

**Oracle® WebCenter Sites**

User's Guide for the Gadgets Application

11g Release 1 (11.1.1)

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Oracle® WebCenter Sites User's Guide for the Gadgets Application, 11g Release 1 (11.1.1)

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## About This Guide

This guide describes Oracle WebCenter Sites: Gadgets, an application designed to serve gadgets that deliver website content. This guide begins with an overview of the Gadgets application, moves on to describe the process of enabling gadgets on your content management sites, and shows you how to display those gadgets on web pages.

Applications discussed in this guide are former FatWire products. Naming conventions are the following:

- *Oracle WebCenter Sites* is the current name of the product previously known as *FatWire Content Server*. This guide uses the name *WebCenter Sites*.
- *Oracle WebCenter Sites: Gadgets* is the current name of the application previously known as *FatWire Gadget Server*. In this guide, *Oracle WebCenter Sites: Gadgets* is also called *Gadgets*.
- *Oracle WebCenter Sites: Web Experience Management Framework* is the current name of the environment previously known as *FatWire Web Experience Management Framework*. In this guide, *Oracle WebCenter Sites: Web Experience Management Framework* is also called *WEM Framework*.

The Gadgets application integrates with Oracle WebCenter Sites according to specifications in the *Oracle WebCenter Sites 11g Release 1 (11.1.1.x) Certification Matrix*. For additional information, see the release notes for the Gadgets application. Check the WebCenter Sites documentation site regularly for updates to the *Certification Matrix* and release notes.

## Audience

This guide is written for general administrators, site administrators, and designers. These users are assumed to have a comprehensive knowledge of their company's website requirements and a basic understanding of gadgets and gadget descriptor XML. All users of the Gadgets application should also have experience working with the WebCenter Sites interface and must be familiar with modifying and publishing templates.

## Related Documents

For more information, see the following documents:

- *Oracle WebCenter Sites Administrator's Guide*
- *Oracle WebCenter Sites Developer's Guide for Creating Gadgets*

## Conventions

The following text conventions are used in this guide:

- **Boldface** type indicates graphical user interface elements that you select.
- *Italic* type indicates book titles, emphasis, or variables for which you supply particular values.
- `Monospace` type indicates file names, URLs, sample code, or text that appears on the screen.
- **Monospace bold** type indicates a command.

## Terms and Acronyms

This guide mentions terms used in the Gadgets application, such as “Gadget Descriptor URL”. These terms are explained in the “Glossary” section at the end of this guide.

## Third-Party Libraries

Oracle WebCenter Sites and its applications include third-party libraries. For additional information, see *Oracle WebCenter Sites 11gR1: Third-Party Licenses*.

## Chapter 1

# Introducing the Oracle WebCenter Sites: Gadgets Application

This chapter provides an overview of the Gadgets application. It also provides information about the roles that can be assigned to the Gadgets application's users to grant them permissions to the Gadgets application's interface functions.

This chapter contains the following sections:

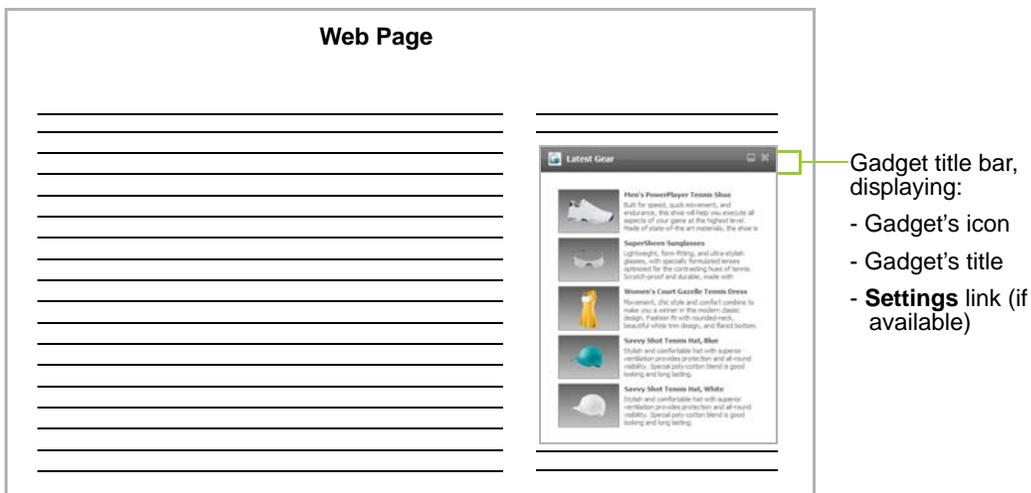
- [Overview](#)
- [Gadget Catalogs](#)
- [Gadget Sources](#)
- [Gadgets with OAuth Support](#)
- [Gadget Registration and Deployment](#)
- [Gadgets Application Interfaces](#)
- [Gadgets Application Roles and Permissions](#)

## Overview

Gadgets are remote pieces of functionality that deliver dynamic content, such as news feeds and articles from one website to another. The Gadgets application is a gadget container application that runs on Oracle WebCenter Sites. The Gadgets application enables you to deploy to your website individual gadgets (Figure 1) and/or a dashboard containing one or more gadgets (Figures 2–5).

Each visitor is provided with her own instance of a gadget and/or dashboard. The visitor can edit her gadgets' settings (if available) and customize the dashboard. If the gadget is configured with OAuth support and the visitor is authenticated, the Gadgets application can retrieve the visitor's personalized data and/or deliver the gadget's personalization functionality from the gadget's OAuth Service Provider.

**Figure 1:** Deployed gadget



**Figure 2:** Deployed dashboard



The dashboard has a customization workspace with three types of collapsible panels: gadget selection panel (Figure 3), gadget layout panel (Figure 4), and color theme panel (Figure 5).

**Figure 3:** Expanded dashboard displaying the gadget selection panel

**Gadget Selection Panel** (dashboard customization workspace)  
Displays all gadgets on the site as thumbnails

Gadget thumbnail images

**Search and Filter** fields enable you to quickly find the gadget you wish to add to the dashboard panel

To customize the dashboard panel, click:

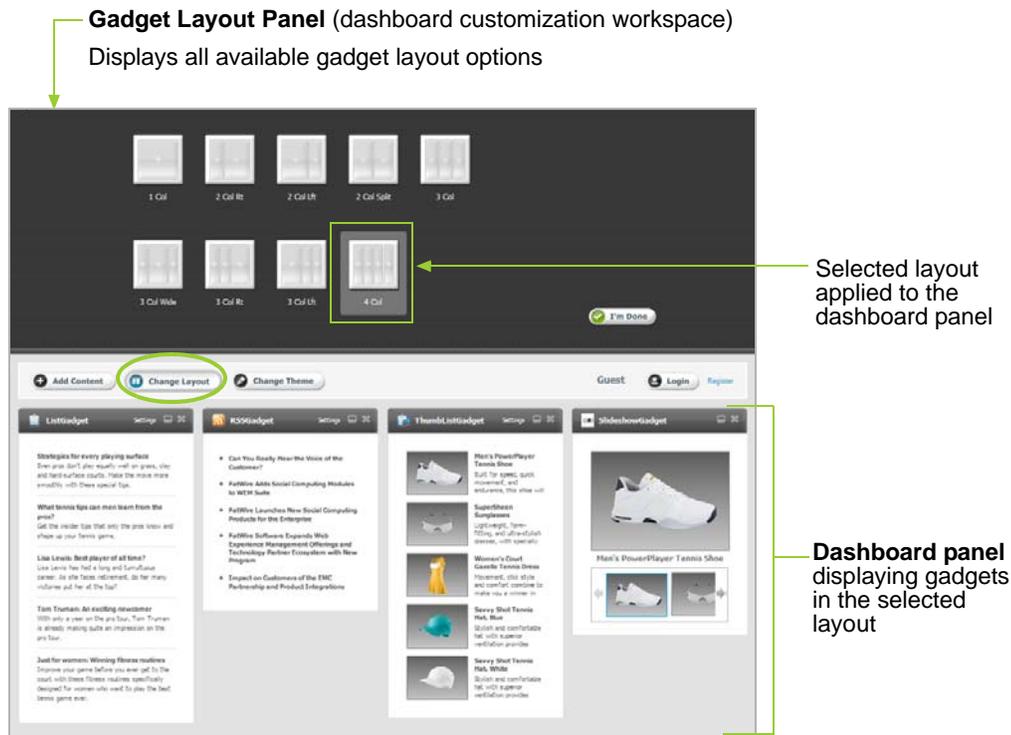
- **Add Content** to add gadgets to the dashboard panel
- **Change Layout** to reposition gadgets on the dashboard panel
- **Change Theme** to modify the color scheme of the dashboard panel

Click this to save your changes and collapse the top panel

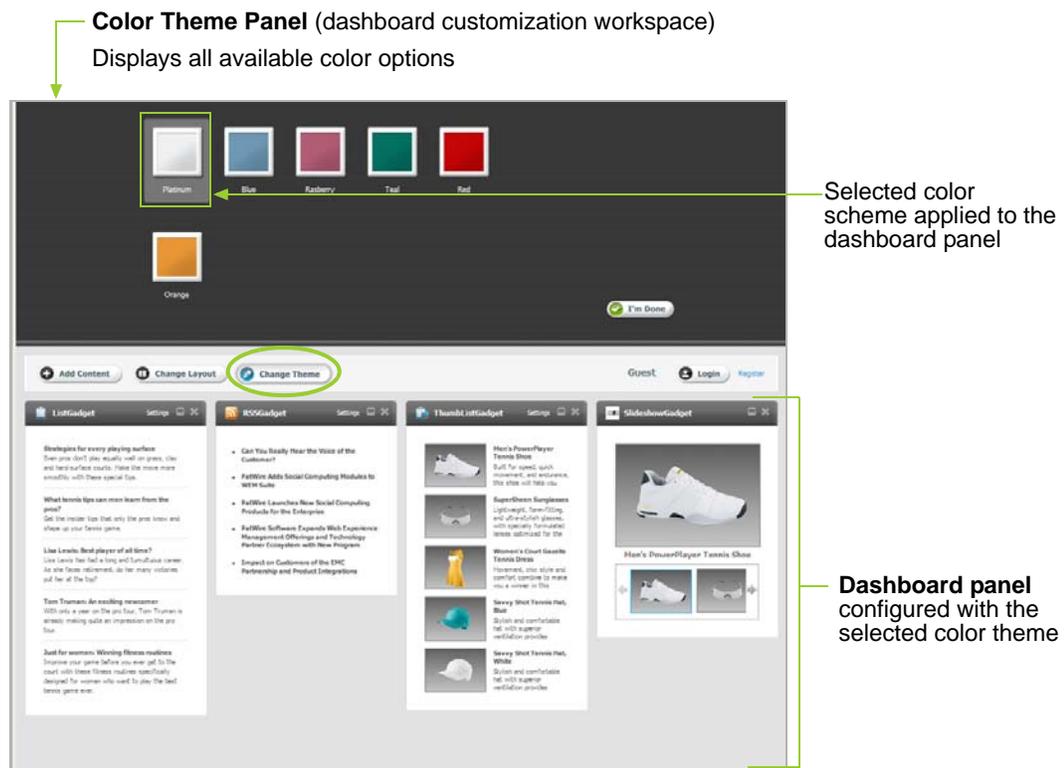
Visitors click this link to log in to the website

**Dashboard panel** displays gadgets chosen from the top panel

**Figure 4:** Expanded dashboard displaying the gadget layout panel



**Figure 5:** Expanded dashboard displaying the color theme panel



## Gadget Catalogs

Gadgets can be deployed only when they are registered to a site gadget catalog, either directly or from the global gadget catalog. The catalogs are provided in the Gadgets application's interfaces – the Global Gadget Catalog interface and the Gadgets User interface:

- The global gadget catalog is available only from the Global Gadget Catalog interface. The Global Gadget Catalog interface is enabled when the Gadgets application is assigned to the site specified as `{cs_site}`.

