembler to decode the URI. This process will continue until the URI is decoded.
`uri.assembler.2.shortform`	Specifies the short form name for the corresponding URI assembler. The short form is the name passed into `getURI` methods to identify which assembler to use; it is a nickname for the assembler.
`uri.assembler.3.classname`	Specifies the classname for the third URI assembler to be used by this instance of Content Server. Users may override this value and specify another assembler that conforms to the com.fatwire.cs.core.uri.Assembler interface. If the assembler specified by this class is unable to decode a URI, then Content Server will attempt to use the next ranked assembler to decode the URI. This process will continue until the URI is decoded.
`uri.assembler.3.shortform`	Specifies the short form name for the corresponding URI assembler. The short form is the name passed into `getURI` methods to identify which assembler to use; it is a nickname for the assembler.

ServletRequest.properties: User Defined Tab

Properties in `ServletRequest.properties`: **User Defined** Tab

Property	Description

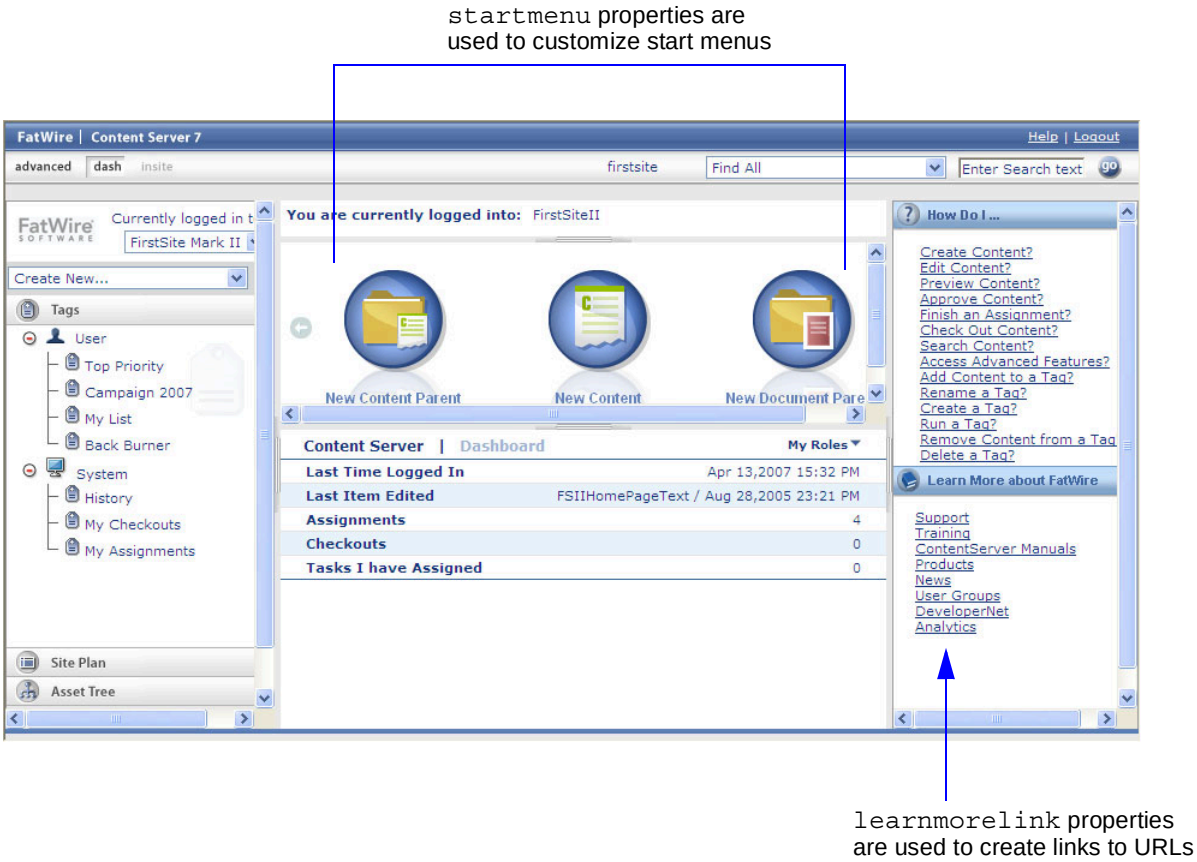
Note: This tab, by default, has no properties.

ui.properties

The `ui.properties` file is used to configure portions of Content Server's dash interface:

- `startmenu` properties are used to customize start menus in the quick access pane (start menus provide an easy way for content providers to create assets).
- `learnmorelink` properties are used to create links to user-selected URLs, listed in the "Learn More about FatWire" pane.

Figure 1: Content Server's Dash Interface



Customizing Start Menus

By default, all start menus in the quick access pane are displayed by name, along with a default icon. You have several configuration options:

- Customize the names and/or icons of start menu items for core asset types by modifying the `startmenu` properties in `ui.properties` (located in `<CS_APP_NAME>/WEB-INF/classes/`).
- Customize the names and/or icons of start menus for custom asset types by adding your own properties to `ui.properties`.

The syntax for `startmenu` properties is shown on page 157. Default `startmenu` properties (for core asset types), are listed in "Default Properties in ui.properties" on page 158.

Syntax

```
startmenu.<cs_startmenu_name>.TEXT=<ui_startmenu_name>
startmenu.<cs_startmenu_name>.IMAGE=<path_to_image_file>
```

- `<cs_startmenu_name>`

  Start menu name used by the Content Server system. `<cs_startmenu_name>` takes the form `NEW_<ASSET_TYPE>`, in uppercase characters. Spaces must be replaced with the underscore character (_). (For example, `New Article` must be converted to: `NEW_ARTICLE`)

- `<ui_startmenu_name>`
  Name of the start menu as it would appear in the quick access pane (for example, `Create Article`).

- `<path_to_image_file>`
  `../images/en_US/scroller/<image_file_name>`, where `../ is <CS_APP_NAME>` and `<image_file_name>` includes the extension (`.jpg` and `.gif` are recommended, although any browser-supported format is valid).

If no value is set for a `startmenu` property, the default start menu name (or `Default_large.jpg` icon) is used.

Example

To customize the name of the start menu for creating assets of type Article:

```
startmenu.NEW_ARTICLE.TEXT=Create Article
```

To customize the start menu icon:

```
startmenu.NEW_ARTICLE.IMAGE=../images/en_US/scroller/
  AArticle_large.jpg
```

Customizing Links

By default, links in the “Learn More about FatWire” pane point to the sites shown in Figure 1, on page 156. The links can be renamed, pointed to different URLs, deleted, or supplemented with additional links. For property syntax and examples, see the rest of this section. For a listing of default `learnmorelink` properties, see the table on page 158.

Syntax

```
learnmorelink.<nn>=<link_name>**<url>
```

- `<nn>`
  2-digit integer whose value specifies the position of the link in the list (01 at the top)
- `<link_name>`
  Name to display in the “Learn More about FatWire” panel
- `<url>`
  Destination site

Example

```
learnmorelink.01=Support**http://www.fatwire.com/cs/Satellite/
SupOverviewPage_US.html
```

(Creates the **Support** link in the “Learn More about FatWire” pane; see Figure 1.)