The global gadget catalog is used to distribute gadgets to as many site catalogs as necessary. Which in turn makes the gadgets available for single and dashboard deployment. For example, registering a gadget to the global gadget catalog makes that gadget available for administrators to enable it on multiple site gadget catalogs, without registering the gadget separately on each desired site gadget catalog.

- Site gadget catalogs are local and specific to each site on which the Gadgets User interface is enabled. The User interface is enabled when the Gadgets application is assigned to sites other than the site on which the Global Gadget Catalog interface is enabled. Along with the site gadget catalog, the User interface features the dashboard (Figures 3 – 5), the “Permissions” and “Settings” screens, and screens for single gadget and dashboard deployment.

**The dashboard and the single gadget deployment screen are dynamically associated with the site gadget catalog.** As shown in Figure 6B, registering a gadget to the catalog makes that gadget available for individual deployment and places that gadget on the dashboard, as a thumbnail image on the selection panel. (Selecting the thumbnail on the gadget selection panel expands the gadget and places it on the dashboard panel.) The site gadget catalog stores gadgets' metadata. If modifications are made to the metadata, they are propagated to individually deployed gadgets and to the gadgets' instances on the dashboard.

Figure 6 summarizes the process of how administrators make gadgets available for single and dashboard deployment. Gadgets can be registered to the site gadget catalog either directly (from the User interface) or from the global gadget catalog (in the Global Gadget Catalog interface).

**Figure 6:** Making gadgets available for single and dashboard deployment

**A. Global Gadget Catalog**

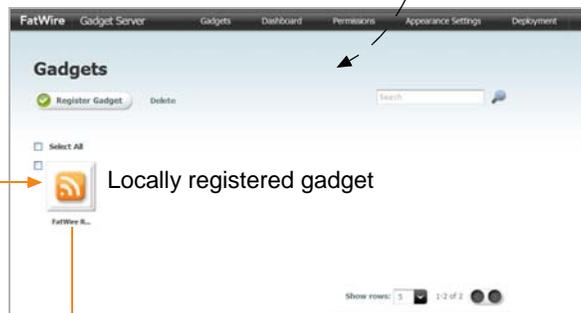
Global Gadget Catalog Interface (on the site specified as {cs\_site} during the Gadgets application's installation process)



If a gadget's descriptor URL is modified in the global gadget catalog, the modification is propagated to the site gadget catalogs.

**B. Site Gadget Catalog**

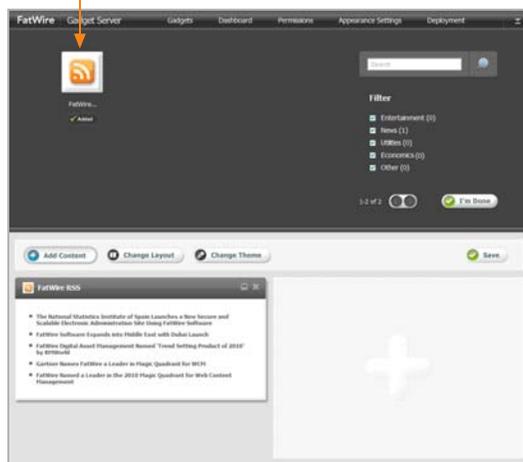
Gadgets User Interface (on site other than the site on which the Global Gadget Catalog interface is enabled)



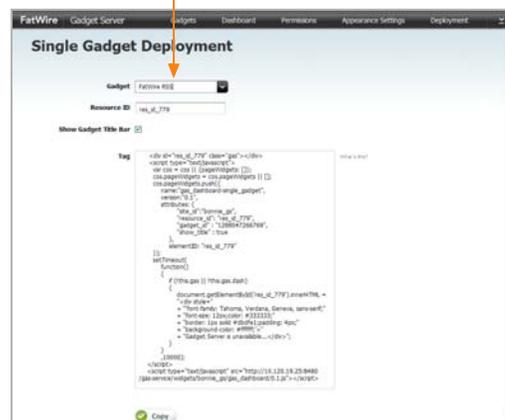
When a gadget in the global gadget catalog is enabled on a site gadget catalog it is registered locally on the site

A locally registered gadget is available in two places:

On the gadget selection panel, as a thumbnail for dashboard deployment



In the "Gadget" menu of the "Single Gadget Deployment" screen for individual deployment



## Gadget Sources

Gadgets are defined by descriptor XML files, which contain the gadgets' logic and data. The source of each XML file is a URL that we call the Gadget Descriptor URL (served by the gadget provider).

Gadgets can be obtained from third-party sources (such as *iGoogle*), or they can be created in the WebCenter Sites Admin interface. The Gadgets application's dashboard supports the following content types for gadgets: `text/html`, `text/xml`, and `application/xml`.

Gadgets must be registered to a site gadget catalog, either directly or from the global gadget catalog, if they are to be made available on the Gadgets User interface, and from there deployed to the website. When registering a gadget, you specify the URL of the gadget's descriptor XML:

- For third-party gadgets, you can obtain the URL by viewing the gadget's source code and noting its URL in the address bar.
- For gadgets of type `FW_CSGadget`, you can obtain the URL of the gadget's descriptor XML by previewing the gadget asset in the WebCenter Sites Admin interface, using the `ListSiteGadgets` template. This template, and the sample gadgets, are included with the Gadgets application.

## Gadgets with OAuth Support

Gadgets with OAuth support enable visitors to access certain types of personalized data (usually private data that can be accessed only with the visitor's authorized credentials) from the gadget's **OAuth Service Provider**. An OAuth Service Provider is the website on which the gadget and the visitor's personalized data is hosted.

Gadgets with OAuth support contain an OAuth section in their descriptor XML. This OAuth section specifies the gadget's OAuth Service Provider. The OAuth section of a gadget's descriptor XML looks similar to the following code snippet taken from the `ModulePrefs` section of the sample List Gadget's descriptor XML:

```
<OAuth>
  <Service name="gs">
    <Request url="http://10.120.19.25:8480/user-service/
      request_token"/>
    <Access url="http://10.120.19.25:8480/user-service/
      access_token"/>
    <Authorization url="http://10.120.19.25:8480/user-service/
      authorize?oauth_callback=
      http%3A%2F%2F10.120.19.25%3A8480%2Fgas-
      os%2Fgadgets%2Foauthcallback&gateway=false"/>
  </Service>
</OAuth>
```

Gadgets with OAuth support can securely retrieve a visitor's identity to grant that visitor access to her personalized data, without storing any of the visitor's data or credentials on the Gadgets application. Instead, the Gadgets application is used as a proxy to transfer requests between the gadget and the gadget's OAuth Service provider:

- If you deployed a gadget of type `FW_CSGadget` with OAuth support, the gadget can obtain a given visitor's session directly from the dashboard's visitor session bar (if the visitor is authenticated and the gadget's OAuth Service Provider is the Gadgets application).
- If the gadget (of type `FW_CSGadget` or third-party) or the visitor's personalized data is hosted on a third-party OAuth Service Provider, the visitor must log in to the third-party website. Usually a "Login" link is displayed inside the gadget's content. When the visitor clicks the link, a "Login" form for the gadget's OAuth Service Provider is displayed in a pop-up window.

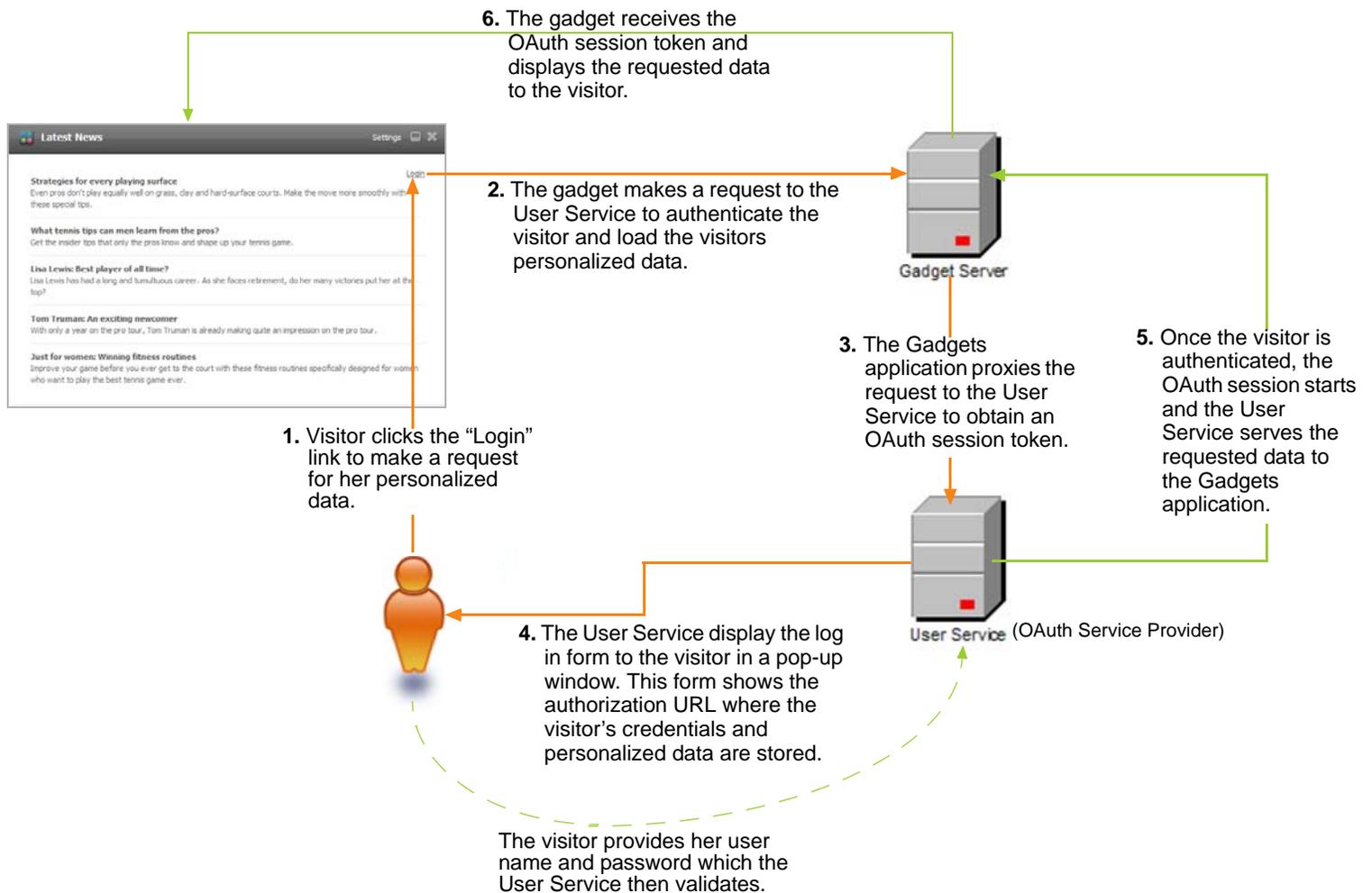
Once the OAuth Service Provider validates the visitor's credentials, the Gadgets application delivers the visitor's personalized data to the gadget. The gadget, in turn, displays that data to the visitor.

### Note

All requests that the Gadgets application transfers between the gadget and the gadget's OAuth Service Provider are secured with a gadget specific consumer key, consumer signature method, and consumer secret. This information is required when registering an OAuth-enabled gadget, whose OAuth Service Provider is a third-party website, to the global or a site gadget catalog. For more information, see [Chapter 4, "Registering Gadgets."](#)

Figure 7, on page 15 illustrates the process of how a gadget retrieves a visitor's personalized data, without storing any of the visitor's information on the Gadgets application.

**Figure 7:** Personalized data retrieval as seen in the sample List Gadget



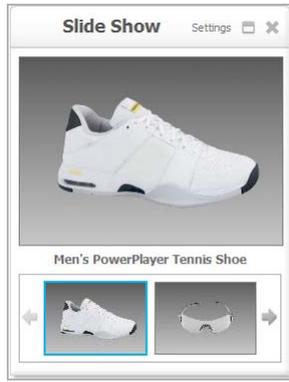
## Gadget Registration and Deployment

Figure 8 provides a closer look at the process of registering a gadget in the global gadget catalog, enabling that gadget on a site gadget catalog, and deploying that gadget either individually, or on the dashboard.

 <p><i>More About ...</i></p>	<h3>Deploying and Updating Gadgets</h3> <p>To deploy gadgets, you can either insert the dashboard widget tag or the widget tag for a single gadget into a template asset and then publish that template.</p> <p>Once the dashboard or the individual gadget instance is deployed, any modifications made to the gadget's metadata or the dashboard from the site's Gadgets User interface are dynamically updated to the website. Therefore, you do not need to re-deploy the gadget instance or dashboard, unless you want to display the gadget or dashboard on other pages of the website.</p>
--	---

**Figure 8:** Basic details for registering and deploying a gadget (continued on pages 18 and 19)

A gadget is defined by an XML file (gadget descriptor file) responsible for rendering the gadget.



Gadget's descriptor XML (for the gadget you wish to register)

<http://10.120.19.73:8080/cs/Satellite?c=FWCSGadget&cid=1269873535728&pagename=FirstSiteII%2FFWCSGadget%2FGenerateGadgetXML>

```
<Module>
  <ModulePrefs title="Product Slideshow" height="350">
    <Require feature="dynamic-height">
      <ModulePrefs>
        <Content type="html">
          <DOCTYPE HTML PUBLIC "-//W3C/DTD HTML 4.01/EN" "http://www.w3.org/TR/html4/strict.dtd">
          <style type="text/css">
            * { margin: 0; }
            body { padding: 0; margin: 0; font-size: 11px; font-family: Tahoma,Arial,Helvetica,sans-serif; color: #666; }
            error { background-color: #fee; color: #c00; }
            /* == gadget-specific styles == */
            body { padding: 15px; }
            /* styles for image display area */
            #container { padding: 15px; }
            #imgtitle { width: 100%; color: #666; font-size: 12px; font-weight: bold; text-align: center; padding: 8px 0; }
            /* styles for thumbnail strip area */
            #stripcontainer { /* container for thumbnail + buttons */ border: 1px solid #afafaf; height: auto; }
            #thumbstrip { /* horizontal strip of thumbnail images */ overflow: hidden; white-space: nowrap; }
            #thumbstrip a { outline: none; }
            #thumbstrip img { border: 1px solid #7e7e7e; margin: 1px 4px; height: 71px; }
            #thumbstrip .active img { border: 1px more for active, so margin is 1px less */ border: 2px solid #08b1f0; margin: 6px 3px; }
            /* styles for left/right buttons */
            #btnLeft, #btnRight { font-size: 0; display: block; width: 17px; height: 71px; padding: 0 2px; margin: 7px 0; background-repeat: no-repeat; background-position: center; cursor: pointer; }
            #btnLeft { float: left; background-image: url('cs1/FirstSiteII/gadgets/images/btnLeft.png'); }
            #btnRight { float: right; background-image: url('cs1/FirstSiteII/gadgets/images/btnRight.png'); }
            /* button hover states */
            #btnLeft.hover { background-image: url('cs1/FirstSiteII/gadgets/images/btnLeftHover.png'); }
            #btnRight.hover { background-image: url('cs1/FirstSiteII/gadgets/images/btnRightHover.png'); }
            /* button disabled states */
            #btnLeftDisabled, #btnLeftDisabled.hover { background-image: url('cs1/FirstSiteII/gadgets/images/btnLeftDisabled.png'); cursor: default; }
            #btnRightDisabled, #btnRightDisabled.hover { background-image: url('cs1/FirstSiteII/gadgets/images/btnRightDisabled.png'); cursor: default; }
          </style>
        </Content>
      </ModulePrefs>
    </Require>
  </ModulePrefs>
</Module>
```

1 When registering a gadget in the global gadget catalog, the general administrator specifies the URL that points to the gadget's descriptor XML and the gadget's basic metadata.



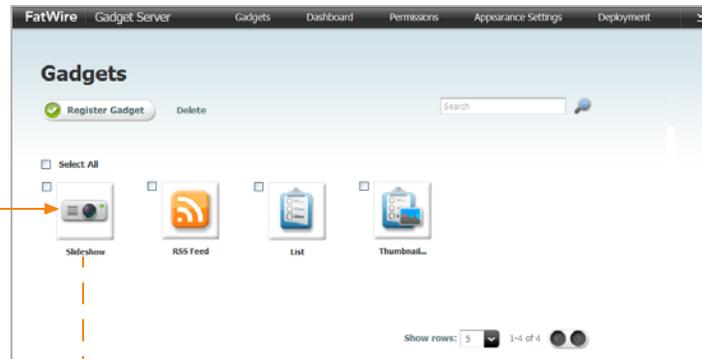
Gadget descriptor URL

2 Saving the gadget completes the registration process. The gadget's thumbnail image and name are displayed in the global gadget catalog.



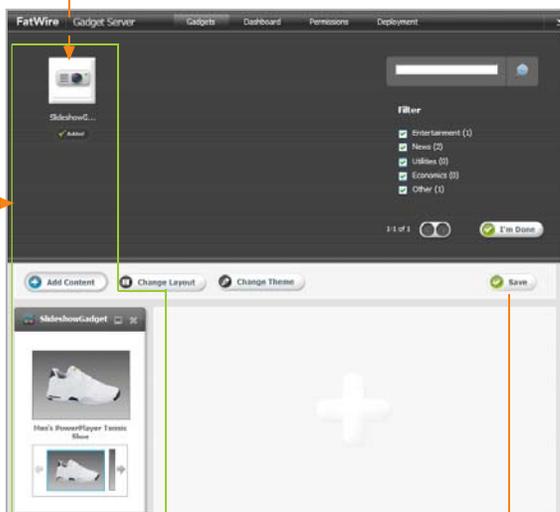
**Figure 6:** Basic details for registering and deploying a gadget (*continued from page 17*)

- 3** General administrators can enable a globally registered gadget in any site gadget catalog.



- 4** The gadget is automatically made available in two places:

The dashboard's gadget panel, as a thumbnail image



The "Gadget" menu in the "Single Gadget Deployment" screen



- 5a** An administrator or designer can add the gadget to the dashboard panel (by clicking **Add**) as a default for website visitors.

- 5** An administrator or designer selects the gadget from the "Gadget" menu. The gadget's metadata is defined in the "Tag" field.

- 5b** Saving the dashboard configuration translates the configuration settings to the dashboard widget tag.

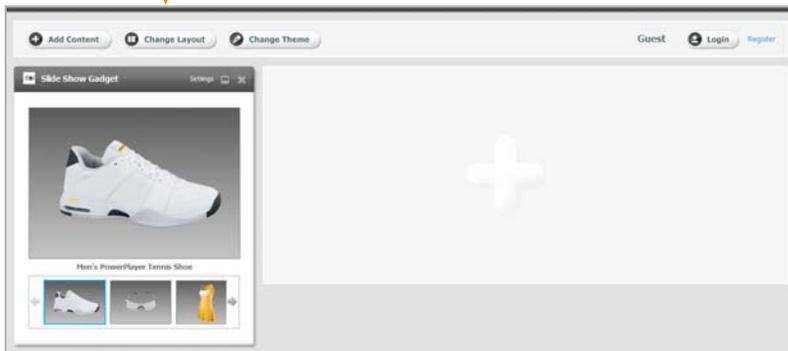
- 6** Copy the gadget defined in the "Tag" field to a page template. Then, publish the template to display the gadget on the web page.

**Figure 6:** Basic details for registering and deploying a gadget (continued from [page 18](#))

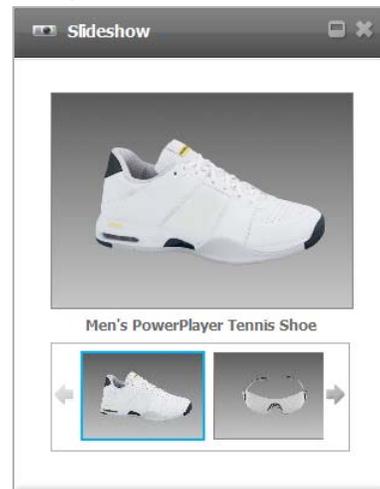
- 6 Copy the dashboard defined in the “Tag” field to a page template. Then, publish the template to display the dashboard on the web page.



Modifications made to the dashboard are dynamically updated on the deployed dashboard.



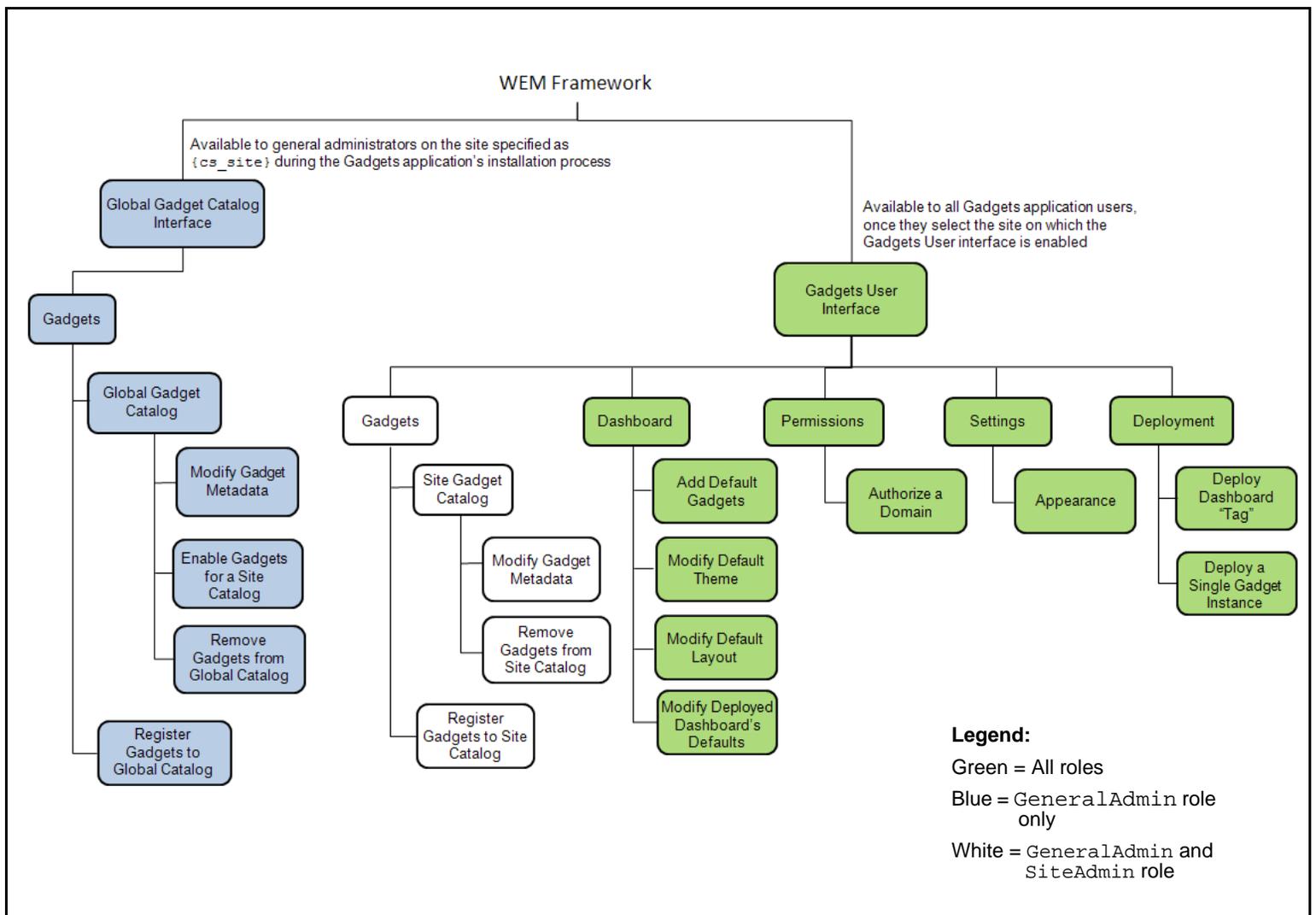
Modifications made to the gadget's metadata in the site gadget catalog are dynamically updated on the deployed gadget.