Default Properties in ui.properties

The table in this section describes the `learnmorelink` properties (for default help topics) and `startmenu` properties for core asset types. For information about the properties' usage and syntax, see pages 156–157. Properties in the `ui.properties` file are listed in the **User Defined** tab

Default Properties in `ui.properties`: **User Defined** Tab

Property	Description
`learnmorelink.01`	Defines the **Support** link, listed in the "Learn More about FatWire" pane. **Default value:** `Support**http://www.fatwire.com/cs/Satellite/SupOverviewPage_US.html`
`learnmorelink.02`	Defines the **Training** link, listed in the "Learn More about FatWire" pane. **Default value:** `Training**http://www.fatwire.com/cs/Satellite/TrainingOVPage_US.html`
`learnmorelink.03`	Defines the **Content Server Manuals** link, listed in the "Learn More about FatWire" pane. **Default value:** `ContentServer Manuals**http://e-docs.fatwire.com`
`learnmorelink.04`	Defines the **Products** link, listed in the "Learn More about FatWire" pane. **Default value:** `Products**http://www.fatwire.com/cs/Satellite/CSPage_US.html`
`learnmorelink.05`	Defines the **News** link, listed in the "Learn More about FatWire" pane. **Default value:** `News**http://www.fatwire.com/cs/Satellite/NewsPRPage_US.html`
`learnmorelink.06`	Defines the **User Groups** link, listed in the "Learn More about FatWire" pane. **Default value:** `User Groups**http://tech.groups.yahoo.com/group/ips-link/`

Default Properties in `ui.properties`: **User Defined** Tab *(continued)*

Property	Description
`learnmorelink.07`	Defines the **DeveloperNet** link, listed in the "Learn More about FatWire" pane. **Default value:** `DeveloperNet**http://developernet.fatwire.com`
`learnmorelink.08`	Defines the **Analytics** link, listed in the "Learn More about FatWire" pane. **Default value:** `Analytics**http://www.fatwire.com/cs/Satellite/CSPage_US/SubPage/Products-Analytics.html`
`startmenu.NEW_ATTRIBUTE_EDITOR.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Attribute_Editor. **Default value:** `../images/en_US/scroller/Default_large.jpg`
`startmenu.NEW_COLLECTION.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Collection (system-defined). **Default value:** `../images/en_US/scroller/Collection_large.jpg`
`startmenu.NEW_CSELEMENT.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type CSElement (system-defined). **Default value:** `../images/en_US/scroller/CSElement_large.jpg`
`startmenu.NEW_DIMENSION.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Dimension (system-defined). **Default value:** `../images/en_US/scroller/Locale_large.jpg`
`startmenu.NEW_DIMENSIONSET.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Dimensionset (system-defined). **Default value:** `../images/en_US/scroller/Default_large.jpg`

Default Properties in `ui.properties`: **User Defined** Tab *(continued)*

Property	Description
`startmenu.NEW_HISTORY_ ATTRIBUTE.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type HistoryAttribute (system-defined). **Default value:** `../images/en_US/ scroller/HFields_large.jpg`
`startmenu.NEW_HISTORY_ DEFINITION.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type History_Definition (system-defined). **Default value:** `../images/en_US/ scroller/HistoryVals_large.jpg`
`startmenu.NEW_LINK.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Link (system-defined). **Default value:** `../images/en_US/ scroller/Linkset_large.jpg`
`startmenu.NEW_PAGE.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Page (system-defined). **Default value:** `../images/en_US/ scroller/Page_large.jpg`
`startmenu.NEW_PROMOTION. IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Promotion (system-defined). **Default value:** `../images/en_US/ scroller/Promotions_large.jpg`
`startmenu.NEW_QUERY.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Query (system-defined). **Default value:** `../images/en_US/ scroller/Query_large.jpg`
`startmenu.NEW_ RECOMMENDATION.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Recommendation (system-defined). **Default value:** `../images/en_US/ scroller/AdvCols_large.jpg`

Default Properties in `ui.properties`: **User Defined** Tab *(continued)*

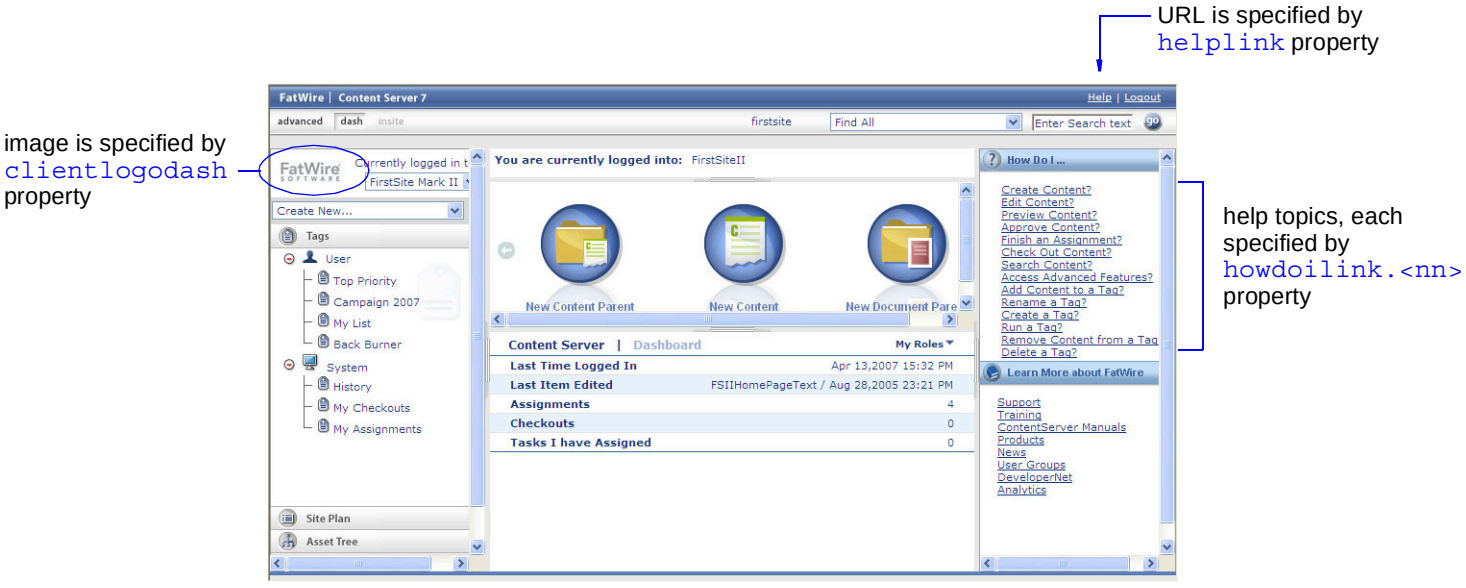
Property	Description
`startmenu.NEW_SEGMENT.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Segment (system-defined). **Default value:** `../images/en_US/scroller/Default_large.jpg`
`startmenu.NEW_SITEENTRY.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type SiteEntry (system-defined). **Default value:** `../images/en_US/scroller/SiteEntry_large.jpg`
`startmenu.NEW_TEMPLATE.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Template (system-defined). **Default value:** `../images/en_US/scroller/Template_large.jpg`
`startmenu.NEW_VISITOR_ATTRIBUTE.IMAGE`	Specifies an image file for display as a start menu icon, used to create assets of type Visitor_Attribute (system-defined). **Default value:** `../images/en_US/scroller/Default_large.jpg`

uiadmin.properties

The `uiadmin.properties` file is used to specify images and help links for display in Content Server's login page and dash interface.

Figure 2: Content Server's Login Page

Figure 3: Content Server's Dash Interface



Properties in the `uiadmin.properties` file are listed in the **User Defined** tab.