## Gadgets Application Interfaces

The Gadgets application provides two types of interfaces: the Global Gadget Catalog interface and the Gadgets User interface. The Global Gadget Catalog interface is displayed when the Gadgets application is assigned to the site specified as {cs\_site} during the Gadgets application's installation process. The Gadgets User interface is displayed when the Gadgets application is assigned to a site other than the site on which the Global Gadget Catalog interface is enabled. [Figure 7](#) illustrates the functions associated with both of the Gadgets application's interfaces and identifies roles that have permissions to those interfaces functions.

**Figure 7:** Overview of the Gadgets Application Interfaces



## Gadgets Application Roles and Permissions

Once the Gadgets application is installed on WebCenter Sites and assigned to the site specified as {cs\_site}, and at least one other CM site, general administrators can assign selected users roles to work with the application. The roles are GeneralAdmin, SiteAdmin, and Designer.

Certain permissions are shared by the roles, as indicated in [Table 1](#). For example, all users of the Gadgets application are able to add default gadgets to the dashboard panel.

**Table 1:** The Gadgets application's roles and permissions

Permissions	Gadgets Application Roles			For Information, See ...
	GeneralAdmin	SiteAdmin	Designer	
Enable the Global Gadget Catalog Interface	✓			"Enabling the Global Gadget Catalog Interface," on page 24
Enable a Gadgets User Interface	✓	✓		"Enabling the Gadgets User Interface for Existing Site Users," on page 25
Register Gadgets to the Global Gadget Catalog	✓			"Registering Gadgets to the Global Gadget Catalog," on page 34
Register Gadgets to a Site Gadget Catalog	✓	✓		"Registering Gadgets to a Site Gadget Catalog," on page 38
Remove Gadgets from the Global Gadget Catalog	✓			"Deleting Gadgets from the Global or Site Gadget Catalog," on page 39
Remove Gadgets from a Site Gadget Catalog	✓	✓		"Deleting Gadgets from the Global or Site Gadget Catalog," on page 39
Enable Gadgets for a Site Gadget Catalog	✓			"Enabling Gadgets from the Global Gadget Catalog," on page 42
Modify Gadget Metadata	✓	✓		"Modifying a Gadget's Metadata," on page 44
Add Gadgets to the Dashboard as Defaults	✓	✓	✓	"Adding or Removing Default Dashboard Gadgets," on page 49
Modify the Dashboard's Default Layout	✓	✓	✓	"Modifying the Default Layout of the Dashboard," on page 50

**Table 1:** The Gadgets application's roles and permissions

Permissions	Gadgets Application Roles			For Information, See ...
	GeneralAdmin	SiteAdmin	Designer	
Modify the Dashboard's Default Color Theme	✓	✓	✓	<a href="#">“Modifying the Default Color Theme of the Dashboard,”</a> on page 51
Authorize a Domain	✓	✓	✓	<a href="#">“Authorizing the Gadgets' Domain,”</a> on page 52
Configure Appearance Settings for the Gadgets Application	✓	✓	✓	<a href="#">“Configuring Appearance Settings of the Gadgets Application,”</a> on page 53
Deploy the Dashboard “Tag”	✓	✓	✓	<a href="#">“Deploying the Dashboard Widget Tag,”</a> on page 54
Deploy an Individual Gadget's “Tag”	✓	✓	✓	<a href="#">“Deploying a Single Gadget,”</a> on page 58
Modify the Deployed Dashboard's Defaults	✓	✓	✓	<a href="#">“Modifying the Deployed Dashboard,”</a> on page 59

**GeneralAdmin**

Users assigned the `GeneralAdmin` role are administrators of the entire WebCenter Sites system. These users can enable and manage the Global Gadget Catalog interface on the site specified as `{cs_site}`. They can also enable the Gadgets User interface on sites other than the site on which the Global Gadget Catalog interface is enabled. These users manage the global gadget catalog, which is contained in the Global Gadget Catalog interface.

**SiteAdmin**

Users assigned the `SiteAdmin` role are administrators of their assigned content management sites and its applications, including the Gadgets application. These users have permissions to all Gadgets User interface functions. However, their main purpose is to manage the CM site's gadgets in the site gadget catalog.

**Designer**

Users assigned the `Designer` role are able to manage the appearance of the default dashboard and deploy the dashboard widget tag and single gadget widget tags on web pages.

## Chapter 2

# Enabling the Gadgets Application Interfaces

The Gadgets application supplies two interfaces – the Global Gadget Catalog interface and the Gadgets User interface. This chapter provides information about enabling the Global Gadget Catalog interface (on the site specified as `{cs_site}` during the Gadgets application's installation process). It also provides information and instructions about enabling the User interface (on sites other than the site on which the Global Gadget Catalog interface is enabled).

This chapter contains the following sections:

- [Enabling the Global Gadget Catalog Interface](#)
- [Enabling the Gadgets User Interface for Existing Site Users](#)

## Enabling the Global Gadget Catalog Interface

The Global Gadget Catalog interface provides general administrators with the global gadget catalog. Gadgets registered to this catalog can be enabled on any site gadget catalog.

To enable the Global Gadget Catalog interface, a general administrator must assign the Gadgets application to the CM site specified as `{cs_site}`. For instructions about enabling the Global Gadget Catalog interface, see the *Oracle WebCenter Sites Installation Guide for the Gadgets Application*.

### Note

The site on which the Global Gadget Catalog interface will be enabled must exist on the WebCenter Sites delivery system. For information about mirroring a site, see the *Oracle WebCenter Sites Administrator's Guide*.

For instructions on logging in to the Global Gadget Catalog interface, see [Chapter 3](#), “Getting Started.”

## Enabling the Gadgets User Interface

The Gadgets User interface is enabled by administrators assigning the Gadgets application to sites other than the site on which the Global Gadget Catalog interface is enabled. A site's Gadgets User interface provides administrators with a site gadget catalog. It also provides all users assigned the `GeneralAdmin`, `SiteAdmin`, or `Designer` role with the site gadget catalog's associated dashboard, the “Permissions” and “Settings” screens, and the screens for single gadget and dashboard deployment.

The site gadget catalog is used to register gadgets directly to the site and to contain gadgets that were enabled from the global gadget catalog. The dashboard and its deployment screen are used to display multiple gadgets to website visitors, and the single gadget deployment screen is used to display a single instance of a gadget to visitors.

### Note

The site on which you wish to enable the Gadgets User interface must exist on the WebCenter Sites' delivery system. For information about mirroring a site, see the *Oracle WebCenter Sites Administrator's Guide*.

## Enabling the Gadgets User Interface for Existing Site Users

To enable site users to access the Gadgets User interface on their site, you must assign them at least one of the roles assigned to the Gadgets application. The roles are `GeneralAdmin`, `SiteAdmin`, or `Designer`.

### To enable the Gadgets User interface for existing site users

1. If the site on which you wish to enable the Gadgets User interface does not exist on the WebCenter Sites delivery system, mirror it. For instructions, see the *Oracle WebCenter Sites Administrator's Guide*.
2. Log in to WebCenter Sites as a general or site administrator.
3. Select the **AdminSite**, and the **WEM Admin** application icon.



4. In the “Sites” screen, mouse over a site (other than the site on which the Global Gadget Catalog interface is enabled) on which you wish to enable the Gadgets User interface, and click **Manage Site Apps**.
5. In the “Manage Site Apps” screen, click **Assign Apps**.
6. In the “Select Apps for Site” form, select the **Gadgets** application from the “Available” list box and move it to the “Selected” list box.
7. Click **Continue**.
8. In the “Assign Roles to App” form, select the **GeneralAdmin**, **SiteAdmin**, and **Designer** roles from the “Available” list box, and move them to the “Selected” list box.
9. Click **Save and Close**. The Gadgets User interface is now available to the site users assigned one of the roles assigned to the Gadgets application (`GeneralAdmin`, `SiteAdmin`, and `Designer`).
10. Next steps:
  - If you want to assign users roles to work in the site’s Gadgets User interface, see [Enabling the Gadgets User Interface for New Users](#).
  - If you want to register gadgets directly to the site’s gadget catalog, see [Chapter 3, “Getting Started”](#) for instructions on logging in to the site’s Gadgets User interface.

## Enabling the Gadgets User Interface for New Users

To enable new users to access a site's Gadgets User interface, you must assign the users to the site and then assign them at least one of the roles assigned to the Gadgets application. The roles are `GeneralAdmin`, `SiteAdmin`, and `Designer`. For detailed information about the roles assigned to the Gadgets application, see [“Gadgets Application Roles and Permissions,”](#) on page 21.

### To enable the Gadgets User interface for new users

1. Log in to WebCenter Sites as a general or site administrator, access the **AdminSite**, and select the **WEM Admin** application icon.
2. In the “Sites” screen, mouse over the site on which you enabled the Gadgets User interface, and click **Manage Site Users**.



3. In the “Manage Site Users” screen, click **Assign Users**.
4. In the “Select Users for Site” form, select the users you wish to assign to the site from the “Available” list box, and move them to the “Selected” list box.
5. Click **Continue**.
6. In the “Assign Roles to User” form, select either the **GeneralAdmin**, **SiteAdmin**, or **Designer** role from the “Available” list box, and move the role(s) to the “Selected” list box. (For more information about the roles, see [Table 1](#), on page 21.)
  - Selecting `GeneralAdmin` or `SiteAdmin` gives the user(s) administrative access to the site's Gadgets User interface, and all the other applications assigned to that site.

### Note

The `GeneralAdmin` role's main purpose is to give users access to the Global Gadget Catalog interface. However, the user must be assigned to the site on which the Global Gadget Catalog interface is enabled to gain access. For more information, see the *Oracle WebCenter Sites Installation Guide for the Gadgets Application*.