Properties in `uiadmin.properties`: **User Defined** Tab

Property	Description
`clientlogo`	Specifies an image file for display on Content Server's login page, at the location shown in Figure 2, on page 162. The image is stored in: `<CS_APP_Name>/images/en_US` **Legal value:** `<image_file_name>` (`.jpg` and `.gif` are recommended, although any browser-supported format is valid) **Default value:** `login_pane_left_client_logo.jpg`
`clientlogodash`	Specifies an image file for display in Content Server's dash interface, at the location shown in Figure 3, on page 162. The image is stored in: `<CS_APP_Name>/images/en_US` **Legal value:** `<image_file_name>` `.jpg` and `.gif` are recommended, although any browser-supported format is valid. **Default value:** `client_logo_dash.gif`
`forgotpassword`	Specifies the e-mail address that should receive notices from users regarding forgotten passwords. This property sets the e-mail address for the **Forgot your password** link on Content Server's login page (Figure 3, on page 162). **Legal value:** `<e-mail address>` **Default value:** `admin@fatwire.com`
`noaccount`	Specifies the e-mail address that should receive notices from users who require a Content Server account. This property sets the e-mail address for the **Don't have an account?** link on Content Server's login page (Figure 3, on page 162). **Legal value:** `<e-mail address>` **Default value:** `admin@fatwire.com`
`helplink`	Specifies a URL for the **Help** link in the upper right-hand corner of Content Server's dash interface (Figure 3, on page 162). **Legal value:** `<url>` **Default value:** `http://e-docs.fatwire.com/CSEE/7.0.0?cslocale=` (FatWire's Content Server documentation site)

Properties in `uiadmin.properties`: **User Defined** Tab *(continued)*

Property	Description
`howdoilink.<nn>`	Specifies the name of the help link (topic) and the file to which the link points. The help link is displayed in the "How do I ..." pane of Content Server's dash interface, as shown in Figure 3, on page 162. The 2-digit suffix (`<nn>`) determines the position of the help link in the list (01 at the top). **Legal value:** `<link_name>**../../resources/rightnav/en_US/<help_file_name>` **Example:** `Create Content?**../../resources/rightnav/en_US/AssetsCreating.pdf`

visitor.ini

The `visitor.ini` file is installed by Content Server; however, the properties in the file configure Engage rather than Content Server. The properties configure the visitor data collection and other features provided by Engage.

Properties in the `visitor.ini` file are organized by function on the following tabs:

- Visitor Data Tab
- User Defined Tab

visitor.ini: Visitor Data Tab

The **Visitor Data** tab holds the main properties in the file.

Properties in `visitor.ini`: **Visitor Data** Tab

Property	Description
`vis.adminrole`	Specifies the ACL that Engage users need in order to work with the visitor attribute, history attribute, history type, and recommendation asset types. **Default value:** `VisitorAdmin` Do **not** change the value of this property.
`vis.compileclasspath`	Specifies the classpath against which to compile the rules. This value is set during the installation and should not be changed after that point.
`vis.editrole`	Specifies the ACL that two kinds of Engage users need: • Content providers who use the CS system to create segments and promotions. • The visitors to your online site when you are using Engage to gather information about them for segments. **Default value:** `Visitor` Do **not** change the value of this property.
`vis.genclasspath`	Specifies the directory (including the final slash character) where rules-engine-generated class files for visitor data are stored. This value is set during the installation and should not be changed after that point.

Properties in `visitor.ini`: **Visitor Data** Tab *(continued)*

Property	Description
`vis.money`	Specifies the SQL string for defining fields that hold monetary values. Do **not** change the value of this property without consulting your database administrator.
`vis.path`	Specifies the directory that holds the `ruleset.dtd` file, which is usually the installation directory. This value is set during installation. Do **not** change the value of this property.
`vis.rulesetxmlpath`	Specifies the defdir (default storage directory) for the XML versions of the rule sets. This value is set during installation. Do **not** change the value of this property.
`vis.sessiondata`	Specifies the defdir (default storage directory) for storing visitor session data. This value is set during installation. Do **not** change the value of this property.
`vis.update`	Specifies whether every page access will update the visitor timestamp in the visitor data. **Possible values:** `true | false` Set to `true` if you want every page access to update the visitor timestamp in the visitor data; `false` otherwise. **Default value:** `true`
`vis.url`	Specifies the SQL string for defining visitor and history attributes of type URL. **Default value:** `VARCHAR(128)` Do **not** change the value of this property without consulting your database administrator.
`vis.urlpath`	Specifies the defdir for binary visitor and history attributes. **Default value:** `/futuretense/visurl/`

visitor.ini: User Defined Tab

Properties in `visitor.ini`: **User Defined** Tab

Property	Description

Note: This tab, by default, has no properties.

WL6.ini

The `WL6.ini` file contains properties that define the installation options that are chosen for Content Server during its installation on WebLogic.

Properties in the `WL6.ini` file are organized by function on the following tab:

- User Defined Tab

Caution

Do **not** change the values of any properties on this tab.

WL6Props.ini: User Defined Tab

Properties in `WL6Props.ini`: **User Defined** Tab

Property	Value
`Version`	`8`
`WebAppName`	`spark`
`WLApplicationDir`	`C:\bea\user_projects\applications\SparkApp\applications\spark`
`DomainName`	`portalDomain`
`RunningDefaultWebApp`	**Deprecated**. Used to specify an installation on a managed node. This functionality is not supported in WebLogic versions higher than 9.2. `Variables.bRunningDefaultWebApp`
`WLDomainDir`	`C:\bea\user_projects\applications\SparkApp`
`ContextRoot`	`/spark/`
`ServerName`	**Deprecated**. `Variables.CSInstallWLServerName`
`PoolName`	**Deprecated**. `Variables.CSInstallPoolName`

xmles.ini

The `xmles.ini` file configures the CS-Bridge XML module that is installed as part of the core Content Server product.

Properties in the `xmles.ini` file are organized by function on the following tabs:

- General Properties Tab
- Parsing Tab
- Inbound Handlers Tab
- User Defined Tab

xmles.ini: General Properties Tab

Properties in `xmles.ini`: **General Properties** Tab

Property	Description
`wc.icUploadDir`	Specifies the path to the base directory where all CS-Bridge XML documents entered in the InBound, OutBound and DTD catalogs are stored. **Default value:** `c:/FutureTense`

xmles.ini: Parsing Tab

Properties in `xmles.ini`: **Parsing** Tab

Property	Description
`wc.enableCacheRet`	Specifies whether or not the DTD should be returned from the cache if the remote system is down. **Default value:** `true` Set to `false` if you want the default parser behavior instead.
`wc.validate`	Specifies whether an incoming document must specify a grammar. When set to `false`, the incoming document must be well-formed XML only (no grammar is required). **Default value:** `false`

xmles.ini: Inbound Handlers Tab

Properties in `xmles.ini`: **Inbound Handlers** Tab

Property	Description
`InboundHandler0, InboundHanlder1, …`	The class that implements the inbound handler. Handlers are invoked in order, starting with `InboundHandler0`. **Default value:** `com.openmarket.xmles.handlers.HTTPPostHandler.`
`numHandlers`	Specifies the number of inbound handlers to be configured. This value also specifies how many `InboundHandler` properties appear on this tab (the **Inbound Handlers** tab). If you set this value to 2, there are two additional properties on the tab, one for each handler, named `InboundHander0` and `InboundHandler1`. **Possible values:** integer greater than `0`

xmles.ini: User Defined Tab

Properties in `xmles.ini`: **User Defined** Tab

Property	Description
Note: This tab, by default, has no properties.	

Part 2

Content Server Applications

This part lists the property files that are used by FatWire Analytics, and the Content Server applications Engage, and Satellite Server.

This part contains the following sections:

Analytics Properties

FatWire Analytics requires that several properties in the `futuretense_xcel.ini` property file be set after Analytics is installed. These properties are described in "Analytics Tab" on page 100.

Engage Property Files

Engage installs one property file, named `ms.ini`, which holds only the `ms.enable` property.

ms.ini

Properties in `ms.ini`

Property	Description
`ms.enable`	Set to `true` when Engage is installed and enabled.

Note

Engage configuration properties are located in the Content Server property file named `visitor ini` (page 165).

Satellite Server Property Files

When you install Satellite Server as a stand-alone application on a remote server, two property files are present on that server:

- satellite.properties
- resin.conf

For information about the properties in `satellite.properties`, see "satellite.properties" on page 141.

For information about the properties in `resin.conf`, refer to your Resin documentation.

Part 3

Third-Party Libraries and Applications

This part contains information about third-party libraries, as well as applications, and how Content Server integrates with them.

This part contains the following sections:

HTTP Client Access

This section describes the Apache Commons HttpClient library and how Content Server integrates with this library.

Apache Commons HttpClient

Content Server uses Apache Commons HttpClient as the underlying library for all HTTP access. As of version 3, HttpClient supports the parameters that are posted at: `http://jakarta.apache.org/commons/httpclient/preference-api.html`

The parameters function as follows:

- HttpClient parameters change the runtime behavior of HttpClient components. For example, if you want the `Post` operation to have a timeout that differs from the default, you can call `PostMethod.getParams().setParam("timeout", 1000)` before executing it.
- HttpClient parameters can be hierarchically linked. In top-down order, the levels of the hierarchy are: global, client, host, and method. Values that are set for parameters at higher levels are overridden by the values of equivalent parameters at lower levels.

Despite its flexibility, HttpClient has a limitation; that is—parameters can be set only programmatically. No configuration file can be written where parameter values can be specified by users or automatically retrieved by the library. The Content Server integration, however, overcomes this limitation as explained in the next section "Integration with Content Server."

Note

This release of Content Server uses the parameters that are posted at `http://jakarta.apache.org/commons/httpclient/preference-api.html` **at the time of this writing (September 2005)**. The parameters are listed in the table "HttpClient Parameters," on page 179, along with descriptions (duplicated from the site named above). Changes to parameters and their functionality as defined by HttpClient are not automatically supported.

Integration with Content Server

Content Server abstracts HttpClient functionality by allowing Content Server users to create user-configurable property files. After creating the files, users populate them with the required HttpClient parameters (that is, parameters whose values differ from the default values), and place the property files into the classpath. Content Server loads the property files from the classpath and parses the parameters according to a predefined syntax (shown in the table "HttpClient Parameters," on page 179). The HttpAccess API retrieves the parameters and applies them at runtime.

Content Server supports a parameter hierarchy whose levels correspond directly to the levels that are defined in the HttpAccess Java API (provided in *Content Server Java Docs*). For each level, one or more property files can be created (depending on the

implementation) and populated with ***any combination*** of HttpClient parameters. The levels and property file naming conventions are given below:

Note

The property files must be created as text files, outside Content Server's Property Editor. Property file names are case sensitive and must be in lower case throughout.

- **HttpAccess (level 1)**

  Property File: `httpaccess.properties`

  The user specifies parameters and their values in the `httpaccess.properties` file. This file is applied to all HttpAccess instances that are created.

  Overrides: Parameter values at the HttpAccess level are overridden by the values of equivalent parameters at levels 2, 3, and 4 (described below).

- **HostConfig (level 2)**

  Property File: `<protocol>-<hostname>-<port number>.properties`

  The user specifies host-specific parameters in each property file. For example, for a host named `targetserver` accessible at port 7001, the property file would be named `http-targetserver-7001.properties` and would contain HttpClient parameters specific to that host.

  Overrides: Parameter values at the HostConfig level override the values of equivalent parameters at the HttpAccess level.

- **Request (level 3)**

  Property File: `<request type>.properties`
  where `<request type>` takes one of the following values: `post`, `get`, or `login`.

  The user specifies parameters specific to a Request. For example, `post.properties` specifies HttpClient parameters applicable to instances of `post`.

  Overrides: Parameter values at the Request level override the values of equivalent parameters at the HttpAccess and HostConfig levels.

- **Per host, per Request (level 4)**

  Property File: `<request type>-<protocol>-<host name>-<port number>.properties`
  where `<request type>` takes one of the following values: `post`, `get`, or `login`.

  Parameters in this property file function as Request level parameters. However, they apply to a specific host.

Overrides: Parameter values specified at the “Per host, per Request” level override the values of equivalent parameters at the HttpAccess, HostConfig, and Request levels *for that particular host*.

The following example illustrates how an override takes effect from the “Per Host, Per Request” level. In this example, a user defines a property file named `login-http-m2-7002.properties`, where she specifies an `http.connection.timeout` of 100 seconds. The timeout applies strictly to the host machine named `m2` and port 7002. The timeout value overrides all timeout values that might be specified for m2 at higher levels. For all other host machines, the timeout values remain unaffected.

As previously mentioned, Content Server supports all parameters defined by HttpClient in an externally configurable way. Furthermore, Content Server extends HttpClient functionality by enabling users to configure parameters externally and facilitating the specification of parameters at the fourth level (per host, per request).

In addition to all the parameters supported by HttpClient, Content Server's HttpAccess API defines a configuration property `cs.SecureProtocolSocketFactory` in `httpaccess.properties`. This property specifies the protocol socket factory to be used for SSL (Secure Socket Layer) connections. Three implementations are available at `http://jakarta.apache.org/commons/httpclient/sslguide.html`. Note that if you want to use SSL to connect to a host using self-signed certificates, you must configure the following:

```
cs.SecureProtocolSocketFactory=org.apache.commons.httpclient.
  contrib.ssl.EasySSLProtocolSocketFactory
```

Content Server does not provide this `EasySSLProtocolSocketFactory` class. You can obtain this class at `http://jakarta.apache.org/commons/httpclient/sslguide.html`. Make sure to build it differently for Sun and IBM JDKs, as the Apache implementation (at the link directly above) is Sun-specific. Alternatively you can write your own Socket factory implementation based on HttpClient documentation.

Note that there are two levels—connection manager and connection—in the HttpClient hierarchy for which parameters cannot be explicitly set, as the HttpAccess API does not directly support them. However, this does not mean users cannot configure those parameters; the parameters can be specified at a lower or higher corresponding level in the HttpAccess API.

Implementation

How does the Content Server user configure Content Server for http access? The user simply creates property files with appropriate names and places them in the classpath. The infrastructure will retrieve and use them. This seems like a good deal of work, especially given the number of parameters. However, by default, no properties or property files need to be created. All defaults will be used, and HttpClient takes the “best guess” values, which are usually the best settings for the given system. In 95% of the cases, “best guess” values are sufficient and users need not create any property files.

In the rare cases when one needs parameter values other than defaults, the Content Server infrastructure makes it possible to implement them by allowing the user to specify configuration in property files. This gives the user the full range of configuration capabilities that HttpClient itself is built upon.

HTTPClient Parameters and Content Server Properties

The table in this section describes the parameters that are supported by Apache Commons HttpClient in September 2005. Descriptions in the table are duplicated from the following site:

`http://jakarta.apache.org/commons/httpclient/preference-api.html`

Syntax and default values are defined by FatWire, as they are specific to Content Server. Where syntax is straightforward, the "Syntax" field in the table below is left blank.

Note that changes to the parameters and their functionality are not automatically supported. Information in the table below is valid until FatWire issues an update.