- Selecting `Designer` gives the user(s) access to the site's Gadgets User interface, and enables the user(s) to manage and deploy the site's gadgets and dashboard.
7. Click **Save and Close**.

The users you assigned to the site are able to access the Gadgets User interface on that site. For instructions on logging in to a Gadgets User interface, see [Chapter 3](#), [“Getting Started.”](#)

## Chapter 3

# Getting Started

This chapter provides instructions for logging in to the Gadgets application's interfaces.

This chapter includes the following sections:

- [Logging In](#)
- [Sample Gadgets](#)
- [Next Steps](#)

## Logging In

The Gadgets application is associated with WebCenter Sites. The Global Gadget Catalog interface can be accessed by general administrators when they log in to the site on which this interface is enabled. When assigned to sites other than the site on which the Global Gadget Catalog interface is enabled, the Gadgets application displays its User interface to site users with role GeneralAdmin, SiteAdmin, or Designer.

### To log in to the Global Gadget Catalog interface or the Gadgets User interface

1. Access WebCenter Sites at the following URL:

```
http://<server>:<port>/<application context>/login
```

where <server> is the host name or IP address of the server running WebCenter Sites, <port> is the port number of the WebCenter Sites application, and <application context> is the name of the web application that was deployed on the server.

2. Access the Gadgets application by logging in to WebCenter Sites. **Log in credentials are case-sensitive.**

In this guide we are using the default login credentials of a general administrator:

**Username** – fwadmin

**Password** – xceladmin

The screenshot shows a web browser window titled 'FatWire Web Experience Management Version 1.0'. The main content area is titled 'SECURE USER LOGIN'. On the left is the FatWire logo. On the right, there are two input fields labeled 'Username' and 'Password'. Below the password field is a link that says 'Forgot password?'. At the bottom of the form is a 'Login' button and a checkbox labeled 'Remember me'.

3. Click **Login**.
4. If you are logging in for the first time, or logging in to a site you have never accessed before, the following screen is rendered:

The screenshot shows a web browser window titled 'FatWire Web Experience Management Version 1.0'. The main content area has the FatWire logo on the left. On the right, there is a 'Site' dropdown menu currently showing 'FirstSiteII' and a 'App' dropdown menu showing a gadget icon. At the bottom right, there is a link that says '« Login again'.

- To access the Global Gadget Catalog interface, select the site on which it was enabled, and then click the **Gadgets** icon.



- To access the Gadgets User interface, select the desired site on which it was enabled, and then click the **Gadgets** icon.



5. Your interface is one of the following:

- If you logged in to the site on which the Global Gadget Catalog interface is enabled, the global gadget catalog is displayed. If no gadgets were registered, you see the following screen:



The Global Gadget Catalog interface contains the global gadget catalog, where general administrators can first register gadgets (of type `FW_CSGadget` or third-party), and then enable them on any site gadget catalog.

- If you logged in to a site on which the Gadgets User interface is enabled, one of two screens will be displayed to you depending on your assigned role:
  - If you are assigned the `Designer` role, the dashboard configuration screen is displayed. If no gadgets were registered to the site gadget catalog, you will see the following screen:



- If you are assigned the `GeneralAdmin` or `SiteAdmin` role, the site gadget catalog is displayed. If no gadgets were registered to the site gadget catalog, you will see the following screen:

Register gadgets to the site gadget catalog



The Gadgets User interface contains the site gadget catalog, dashboard, “Permissions” and “Settings” screens, dashboard deployment tag, and single gadget deployment tags for the site to which you logged in. Your access to these screens depends on your assigned role.

## Sample Gadgets

In this guide we assume that the Gadgets Samples Module was installed on the FirstSite II sample site of your WebCenter Sites system. Installing the sample module:

- Installs the FW\_CSGadget (whose description is CS-Based Gadget) asset type, from which sample and custom gadgets are created.
- Enables the FW\_CSGadget (whose description is CS-Based Gadget) asset type on FirstSite II.
- Installs sample gadgets on FirstSite II (see [Table 2](#)).
- Installs assets that provide content for the sample gadgets.
- Provides templates that render the gadgets. **These templates ([Table 3](#)) are required for all gadgets (sample and custom).**

**Table 2:** Sample Gadgets of Type FW\_CSGadget

Sample Gadgets of Type FW_CSGadget	Description
ListGadget	Displays a list of articles on the FirstSite II sample site. This gadget supports OAuth, which means a visitor can authorize the gadget to retrieve her personalized data (in this case, the visitor's user name and profile picture) from the gadget's OAuth Service Provider (which is the Gadgets application in this example).
RSSGadget	Displays a list of entries from an RSS feed.
SlideshowGadget	Displays a list of Product images in a slideshow format.
ThumbListGadget	Displays a list of products with thumbnail images.

**Table 3:** The Templates

Templates	Description
ListSiteGadgets	Lists URLs of the gadget descriptor XML files.
GenerateGadgetXML	Starts the process of rendering a gadget's descriptor XML.

More information about the Gadgets Samples Module is available in the *Oracle WebCenter Sites Developer's Guide for Creating Gadgets*.

## Next Steps

Now that you are familiar with the Gadgets application's interfaces, you can start registering the sample gadgets and third-party gadgets to the global gadget catalog or site gadget catalogs, depending on your assigned role(s). For information and instructions about registering gadgets, see [Chapter 4](#), "Registering Gadgets."



## Chapter 4

# Registering Gadgets

This chapter contains instructions on registering gadgets to the Global Gadget Catalog and site gadget catalogs. It also contains instructions on removing gadgets from the catalogs.

This chapter contains the following sections:

- [Registering Gadgets to the Global Gadget Catalog](#)
- [Registering Gadgets to a Site Gadget Catalog](#)
- [Deleting Gadgets from the Global or Site Gadget Catalog](#)

## Registering Gadgets to the Global Gadget Catalog

When the Gadgets application is assigned to the site specified as `{cs_site}`, it displays the Global Gadget Catalog interface. This interface consists of the global gadget catalog, which is the main repository for your company's gadgets and provides a way for general administrators to distribute gadgets to site gadget catalogs. Once gadgets are enabled on a site gadget catalog, they are made available for single gadget deployment and they are placed on the catalog's associated dashboard, as thumbnails on the gadget selection panel.

### To register a gadget with the global gadget catalog

1. Log in to WebCenter Sites as a general administrator.
2. Access the site on which the Global Gadget Catalog interface is enabled, and select the **Gadgets** icon.

The “Gadgets” screen opens:



3. In the “Gadgets” screen, click **Register Gadget**.

The “Register New Gadget” screen opens:

4. In the “Gadget Descriptor” section of the registration form, fill in the following fields:
  - a. In the “Gadget Descriptor URL” field, enter the URL of the gadget’s descriptor XML, which contains the gadget’s attributes and specifies the source of content.

#### Locate and specify the gadget’s descriptor URL

- If you are registering a third-party gadget, view the gadget’s XML descriptor, copy its URL, and paste the URL into the “Gadget Descriptor URL” field.
- If you are registering a gadget asset of type `FW_CSGadget`, follow the steps below to render a list of gadget asset descriptor URLs:
  - 1) Access the WebCenter Sites Admin interface.
  - 2) Select the site where gadget assets of type `FW_CSGadget` are available (FirstSite II by default).
  - 3) Locate the gadget you wish to register:
    - a) In the button bar, click **Search**.
    - b) In the “Search” list, select **Find CS-Based Gadget**.
    - c) Click **Search**.
    - d) Select any given gadget asset.

- 4) In the gadget’s “Inspect” form, click **Preview**.

The following message is displayed:



- 5) Click **OK**.
- 6) In the “Template” field, select **ListSiteGadgets**.
- 7) The descriptor URLs for all gadget assets of type `FW_CSGadget` are listed in the preview screen. Copy the descriptor URL of the gadget you wish to register, and paste the URL into the “Gadget Descriptor URL” field.

The Gadgets application processes the gadget descriptor URL to ensure the gadget is valid. Once the gadget is validated, the Gadgets application dynamically extracts the gadget’s default metadata (if available) and populates the fields in the “Metadata” section with the extracted data.

- b. If you are registering a gadget asset of type `FW_CSGadget` with OAuth support, and the gadget uses the Gadgets application as its OAuth Service Provider, then the gadget’s consumer key, signature method, and secret are already known to the Gadgets application. Therefore, the synchronization between the gadget and the Gadgets application is automatic. Continue with [step 5](#).
- c. If you are registering an OAuth-enabled gadget whose OAuth Service Provider is a third-party website, the **Uses External Authentication** check box is automatically selected and the “Gadget OAuth Credentials” section is displayed.

#### Synchronize the third-party gadget with the Gadgets application

- 1) Open another browser and access the gadget’s OAuth Service Provider.
- 2) Register the Gadgets application with the gadget’s OAuth Service Provider. You will either have to provide information about the Gadgets application’s domain and/or the callback URL to the Gadgets application (for example, `<GadgetsApp URL>/gadgets/ouathcallback`).

The OAuth Service Provider supplies you with a consumer key, secret, and signature method specific to the gadget you are registering. The key and secret are used to sign every request made to the OAuth Service Provider’s API.

- 3) Re-open the browser running the Gadgets application. In the “Register New Gadget” form, navigate to the “Gadget OAuth Credentials” section and fill in the following fields:
  - **Consumer key** – Also known as an API key, this is a value used by the gadget to identify itself to the OAuth Service Provider.
  - **Consumer signature method** – The type of digital signature algorithm used to sign requests secured with OAuth (HMAC-SHA1 or RSA-SHA1). The signature process encodes the *consumer key* and *secret* into a verifiable value. This prevents unauthorized parties from using the gadget-specific *consumer key* and *secret* to access a visitor’s protected resources.

- **Consumer secret** – A secret used by the gadget to establish ownership of the consumer key to the OAuth Service Provider.

When a visitor makes a request for her personalized data, this information is used by the Gadgets application, instead of the visitor’s actual password and user name, to access the requested data from the gadget’s OAuth Service Provider.

5. In the “Metadata” section, do the following:

- **Title** – Enter a name for the gadget. This name will be displayed under the gadget’s thumbnail image in the global gadget catalog (and site gadget catalogs).
- **Icon** – Click **Browse** to select an icon image. This image will be displayed on the gadget’s title bar when the gadget is displayed on a site gadget catalog’s associated dashboard panel. If no image is selected, the following default image is displayed:



- **Thumbnail** – Click **Browse** to select a thumbnail image. This image will be displayed in the global gadget catalog. If the gadget is enabled on a site gadget catalog, the image is also displayed on that catalog and its associated dashboard’s gadget selection panel. If no image is selected, the following default image is displayed:



- **Preview Image** – Click **Browse** to select the gadget’s preview image, which will be displayed when a user clicks the gadget’s thumbnail on a dashboard’s gadget selection panel. If no preview image is selected, clicking the gadget’s thumbnail displays the following image:



- **Category** – Selecting a category enables users and visitors to filter gadgets by category in the gadget catalogs and the dashboard’s gadget selection panel. If no category is selected, then “Other” is assigned by default. The default categories are Entertainment, News, Utilities, Economics, and Other.

- Click **Save**. The gadget's name and thumbnail image are now displayed in the global gadget catalog.