In addition to supporting HttpClient parameters, Content Server defines the following property:

Property: `cs.SecureProtocolSocketFactory`

Usage: applicable only to the `httpaccess.properties` file

Description: defines the class used opening SSL Socket connections

Default: empty. The system will use the JSSE-based default implementation of HttpClient. Details are available at: `http://jakarta.apache.org/commons/httpclient/sslguide.html`

HttpClient Parameters

Name	Description
`http.authentication.preemptive`	Defines whether authentication should be attempted preemptively. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.connection.stalecheck`	Determines whether stale connection check is to be used. Disabling stale connection check may result in slight performance improvement at the risk of getting an I/O error when executing a request over a connection that has been closed at the server side. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.connection.timeout`	The timeout until a connection is established. A value of zero means the timeout is not used. **Type:** Integer **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description
`http.connection-manager.class`	The default HTTP connection manager class. **Type:** Class **Syntax:** Fully qualified classname **Default value:** `SimpleHttpConnectionManager class`
`http.connection-manager.max-per-host`	Defines the maximum number of connections allowed per host configuration. These values only apply to the number of connections from a particular instance of HttpConnectionManager. This parameter expects a value of type `Map`. The value should map instances of HostConfiguration to `Integer s`. The default value can be specified using `ANY_HOST_CONFIGURATION`. **Type:** Map **Syntax:** Specify `${<host>;<port>;<protocol>; <max connections>}` **Default value:** `<undefined>`
`http.connection-manager.max-total`	Defines the maximum number of connections allowed overall. This value only applies to the number of connections from a particular instance of HttpConnectionManager. **Type:** Integer **Syntax:** **Default value:** `<undefined>`
`http.connection-manager.timeout`	The timeout in milliseconds used when retrieving an HTTP connection from the HTTP connection manager. **Type:** Long **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description

`http.dateparser.patterns`	Date patterns used for parsing. The patterns are stored in a Collection and must be compatible with SimpleDateFormat.
	
	Type: Collection
	
	Syntax: Specify the collection with each element enclosed in `${<element>}`. e.g., `${EEE, dd-MMM-yyyy HH-mm-ss z}${EEE, dd MMM yy HH:mm:ss z}`
	
	Default value:
	`EEE, dd MMM yyyy HH:mm:ss zzz`
	`EEEE, dd-MMM-yy HH:mm:ss zzz`
	`EEE MMM d HH:mm:ss yyyy`
	`EEE, dd-MMM-yyyy HH:mm:ss z`
	`EEE, dd-MMM-yyyy HH-mm-ss z`
	`EEE, dd MMM yy HH:mm:ss z`
	`EEE dd-MMM-yyyy H:mm:ss z`
	`EEE dd MMM yyyy HH:mm:ss z`
	`EEE dd-MMM-yyyy HH-mm-ss z`
	`EEE dd-MMM-yy HH:mm:ss z`
	`EEE dd MMM yy HH:mm:ss z`
	`EEE,dd-MMM-yy HH:mm:ss z`
	`EEE,dd-MMM-yyyy HH:mm:ss z`
	`EEE, dd-MM-yyyy HH:mm:ss z`

`http.default-headers`	The request headers to be sent per default with each request. This parameter expects a value of type Collection. The collection is expected to contain HTTP headers. **Type:** Collection **Syntax:** Specify each header in `${name=<header name>; value=<header value>}` **Default value:** `<undefined>`
`http.method.multipart.boundary`	The multipart boundary string to use in conjunction with the MultipartRequestEntity. When not set a random value will be generated for each request. **Type:** String **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description
`http.method. response.buffer. warnlimit`	The maximum buffered response size (in bytes) that triggers no warning. Buffered responses exceeding this size will trigger a warning in the log. If not set, the limit is 1 MB. **Type:** Integer **Syntax:** **Default value:** `<undefined>`
`http.method.retry- handler`	The method retry handler used for retrying failed methods. For details see the Exception handling guide. **Type:** HttpMethodRetryHandler **Syntax:** Fully qualified classname **Default value:** `default implementation`
`http.protocol.allow- circular-redirects`	Defines whether circular redirects (redirects to the same location) should be allowed. The HTTP spec is not sufficiently clear whether circular redirects are permitted, therefore optionally they can be enabled. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.protocol. content-charset`	The charset to be used for encoding content body. **Type:** String **Syntax:** **Default value:** `ISO-8859-1`
`http.protocol. cookie-policy`	The cookie policy to be used for cookie management. **Type:** String **Syntax:** **Default value:** `CookiePolicy.RFC_2109`
`http.protocol. credential-charset`	The charset to be used when encoding credentials. If not defined then the value of the http.protocol. element-charset should be used. **Type:** String **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description
`http.protocol. element-charset`	The charset to be used for encoding/decoding HTTP protocol elements (status line and headers). **Type:** String **Syntax:** **Default value:** `US-ASCII`
`http.protocol. expect-continue`	Activates “Expect: 100-Continue” handshake for the entity enclosing methods. The “Expect: 100-Continue” handshake allows a client that is sending a request message with a request body to determine if the origin server is willing to accept the request (based on the request headers) before the client sends the request body. The use of the “Expect: 100-continue” handshake can result in noticeable performance improvement for entity enclosing requests (such as POST and PUT) that require the target server's authentication. “Expect: 100-continue” handshake should be used with caution, as it may cause problems with HTTP servers and proxies that do not support HTTP/1.1 protocol. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.protocol. head-body-timeout`	Sets period of time in milliseconds to wait for a content body sent in response to HEAD response from a non-compliant server. If the parameter is not set or set to `-1` non-compliant response body check is disabled. **Type:** Integer **Syntax:** **Default value:** `<undefined>`
`http.protocol.max- redirects`	Defines the maximum number of redirects to be followed. The limit on number of redirects is intended to prevent infinite loops. **Type:** Integer **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description
`http.protocol.reject-head-body`	Defines whether the content body sent in response to `HEAD` request should be rejected. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.protocol.reject-relative-redirect`	Defines whether relative redirects should be rejected. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.protocol.single-cookie-header`	Defines whether cookies should be put on a single response header. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.protocol.status-line-garbage-limit`	Defines the maximum number of ignorable lines before we expect a HTTP response's status code. With HTTP/1.1 persistent connections, the problem arises that broken scripts could return a wrong Content-Length (there are more bytes sent than specified). Unfortunately, in some cases, this is not possible after the bad response, but only before the next one. So, HttpClient must be able to skip those surplus lines this way. Set this to 0 to disallow any garbage/empty lines before the status line. To specify no limit, use `Integer.MAX_VALUE`. **Type:** Integer **Syntax:** **Default value:** `<undefined>`
`http.protocol.strict-transfer-encoding`	Defines whether responses with an invalid Transfer-Encoding header should be rejected. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description
`http.protocol.unambiguous-statusline`	Defines whether HTTP methods should reject ambiguous HTTP status line. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.protocol.version`	The HTTP protocol version used per default by the HTTP methods. **Type:** HttpVersion **Syntax:** `<(int)major>.<(int)minor>`; e.g., 1.1 **Default value:** `HttpVersion_1_1`
`http.protocol.warn-extra-input`	Defines HttpClient's behavior when a response provides more bytes than expected (specified with Content-Length header, for example). Such surplus data makes the HTTP connection unreliable for keep-alive requests, as malicious response data (faked headers etc.) can lead to undesired results on the next request using that connection. If this parameter is set to true, any detection of extra input data will generate a warning in the log. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.socket.linger`	The linger time (`SO_LINGER`) in seconds. This option disables/enables immediate return from a close() of a TCP Socket. Enabling this option with a non-zero Integer timeout means that a close() will block pending the transmission and acknowledgement of all data written to the peer, at which point the socket is closed gracefully. Value `0` implies that the option is disabled. Value `-1` implies that the JRE default is used. **Type:** Integer **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description
`http.socket.receivebuffer`	The value to set on `Socket.setReceiveBufferSize(int)`. This value is a suggestion to the kernel from the application about the size of buffers to use for the data to be received over the socket. **Type:** Integer **Syntax:** **Default value:** `<undefined>`
`http.socket.sendbuffer`	The value to set on `Socket.setSendBufferSize(int)`. This value is a suggestion to the kernel from the application about the size of buffers to use for the data to be sent over the socket. **Type:** Integer **Syntax:** **Default value:** `<undefined>`
`http.socket.timeout`	Sets the socket timeout (`SO_TIMEOUT`) in milliseconds to be used when executing the method. A timeout value of zero is interpreted as an infinite timeout. **Type:** Integer **Syntax:** **Default value:** `<undefined>`
`http.socket.timeout`	The default socket timeout (`SO_TIMEOUT`) in milliseconds which is the timeout for waiting for data. A timeout value of zero is interpreted as an infinite timeout. This value is used when no socket timeout is set in the HTTP method parameters. **Type:** Integer **Syntax:** **Default value:** `<undefined>`