New gadget registered to the global gadget catalog

- Enable the gadget on a site gadget catalog. For instructions, see [Chapter 5, “Managing Gadgets.”](#)

## Registering Gadgets to a Site Gadget Catalog

When the Gadgets application is assigned to a site other than the site on which the Global Gadget Catalog interface is enabled, it displays the Gadgets User interface, which provides that site with a site gadget catalog. Gadgets registered to a site gadget catalog are made available for single gadget deployment, and placed on the dashboard (as thumbnail images on the gadget selection panel) for dashboard deployment.

### To register a gadget to a site gadget catalog

- Log in to WebCenter Sites as a general or site administrator.
- Access the desired site on which the Gadgets User interface is enabled, and click the **Gadgets** icon.

The “Gadgets” screen opens:



- Register the gadget to the site gadget catalog. For instructions, see [steps 3 – 5](#) (starting on [page 34](#)).

4. Click **Save**.

The gadget is enabled in the site gadget catalog. The gadget's name is now listed in the "Single Gadget Deployment" screen's "Gadget" field, and the gadget's name and thumbnail are displayed in the site gadget catalog and placed on the associated dashboard's gadget selection panel.

5. Deploy the gadget either as a single instance or on the dashboard. For instructions on deploying gadgets, see [Chapter 6, "Managing and Deploying Gadgets."](#)

## Deleting Gadgets from the Global or Site Gadget Catalog

Only general administrators can delete gadgets from the global gadget catalog, ensuring that those gadgets cannot be enabled on any site gadget catalogs. If the gadgets were *previously* enabled on site gadget catalogs, they are not deleted from those catalogs.

General and site administrators can delete gadgets from a site gadget catalog. Because the site gadget catalog, "Single Gadget Deployment" screen, and dashboard are associated, when gadgets are deleted from a site gadget catalog, those gadgets are no longer available for single deployment and they are removed from the dashboard's gadget selection panel (but not from the dashboard panel, in case they are used by site visitors).

### To delete gadgets from the global gadget catalog

1. Log in to WebCenter Sites as a general administrator.
2. Access the site on which the Global Gadget Catalog interface is enabled, and click the **Gadgets** icon.
3. In the "Gadgets" screen, select the check boxes of the gadgets you wish to delete from the global gadget catalog, and click **Delete**.
4. In the dialog box, click **OK**.

The gadgets are deleted from the global gadget catalog. However, the gadgets are not removed from the site gadget catalogs on which they were previously enabled.

### To delete gadgets from a site gadget catalog

1. Log in to WebCenter Sites as a general or site administrator.
2. Access the desired site on which the Gadgets User interface is enabled, and click the **Gadgets** icon.
3. In the "Gadgets" screen, select the check boxes of the gadgets you wish to delete from the site gadget catalog, and click **Delete**.
4. In the dialog box, click **OK**.

The gadgets are deleted from the site gadget catalog, the "Single Gadget Deployment" screen, and the dashboard's gadget selection panel.

- If the gadgets were registered with the global gadget catalog, they are still available from that catalog.
- If a gadget was deployed individually on a web page, you must remove that gadget's widget tag from the template. Otherwise, the gadget remains on the web page displaying the message "The gadget is unavailable" to site visitors.

- If the gadgets are displayed on a visitor's dashboard panel, they will remain on the panel until the visitor removes them. Once removed, the gadgets are no longer available to the visitor.

## Chapter 5

# Managing Gadgets

This chapter is for general and site administrators. It contains information and instructions about enabling globally registered gadgets on site gadget catalogs. This chapter also contains instructions on modifying a gadget's metadata, such as name and preview image.

This chapter contains the following sections:

- [Enabling Gadgets from the Global Gadget Catalog](#)
- [Modifying a Gadget's Metadata](#)

## Enabling Gadgets from the Global Gadget Catalog

Gadgets that are registered in the global gadget catalog can be enabled on as many site gadget catalogs as necessary. A site gadget catalog has an associated “Single Gadget Deployment” screen and a dashboard. This means that any gadget listed in the given site gadget catalog is automatically:

- Available for individual deployment from the “Single Gadget Deployment” screen.
- Placed on the dashboard, as a thumbnail on the gadget selection panel.

### To enable a globally registered gadget

1. Log in to WebCenter Sites as a general administrator.
2. Access the site on which the Global Gadget Catalog interface is enabled, and click the **Gadgets** icon.

The “Gadgets” screen opens:



3. Select the check box(es) of the gadget(s) you wish to enable on one or more site gadget catalogs, and click **Enable**.

### Note

If gadgets are not displayed in your interface, register the gadgets. For instructions, see [“Registering Gadgets to the Global Gadget Catalog,” on page 34.](#)

The “Enable Gadgets on Sites” form opens:



4. From the “Available” list box, select the site(s) on which to enable the gadgets and move the site(s) to the “Selected” list box.

#### Note

If sites are not displayed in your interface, it means that the Gadgets User interface is not assigned to any sites. For instructions on assigning the interface, see [“Enabling the Gadgets User Interface for Existing Site Users,”](#) on page 25.

5. Click **Save**. The gadgets are enabled in the selected site gadget catalog(s), as shown by the site indicator below the gadget’s thumbnail:



Site indicator showing that the gadget has been enabled on one site gadget catalog

The gadgets are now available for individual deployment in the site gadget catalogs’ associated “Single Gadget Deployment” screens. The gadgets are also placed in the site gadget catalogs’ associated dashboards, as thumbnails on the gadget selection panel.

#### Note

A gadget cannot be enabled more than once on a given site gadget catalog.

## Modifying a Gadget's Metadata

A gadget's metadata can be modified from the global gadget catalog or a site gadget catalog. The metadata of a gadget includes its name, descriptor URL, thumbnail, preview, and icon images, and its assigned filter category.

This section contains the following topics:

- [Modifying a Gadget's Metadata in the Global Gadget Catalog](#)
- [Modifying a Gadget's Metadata in a Site Gadget Catalog](#)

### Modifying a Gadget's Metadata in the Global Gadget Catalog

General administrators are the only users who can modify a gadget's metadata in the global gadget catalog. Only modifications to the descriptor URL are propagated to gadgets that are registered to the site gadget catalogs.

#### To modify a gadget's metadata in the global gadget catalog

1. Log in to WebCenter Sites as a general administrator.
2. Access the site on which the Global Gadget Catalog interface is enabled, and click the **Gadgets** icon.
3. In the “Gadgets” screen, click the thumbnail of the gadget whose metadata you wish to modify.

The “Edit Gadget” screen opens:

The screenshot shows the 'Edit Gadget: Product Slideshow' interface. It is divided into two main sections: 'STEP 1: GADGET DESCRIPTOR' and 'STEP 2: METADATA'.  
In Step 1, there is a text input for 'Gadget Descriptor URL\*' containing 'http://10.120.12.75:8080/csl'. Below it is a checkbox for 'Uses External Authentication' which is currently unchecked.  
Step 2 contains several fields: 'Title\*' with the value 'Product Slideshow'; 'Icon' and 'Thumbnail' fields, each with a 'Browse...' button; a 'Preview Image' field showing a yellow dress in a windowed preview; and a 'Category' field. The 'Category' field has two lists: 'Available' (0) and 'Selected' (5). The 'Selected' list contains 'Entertainment', 'News', 'Utilities', 'Economics', and 'Other'. At the bottom of the form are 'Save' and 'Cancel' buttons.

4. In the “Edit Gadget” screen, make the desired changes to the gadget’s metadata, and click **Save**.

The changes you make to the gadget’s metadata are applied to the instance of the gadget in the global gadget catalog. Changes to the descriptor URL are propagated to the site gadget catalogs.

## Modifying a Gadget’s Metadata in a Site Gadget Catalog

General and site administrators can modify a gadget’s metadata in a site gadget catalog. The modifications affect only the gadget in that catalog. They are propagated from the site gadget catalog to the dashboard, the “Single Gadget Deployment” screen, and anywhere the gadget is deployed.

### To modify a gadget’s metadata on a site gadget catalog

1. Log in to WebCenter Sites as a general or site administrator.
2. Access the desired site on which the Gadgets User interface is enabled, and click the **Gadgets** icon.
3. In the “Gadgets” screen, click the thumbnail image of the gadget whose metadata you wish to modify.
4. In the “Edit Gadget” screen, make the desired changes to the gadget’s metadata, and click **Save**.

The changes you make to the gadget’s metadata take affect in the site gadget catalog, the “Single Gadget Deployment” screen, the dashboard, and anywhere the gadget is deployed (individually and on the dashboard).



## Chapter 6

# Managing and Deploying Gadgets

This chapter is for administrators and designers, and contains the following sections:

- [Configuring Dashboard Defaults](#)
- [Authorizing the Gadgets' Domain](#)
- [Configuring Appearance Settings of the Gadgets Application](#)
- [Deploying the Dashboard Widget Tag](#)
- [Deploying a Single Gadget](#)
- [Modifying the Deployed Dashboard](#)

## Configuring Dashboard Defaults

The dashboard is a gadget container. The dashboard can be configured to display selected gadgets in a preferred layout and/or color theme. The configurations you apply to the dashboard are considered to be defaults. Site visitors who access a deployed dashboard are given their own instance of the dashboard, which they can personalize by modifying its appearance.

### Note

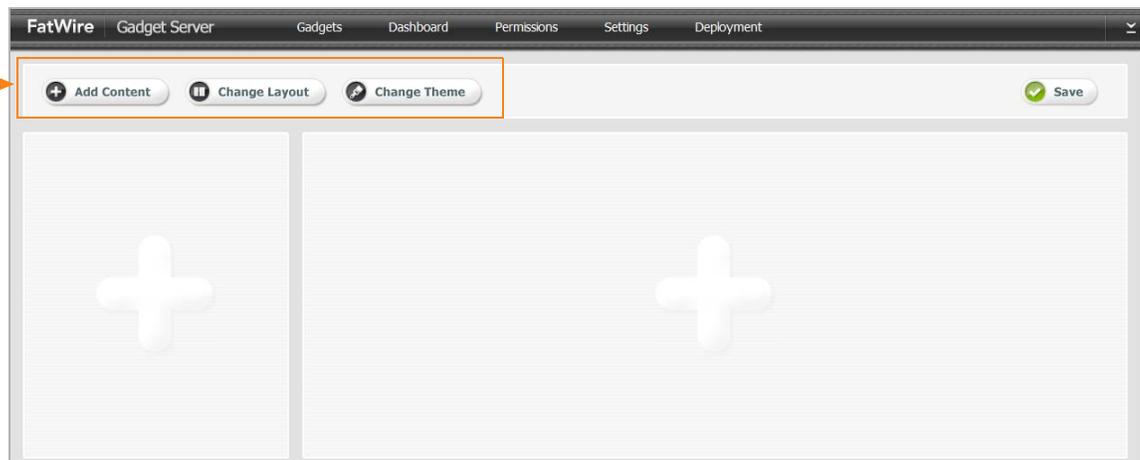
When a gadget is enabled on a site gadget catalog, its thumbnail is placed on the dashboard, on the gadget selection panel. If your dashboard is empty, see [Chapter 4, “Registering Gadgets”](#) and [Chapter 5, “Managing Gadgets.”](#)

### To access the dashboard

1. Log in to WebCenter Sites as a general administrator, site administrator, or designer.
2. Access the desired site on which the Gadgets User interface is enabled, and select the **Gadgets** icon.
3. In the menu bar, select **Dashboard**.

The dashboard opens:

**Gadget selection toolbar** enables you to modify the appearance of the default dashboard as it will be displayed to website visitors.