HttpClient Parameters *(continued)*

Name	Description
`http.tcp.nodelay`	Determines whether Nagle's algorithm is to be used. The Nagle's algorithm tries to conserve bandwidth by minimizing the number of segments that are sent. When applications wish to decrease network latency and increase performance, they can disable Nagle's algorithm (by enabling `TCP_NODELAY`). Data will be sent earlier, at the cost of an increase in bandwidth consumption. **Type:** Boolean **Syntax:** **Default value:** `<undefined>`
`http.useragent`	The content of the User-Agent header used by the HTTP methods. **Type:** String **Syntax:** **Default value:** `<Official release name>` e.g., `Jakarta Commons-HttpClient/3.0`

KeyView Property Files

The fw_htmltemplate.ini property file controls the behavior of Keyview's HTML export functionality. This property file is stored in the directory that is specified by the keyview.inidir property, in futuretense_xcel.ini.

fw_htmltemplate.ini

Properties in fwhtmltemplate.ini are organized by function on the following tab:

- User Defined Tab

fw_htmltemplate.ini: User Defined Tab

Properties in fw_htmltemplate.ini: **User Defined** Tab

Property	Description
szMainTop	Markup and tokens to output at the start of the main HTML file that is created during document conversion. Most of the template files feature <meta> tags with tokens that store the input document's metadata. This parameter should contain at least the <html> tag. For frames-style HTML output, this parameter **must** include the <frame> tag.
szMainBottom	Markup and tokens to output at the end of the main HTML file that is created during document conversion. This parameter should at least contain the </html> tag.
szFirstH1Start	Markup and HTML Export tokens to output at the beginning of the first H1 HTML block created; that is, the block associated with the first H1 table of contents entry.
szFirstH1End	Markup and HTML Export tokens to output at the end of the first H1 HTML block created, that is, the block associated with the first H1 table of contents entry.
szMiddleH1Start	Markup and HTML Export tokens to output at the beginning of those H1 HTML blocks that are neither the first nor the last H1 blocks created, that is, blocks that are associated with all but the first and last H1 table of contents entry.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`szMiddleH1End`	Markup and HTML Export tokens to output at the end of those H1 HTML blocks that are neither the first nor the last H1 blocks created, that is, blocks that are associated with all but the first and last H1 table of contents entry.
`szLastH1Start`	Markup and HTML Export tokens to output at the beginning of the last H1 HTML block created, that is, the block associated with the last H1 table of contents entry.
`szLastH1End`	Markup and HTML Export tokens to output at the end of the last H1 HTML block created, that is, the block associated with the last H1 table of contents entry.
`szH`***`n`***`HTML` (***n*** can be `2` through `6`)	Markup and HTML Export tokens to output in an HTML block for heading levels 2 through 6.
`szTOCH`***`n`***`Start` (***n*** can be `1` through `6`)	Markup and HTML Export tokens to output at the beginning of a table of contents block for heading levels 1 through 6 TOC entries. For example: `<ol type=I>`
`szTOC_H`***`n`*** (***n*** can be `1` through `6`)	Markup and HTML Export tokens required to process the table of contents entries for heading levels 1 through 6. For example: `<a href="$ANCHOR" target="right">$TOCTE</a>`
`szTOCH`***`n`***`LeafNode` (***n*** can be `1` through `6`)	Markup that replaces `szTOC_Hn` entries for leaf nodes in the table of contents. A leaf node is a node that has no children.
`szTOCH`***`n`***`End` (***n*** can be `1` through `6`)	Markup and HTML Export tokens to output at the end of a table of contents block for heading levels 1 through 6 TOC entries. An example of `szTOCHnEnd` would be `</ol>`.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`szXFile`	Markup and HTML Export tokens that are generated and placed in an extra HTML file. This file holds content from the source document (for example, a separate file containing `$TOC` that may be displayed within an HTML frame). To process this file use the `$XANCHOR` token. For example, if the extra file is to contain the table of contents in frame-based HTML, set `szXFile=$TOC` and place the following HTML markup in the `szMainTop` element: `<frame src="$XANCHOR" name="left" scrolling="auto" target="right">`
`szStartBlock`	Markup and tokens to be output at the beginning of each HTML block generated by the `$XANCHOR` token. If either this parameter or `szXEndBlock` is defined, both `szStartBlock` and `szEndBlock` are ignored.
`szEndBlock`	Markup and tokens to be output at the end of each HTML block generated by the `$XANCHOR` token. If either this parameter or `szXStartBlock` is defined, both `szStartBlock` and `szEndBlock` are ignored.
`bPutBlocksIn SeparateFiles`	Set to `TRUE` to create a separate HTML file for each heading level 1 block. Each new block uses the markup defined in `szStartBlock` and `szEndBlock`. If set to `FALSE`, then each heading level 1 block is placed sequentially in the same file, after the initial markup is written.
`bHardPageMakesNewBlock`	Set to `TRUE` to have hard page breaks in the source document generate new HTML files during the conversion process. `szchunktemplate` provides the appropriate table of contents entry for the new block. Applies to word processing documents and spreadsheets only.
`lcbBlockSize`	The maximum size (in bytes) of heading level 1 HTML output files. This number is used as a guideline and may be exceeded to break content at a logical location (for example, a row boundary).

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`szChunkTemplate`	If an H1 HTML block is subdivided into separate files as a result of the size limitations specified in `lcbBlockSize`, `szChunkTemplate` provides a template for creating a table of contents entry for the new file. The chunk number can be made a part of this template by inserting the token `$SPLITBLOCKNUMBER` (for example, `Page $SPLITBLOCKNUMBER`).
`szTableHTML`	Specifies the markup (no tokens) output at the beginning of each table created during the HTML conversion process. If this is set, table cell color and border information from the document is ignored. This is used in conjunction with `bTableHTMLForSpreadsheetOnly` to control the look of generated spreadsheets. For example, to set the tables to be centered, colored, and with big borders, use: `szTableHTML=<table bgcolor="teal" border="13" align="center">`
`bTableHTMLFor SpreadsheetOnly`	Set to `TRUE` to control how spreadsheets are displayed in the HTML output. If set to `FALSE`, cell color and border information from the source document is used. Use this parameter in conjunction with `szTableHTML`.
`szUserSummary`	Markup and tokens that are generated when the tokens `$USERSUMMARY`, `$SUMMARY`, or `$SUMMARYNN` are used. An example might be: `<meta title="$SUMMARY01" author="$SUMMARY03"/>`
`OutputCharSet`	The character set to use for textual output if the document character set cannot be determined from the document, and the input character set is not specified by `eSrcCharSet`. To ensure the source character set defined here is used, you must set `bForceOutputCharSet` to `TRUE`. The character sets that are available are enumerated in `KVCharSet` in `kvtypes.h`.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bUseDocumentColors`	Set to `TRUE` to retain the color attributes information contained in the source document. If set to `FALSE`, no color attributes appear in the `<font>` tags of the HTML output.
`bUseDocumentFontInfo`	Set to `TRUE` to retain the font information contained in the source document. If set to `FALSE`, no font information appears in the `<font>` tags in the HTML output.
`bSupportFontFace`	Set to `TRUE` to retain the font face information contained in the source document. If set to `FALSE`, no `FACE` attributes appear in the `<font>` tags of the HTML output.
`bSupportUserFontSize Mapping`	Set to `TRUE` to use the font sizes specified in the `FontSizeMap`. If set to `FALSE`, HTML Export uses default `SIZE` attributes.
`FontSizeMap`	The font sizes to which the HTML tags `<font size=1>` through `<font size=7>` correspond. If `bSupportUserFontSizeMapping` is set to `FALSE`, this parameter can be left blank. The values in `FontSizeMap` indicate the range for the HTML tag `<font size=#>`. For example, if you specify 6, 9, 12, 18, 21, 24, and 28, then: • Font size 6 in the source document is mapped to `<font size=1>` in the output HTML • Font size 9 in the source document is mapped to `<font size=2>` in the output HTML • Font size 12 in the source document is mapped to `<font size=3>` in the output HTML and so on, up to `<font size=7>`. When the HTML output is viewed, the browser maps `<font size=#>` to a specific font size. The default font sizes are 8, 10, 12, 14, 18, 24, and 36.
`bDisplayRelativeFontSize`	Set to `TRUE` to use relative font size tags in the HTML output. For example, the tag `<font size=+1>` adds 1 to the base font size, which is normally 3.
`bSupportRFC1942_cols`	Set to `TRUE` to include `cols=x` specifications in the `<table>` tags of the HTML output markup.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bNbspEmptyCells`	Set to `TRUE` to include a non-breaking space in the markup for empty table cells in the source document (`<td> </td>`). If this is set to `FALSE`, `<td></td>` is generated for empty table cells. Applies to word processing documents and spreadsheets only.
`SATableBorder`	Specifies whether table borders in the HTML output are based on the setting in the source document, are always on, or are always off. The options are enumerated in `ENSATableBorder` of `kvtypes.h`. Applies to word processing documents only.
`nTableBorderWidth`	Sets the width of the table border in pixels. Applies to word processing documents only.
`szBaseURL`	The base URL that replaces the `$BASE` token in the HTML output.
`szMainURL`	The URL that replaces the `$MAINURL` token in the HTML output.
`szDefaultOutput Directory`	The default output directory for auxiliary files that are created. **Default value:** `<CS_deployment_directory>`
`szPicPath`	The output directory for picture files created during the conversion. If specified, this parameter can also be used by the callback functions `KVHTMLGetAnchorEx` and `KVHTMLGetAuxOutputEx`. Applies to word processing documents only. **Default value:** `<CS_deployment_directory>`
`szPicURL`	The URL of the picture files created from embedded graphics in the source document. Applies to word processing documents only.
`szJavaURL`	The URL where the Java rasterizer (`kvvector.jar`) is located. Applies to word processing documents only.
`bRemoveFileNameSpaces`	Set to `TRUE` to remove spreadsheet columns that do not contain data and to disable cell merge. Applies to spreadsheets only. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bRasterizeFiles`	Set to `TRUE` to rasterize slides from presentations into single images. For this setting to take effect, the property `bNoPictures` must also be set to `FALSE`. The format the images are converted to is determined by the property `OutputRasterGraphicType`. Set to `FALSE` to convert the text in slides to HTML. When this property is set to `FALSE`, images do not appear in the HTML output. **Possible values:** `TRUE` | `FALSE`
`OutputRasterGraphicType`	The output format of rasterized embedded graphics. There are six options enumerated in `KVHTMLGraphicType in kvhtml.h`. **Default value:** `JPEG`
`OutputVectorGraphicType`	The output format of vector graphics. The options are enumerated in `KVHTMLGraphicType` in `kvhtml.h`. **Default value:** `JPEG`

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description

`cxVectorToRasterXRes`	Controls the X resolution (width in pixels) at which presentations and graphics are converted.
	The default value is 0, which means HTML Export retains the presentation's or graphic's original resolution.
	This is set in conjunction with `cyVectorToRasterYRes`. You can specify the resolution in one of two ways:
	• As a proportion of the original resolution
	• As a specified number of pixels
	To set the resolution proportionally:
	1. Set `cxVectorToRasterXRes` to a percentage of the original resolution. For example, the following setting converts the graphic at 50 percent of the original resolution:
	`cxVectorToRasterXRes=-50`
	The following setting converts the graphic at 200 percent of the original resolution:
	`cxVectorToRasterXRes=-200`
	2. `cyVectorToRasterYRes` must be set to zero. The Y resolution is automatically adjusted to maintain the aspect ratio. If both `cxVectorToRasterXRes` and `cyVectorToRasterYRes` are set to a percentage, `cyVectorToRasterYRes` defaults to zero during the conversion.
	To set the resolution in pixels:
	Set either `cxVectorToRasterXRes` or `cyVectorToRasterYRes` to the number of pixels.
	For example:
	`cxVectorToRasterXRes=0`
	`cyVextorToRasterYRes=1500`
	The property that is set to zero is automatically adjusted to maintain the aspect ratio. Only one property should be set to the number of pixels. The other property should be set to zero.
	The maximum resolution is 4000 pixels.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description

`cyVectorToRasterYRes`	Controls the Y resolution (height in pixels) at which presentations and graphics are converted.
	The default value is 0, which means HTML Export retains the presentation's or graphic's original resolution.
	This is set in conjunction with `cxVectorToRasterXRes`. You can specify the resolution in one of two ways:
	• As a proportion of the original resolution
	• As a specified number of pixels
	To set the resolution proportionally:
	1. Set `cxVectorToRasterXRes` to a percentage of the original resolution. For example, the following setting converts the graphic at 50 percent of the original resolution:
	`cxVectorToRasterXRes=-50`
	The following setting converts the graphic at 200 percent of the original resolution:
	`cxVectorToRasterXRes=-200`
	2. `cyVectorToRasterYRes` must be set to zero. The Y resolution is automatically adjusted to maintain the aspect ratio. If both `cxVectorToRasterXRes` and `cyVectorToRasterYRes` are set to a percentage, `cyVectorToRasterYRes` defaults to zero during the conversion.
	To set the resolution in pixels:
	Set either `cxVectorToRasterXRes` or `cyVectorToRasterYRes` to the number of pixels.
	For example:
	`cxVectorToRasterXRes=0`
	`cyVextorToRasterYRes=1500`
	The property that is set to zero is automatically adjusted to maintain the aspect ratio. Only one property should be set to the number of pixels. The other property should be set to zero.
	The maximum resolution is 4000 pixels.