The following configuration options are available to you:

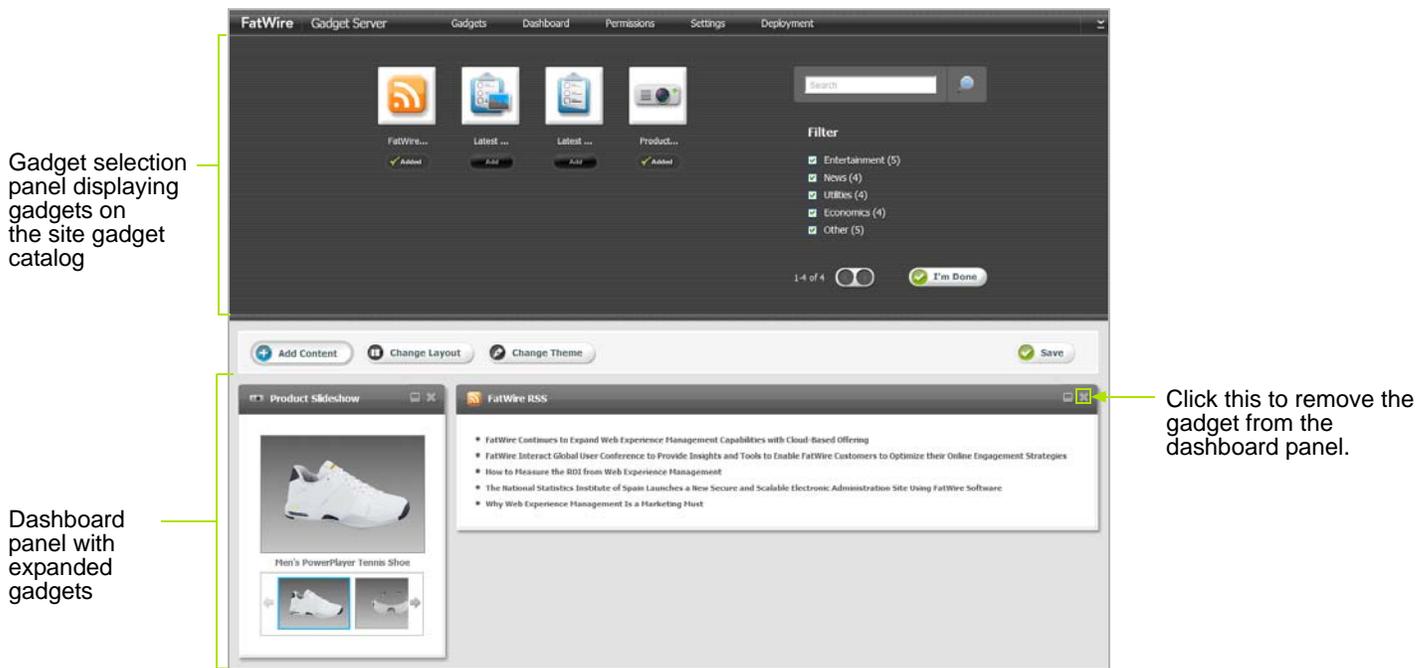
- [Adding or Removing Default Dashboard Gadgets](#)
- [Modifying the Default Layout of the Dashboard](#)
- [Modifying the Default Color Theme of the Dashboard](#)

## Adding or Removing Default Dashboard Gadgets

You can display gadgets at full size by adding them to the dashboard panel, from the gadget selection panel. If you remove a gadget from the dashboard panel, its thumbnail remains on the gadget selection panel. When a dashboard is deployed, its set of gadgets is fixed for site visitors until you modify the set. Although site visitors cannot add their own gadgets or delete the gadgets you have selected for them, they can display the gadgets at full size or only as thumbnails by adding them to or removing them from the dashboard panel.

**Figure 8:** The dashboard's gadget selection panel

To access this panel, select **Gadgets > Dashboard > Add Content**



### To access the dashboard

1. Access the Gadgets User interface, and select **Dashboard** (detailed steps on [page 48](#)).

### To add gadgets to the dashboard panel

2. Click the dashboard's **Add Content** button.
3. In the gadget selection panel, navigate to the gadget you wish to add to the dashboard panel:
  - a. (Optional) If you want to preview how the gadget's content will be displayed to website visitors before you add it, click the gadget's thumbnail image.
  - b. Click **Add**.
4. Click **I'm Done**. The gadget selection panel closes and the gadget is displayed on the dashboard panel.
5. (Optional) To move the gadget to another position on the dashboard panel, click its title bar and drag the gadget to the desired slot.

6. Click **Save** to propagate your configurations to the dashboard widget tag.

#### To remove a gadget from the dashboard panel

7. In the dashboard panel, navigate to the gadget you wish to remove as a default, and click the **X** (located in the gadget's title bar) to remove the gadget.

The gadget is removed from the dashboard panel, but it is still accessible from the gadget selection panel, via its thumbnail.

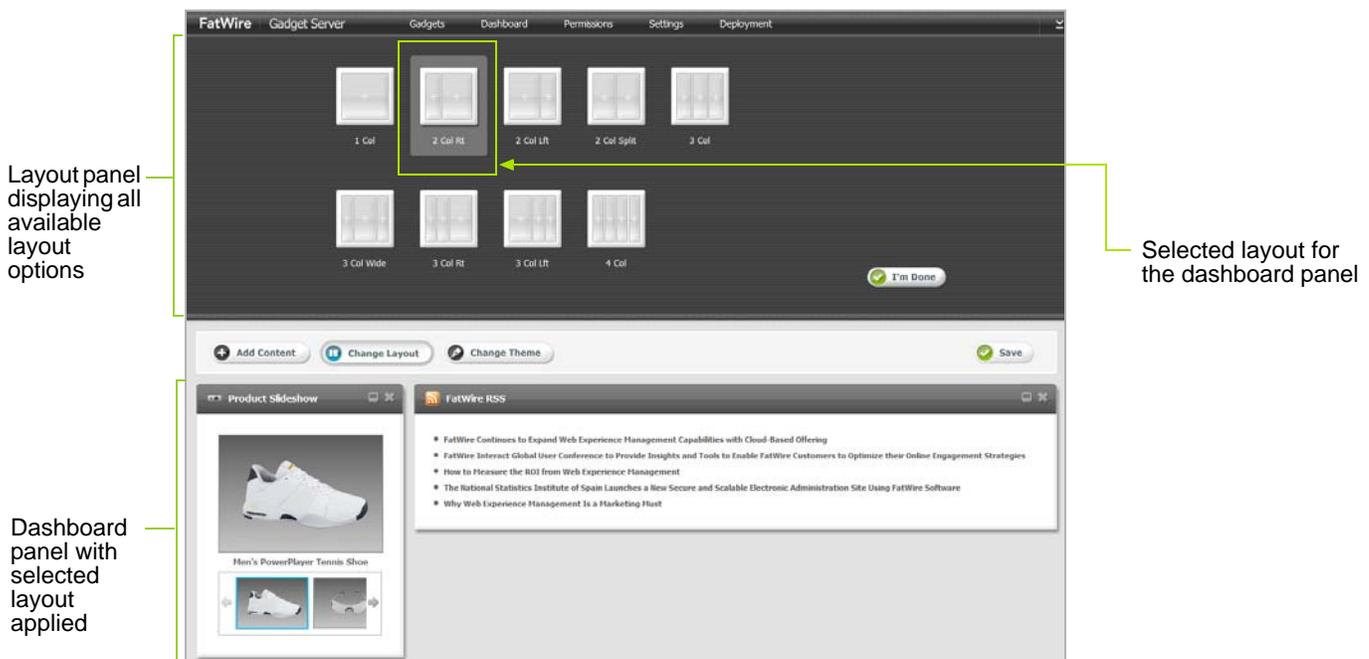
8. Click **Save** to propagate your configurations to the dashboard widget tag.

## Modifying the Default Layout of the Dashboard

Gadgets on the dashboard panel can be arranged in one of many layouts.

**Figure 9:** The dashboard's layout panel

To access this panel, select **Gadgets > Dashboard > Change Layout**



#### To access the dashboard

1. Access the Gadgets User interface, and select **Dashboard** (detailed steps on [page 48](#)).

#### To modify the default layout of the dashboard

2. Click the dashboard's **Change Layout** button.
3. In the layout panel, select the desired default layout for the dashboard panel.
4. Click **I'm Done**.

The gadget selection panel closes, and the selected layout is applied to the dashboard panel.

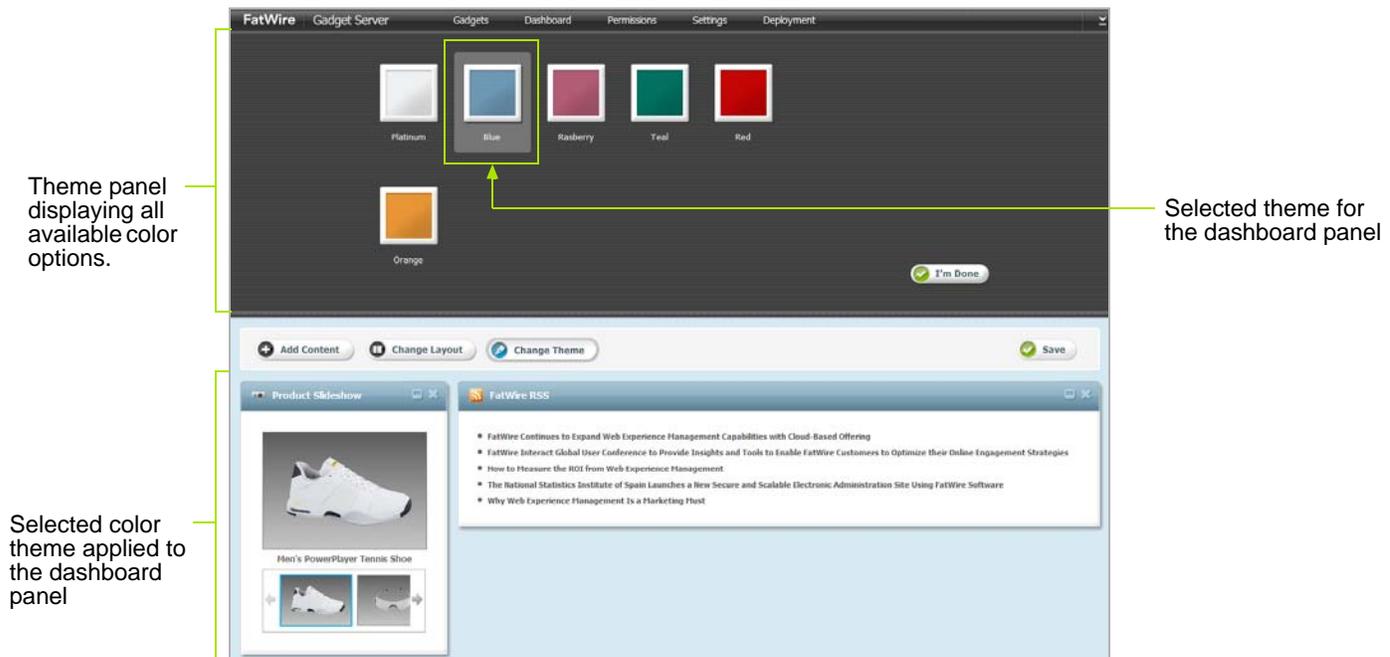
5. Click **Save** to propagate your configurations to the dashboard widget tag.

## Modifying the Default Color Theme of the Dashboard

Modifying the dashboard's theme changes the dashboard's color scheme.