`bGenerateURLs`	Set to `TRUE` to add anchor tags (`<a ...></a>`) to text starting with `www`, `http:` or `file:` Applies to word processing documents only. **Possible values:** `TRUE` | `FALSE`

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`lcbMaxMemUsage`	The maximum memory allocated dynamically for token buffers during file processing. If this maximum is reached, Export performs a swap-to-disk operation internally, and then reuses the memory blocks. Export maintains an internal minimum memory size. Applies to word processing documents only. **Default value:** `LONG_MAX` (The unit is in bytes.)
`bSupportColumnHeadings`	Set to `TRUE` to include column headings from the source spreadsheet in the HTML output. Applies to spreadsheets only. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`
`bSupportRowHeadings`	Set to `TRUE` to include row headings from the source spreadsheet in the HTML output. Applies to spreadsheets only. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`
`bSupportCellSpan`	Set to `TRUE` to include `colspan="n"` markup in the output. If text in the source document spans across empty columns, and `bSupportCellSpan` is enabled, the text is output across columns in the HTML. If this option is disabled, text that spans across columns is output in a single cell. Applies to spreadsheets only. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`
`bSupportRowSpan`	Set to `TRUE` to include row span data from the source spreadsheet in the HTML output. Applies to spreadsheets only. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`
`bSupportColumnWidth`	Set to `TRUE` to include column width data from the source spreadsheet in the HTML output. Applies to spreadsheets only. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bRemoveEmptyColumns`	Set to `TRUE` to remove spreadsheet columns that do not contain data and to disable cell merge. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`
`nRowsBeforeSplit`	The approximate number of spreadsheet rows to be processed before splitting a table. This helps to prevent large spreadsheet tables from occurring in a single document, which can cause speed and processing problems for the browser. Applies to spreadsheets only.
`OutputLanguageID`	The language for the textual output of language-specific data like time and date. Note that `OutputLanguageID` must be in the system locale. If `OutputLanguageID` is invalid or not supplied, the system default is used. Language IDs are enumerated in `KVLanguageID` in `kvtypes.h`.
`eStyleSheetType`	One of the three enumerated options for processing style sheet information. • To disable style sheet formatting, set this to `STYLESHEET_DISABLED` • To enable Cascading Style Sheet (CSS) formatting and output the generated formatting data within the HTML output stream, set this to `CSS_INLINE`. • To enable CSS formatting and output the generated formatting data in an external CSS file referenced in the HTML output as a tag, set this to `CSS_TOFILE`.
`bTabsToTables`	Set to `TRUE` to convert tabbed columns to tables. Applies to word processing documents only. **Possible values:** `TRUE` | `FALSE`
`bForceSrcCharSet`	Set to `TRUE` to use the source character set specified in `eSrcCharSet`, regardless of the internal document information. Note that forcing a character set to `KVCS_UNKNOWN` is always ignored. **Possible values:** `TRUE` | `FALSE`

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bForceOutputCharSet`	Set to `TRUE` to use the output character set specified in `OutputCharSet`, regardless of the internal document information or the source character set specified by `eSrcCharSet`. Note that forcing a character set to `KVCS_UNKNOWN` is always ignored. **Possible values:** `TRUE` | `FALSE`
`bEnableEmptyRows`	Set to `TRUE` to display empty rows in a spreadsheet format. If set to `FALSE`, empty rows are not displayed. This only applies to 20 or more consecutive empty rows. Applies to spreadsheets only. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE`
`cReplaceChar`	The character used when a character in the source document's character set cannot be mapped to the output character set. **Default value:** `? (question mark)`
`cRedact`	The character used to replace tagged text designated through style mapping to be omitted from the HTML output. This functionality is useful when you need to hide confidential or sensitive information. **Default value:** `X`
`eSrcCharSet`	Specifies the source character set if the reader for the document type cannot determine the character set. To ensure the source character set defined here is used, you may have to set `bForceSrcCharSet` to `TRUE`. The character sets that are available are enumerated in `KVCharSet` of `kvtypes.h`.
`nCompressionQuality`	Controls the output quality of graphics that support compression quality (for example, JPEG). A value of 0 means default quality (85 compression), 1 is the lowest quality (highest compression and therefore smallest file size) and 100 is the highest quality (no compression and therefore largest file size). Applies to word processing documents only.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bNoPictures`	Set to `TRUE` to generate verbose markup only. Embedded graphics are not generated as separate files, and image tags are not included in the output. If this is set to `FALSE`, embedded graphics in a document are regenerated as separate files, stored in the output directory, and image tags are included in the output. To output graphics for presentations, `bNoPictures` must be set to `FALSE` and `bRasterizeFiles` must be set to `TRUE`. **Possible values:** `TRUE` | `FALSE`
`minParaLen`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. It specifies the minimum number of characters that text in the source document can contain in order for HTML Export to consider converting it to a heading. **Default value:** `3` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`. Applies to word processing documents only.
`maxParaLen`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. It specifies the maximum number of characters that text in the source document can contain in order for HTML Export to consider converting it to a heading. **Default value:** `80` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`. Applies to word processing documents only.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`fontSizeMin`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. It specifies the minimum font size that text in the source document can be in order for HTML Export to consider converting it to a heading. **Default value:** `14` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.
`fontSizeMax`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. It specifies the maximum font size that text in the source document can be in order for HTML Export to consider converting it to a heading. **Default value:** `20 (for heading level 1)` **Default value:** `14 (for heading levels 2 to 6)` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.
`bMustBeBold`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. If set to `TRUE`, the text in the source document must be bold in order for HTML Export to consider converting it to a heading. **Possible values:** `TRUE | FALSE` **Default value:** `TRUE` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bMustBeItalic`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. If set to `TRUE`, the text in the source document must be italic in order for HTML Export to consider converting it to a heading. **Possible values:** `TRUE` | `FALSE` **Default value:** `TRUE` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.
`bMustBeUnderlined`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. If set to `TRUE`, the text in the source document must be underlined in order for HTML Export to consider converting it to a heading. **Possible values:** `TRUE` | `FALSE` **Default value:** `TRUE` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.
`bNonZeroIndent`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. If set to `TRUE`, the text in the source document must be indented in order for HTML Export to consider converting it to a heading. If set to `FALSE`, the text must be aligned left. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`bNoTabs`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. If set to `TRUE`, the text in the source document must *not* contain tabs in order for HTML Export to consider converting it to a heading. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.
`bNoMultiSpaces`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. If set to `TRUE`, the text in the source document must *not* contain two or more contiguous white spaces in order for HTML Export to consider converting it to a heading. **Possible values:** `TRUE` | `FALSE` **Default value:** `FALSE` To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`.
`mSpaceBefore`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. It specifies the amount of space in TWIPS (20th of a point) that must come before a paragraph in the source document in order for HTML Export to consider converting the paragraph to a heading. If `-1` is used, the amount of space before the paragraph is not considered in the heading generation. To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`. Applies to word processing documents only.

Properties in `fw_htmltemplate.ini`: **User Defined** Tab

Property	Description
`mSpaceAfter`	This is one of the criteria used to determine whether source text should be converted to a heading in the HTML output. It specifies the amount of space in TWIPS (20th of a point) that must follow a paragraph in the source document in order for HTML Export to consider converting the paragraph to a heading. If `-1` is used, the amount of space after the paragraph is not considered in the heading generation. To determine whether source text should be converted to a heading, HTML Export also considers whether the text meets the criteria defined by the other parameters of `KVHTMLHeadingInfo`. Applies to word processing documents only.
`bAllowHeadingsInTables`	This determines whether or not the contents of tables is considered for automatic heading generation. If set to `TRUE`, HTML Export considers converting the contents of tables to headings in the HTML output. **Possible values:** `TRUE` | `FALSE` Applies to word processing documents and spreadsheets only.
`headingCreateType`	Determines how HTML Export subdivides the source document into table of contents entries. This should be set to one of the two options that are enumerated in `KVHeadingCreateOptions` in `kvhtml.h`. The determination of table of contents entries is based on whether the source document contains *heading styles* or whether *text attributes* (bold, underlined, italic, and so on) conform to the criteria defined in `KVHTMLHeadingInfo`. Heading styles are predefined style tags, such as “Heading 1” and “Heading 2” tags in a Microsoft Word document. This class applies to word processing documents only.

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