**Figure 10:** The dashboard's theme panel

To access this panel, select **Gadgets > Dashboard > Change Theme**



### To access the dashboard

1. Access the Gadgets User interface, and select **Dashboard** (detailed steps on [page 48](#)).

### To modify the color theme of the dashboard panel

2. Click the dashboard's **Change Theme** button.
3. In the theme panel, select the desired color scheme for the dashboard panel.
4. Click **I'm Done**.

The theme panel closes, and the selected color is applied to the dashboard panel.

5. Click **Save** to propagate your configurations to the dashboard widget tag.

## Authorizing the Gadgets' Domain

Authorizing a domain enables you to specify the domain on which the gadgets' widget tags and the dashboard's widget tag can be deployed. This restricts the usage of the tags to only the domain you authorize.

### To authorize a domain

1. Log in to WebCenter Sites with administrator or designer credentials.
2. Access the desired site on which the Gadgets User interface is enabled, and select the **Gadgets** icon.
3. In the menu bar, click **Permissions > Authorized Domain**.

The screenshot shows a web browser window with the FatWire Gadget Server interface. The top navigation bar includes 'FatWire', 'Gadget Server', 'Gadgets', 'Dashboard', 'Permissions', 'Settings', and 'Deployment'. The main content area is titled 'Authorized Domain' and features a 'Domain URL' label next to an empty text input field. Below the input field is a 'Save' button with a green checkmark icon.

4. In the "Domain URL" field, enter the domain name of the website on which you wish to display gadgets (either individually or on the dashboard). For example:  
`mycompany.com` or `mysite.mycompany.com`
5. Click **Save**.

Gadget widget tags and the dashboard widget tag can be deployed on only the domain you specified. If a site visitor views the source code of your company's site and attempts to copy the deployed widget tags to their own site, the deployment will fail.

## Configuring Appearance Settings of the Gadgets Application

Configuring the Gadgets application's appearance settings enables you to control the appearance of the Gadgets User interface, the dashboard, and the single gadget widget tags.

### To configure gadget appearance settings

1. Log in to WebCenter Sites with administrator or designer credentials.
2. Access the desired site on which the Gadgets User interface is enabled, and select the **Gadgets** icon.
3. In the menu bar, click **Settings > Appearance**.



4. Fill in the following fields:
  - **Language** – Specify the language in which the dashboard and individually deployed gadgets will be displayed. The only available option is **English**.
  - **Skin** – Select **Default** to use the default appearance of the Gadgets User interface. Select **Custom** to upload your own CSS file.
  - **Upload Custom CSS** – If you selected the **Custom** option in the “Skin” field, use the **Browse** button to select a cascading style sheet that will control the appearance of the Gadgets User interface (for example, the text fonts), the dashboard, and the single gadget widget tags (for example, the header, background images, and so on).
5. Click **Save**.

## Deploying the Dashboard Widget Tag

Deploying the dashboard's widget tag to a web page renders the dashboard on that page. The tag specifies the dashboard's current gadgets, layout, color theme, appearance settings, and authorized domain (if any).

When the dashboard widget tag is deployed, visitors who access the dashboard are given their own instances of the dashboard. Each visitor can then personalize her own instance in the same way that the Gadgets application's users configure the dashboard (as shown in [“Configuring Dashboard Defaults,”](#) on page 48).

### Note

To deploy the dashboard widget tag to a page template, you will access the WebCenter Sites Admin interface (**Admin**). Ensure the WebCenter Sites Admin interface is assigned to the same site as the Gadgets User interface.

### To deploy the dashboard widget tag

1. Copy the dashboard widget tag in the Gadgets application's "Dashboard Deployment" screen:
  - a. Log in to WebCenter Sites with administrator or designer credentials.
  - b. Access the desired site on which the Gadgets User interface is enabled, and select the **Gadgets** icon.
  - c. In the menu bar, select **Deployment > Dashboard**.

The screenshot shows the 'Dashboard Deployment' interface. At the top, there is a navigation bar with 'FatWire', 'Gadget Server', 'Gadgets', 'Dashboard', 'Permissions', 'Settings', and 'Deployment'. Below this, the title 'Dashboard Deployment' is centered. There are two input fields: 'Default Height, px' with the value '500' and 'User Session Bar' which is checked. The main area is labeled 'Tag' and contains a large text area with the following JavaScript code:

```
<div id="welcome_dash" class="gas"></div>
<script type="text/javascript" charset="UTF-8">
var gas = gas || {};
gas.pageWidgets = gas.pageWidgets || [];
gas.pageWidgets.push({
  name:"gas_dashboard",
  version:"0.1",
  attributes: {
    "site_id": "FirstSiteII",
    "dash_type": "user_dash",
    "min_height": "500px",
    "show_toolbar": true
  },
  elementID: "welcome_dash"
});
setTimeout(
  function()
  {
    if (!this.gas.dash)
    {
      document.getElementById("welcome_dash").innerHTML =
      "<div style="
      + "font-family: Tahoma, Verdana, Geneva, sans-serif;"
      + "font-size: 12px;color: #333333;"
      + "border: 1px solid #dbdfef;padding: 4px;"
      + "background-color: #ffffff;>"
      + "Gadget Server is unavailable...</div>";
    }
  }
,30000);
</script>
<script type="text/javascript" src="http://10.120.19.209:8180
/gas-service/widgets/FirstSiteII/gas_dashboard/0.1.js"></script>
```

At the bottom of the tag field, there is a 'Copy' button with a green checkmark icon.

- d. In the “Dashboard Deployment” screen, fill in the following fields:
    - **Default Height, px** – Specify the height (in pixels) in which to display the dashboard on the website. 500 pixels is the minimum height that can be specified to render the dashboard properly on a web page.
    - **User Session Bar** – Specify whether or not this gadget will display a “Login” link to site visitors. For example, if your site already has a dedicated user session bar, you can hide the dashboard’s user session bar by selecting the check box.
  - e. Click **Copy**.
2. Access the WebCenter Sites Admin interface, and insert the tag into the desired template:

#### Note

The dashboard widget tag can be inserted into page template. However, the dashboard requires a minimum page width of 980 pixels to render properly. Therefore, the template should only call the site’s header and footer, and not a side navigation.

- a. In the menu bar, mouse over the down-arrow icon, located at the extreme right of the screen, to render the applications bar.
- b. In the applications bar, click the WebCenter Sites **Admin** icon to open the WebCenter Sites Admin interface.
- c. Locate the template into which you wish to insert the dashboard’s widget tag:
  - 1) From the start menu options, click **Search**.
  - 2) In the “Search” results list, select **Find Template**.
  - 3) In the “Search for Templates” form, click **Search**.
  - 4) In the “List of Templates” screen, select the template into which you wish to insert the dashboard widget tag.
- d. In the template’s “Inspect” form, click **Edit**.

- e. In the template's "Element" screen, insert (**Ctrl+V**) the widget tag into the "Element Logic" field in the exact location you want to display the dashboard.

Template: FSIIDetail

Usage: Element defines a whole HTML page and can be called externally.

Called Templates: FSIIDetail, FSIIDetail, FSIILayout, G\_JSON

Create Template Element? XML JSP HTML

Rootelement: /FSIIDetail

ElementCatalog Description:

Element Storage Path/File Name: FSIIDetail.jsp

Element Logic:

```
</html>
<div id="welcome_dash" class="gas"></div>
<script type="text/javascript" charset="UTF-8">
var cos;
if (typeof(cos) == 'undefined')
{
cos = {};
cos.pageWidgets = new Array();
}
else if (typeof(cos.pageWidgets) == "undefin
{
cos.pageWidgets = new Array();
}
cos.pageWidgets.push({
name:"gas_dashboard",
version:"0.1",
attributes: {"site_id":"GadgetServer",
elementID: "welcome_dash"
});
setTimeout(
function() {if (typeof
,10000);
</script>
<script type="text/javascript" src="http://base
```

Element Parameters: tid=1121304726698

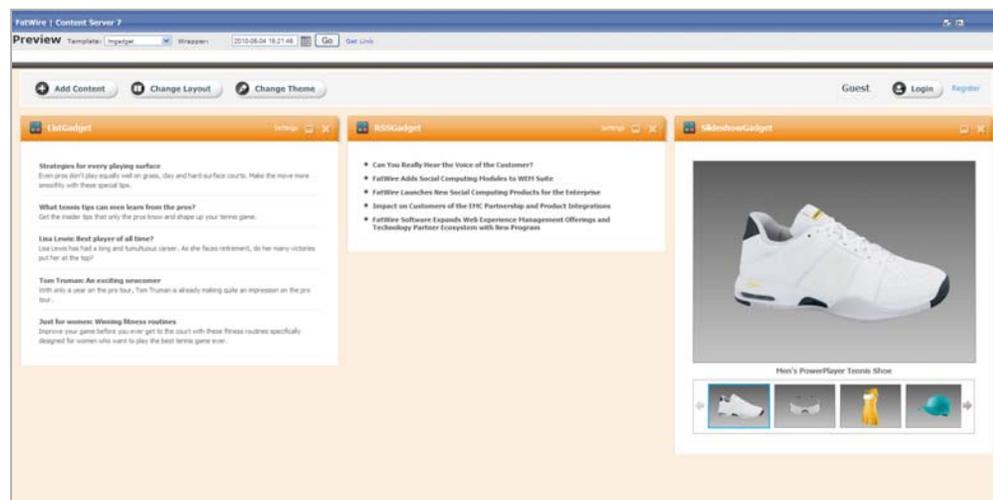
Additional Element Parameters:

Cancel Save Changes Continue

- f. Click **Save Changes**.

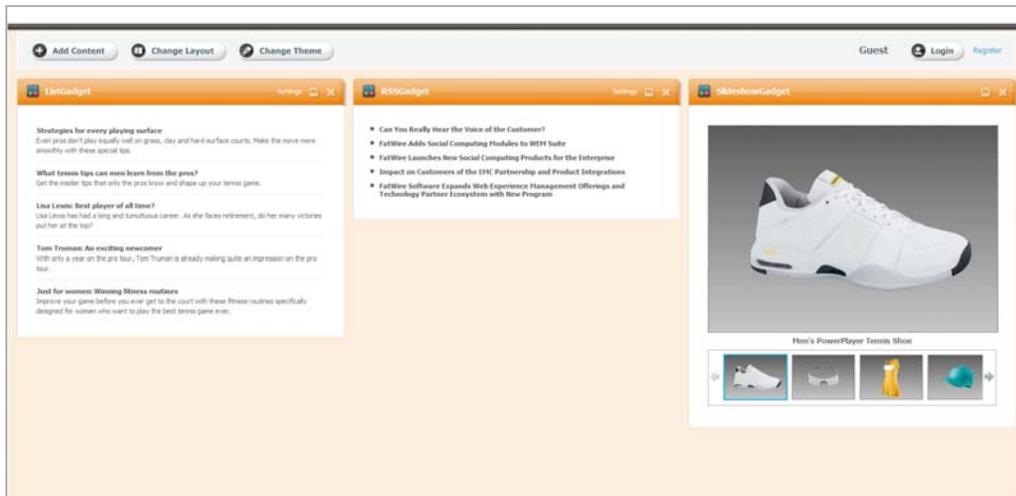
3. Preview the dashboard widget to ensure it is properly rendered on the page:
- Locate the page that is rendered by the template containing the dashboard's widget tag.
  - In the page's "Inspect" form, click **Preview**.

The page's preview opens displaying the dashboard:



- Publish the template. For instructions, see the *Oracle WebCenter Sites Administrator's Guide*.
- Access the website to view the dashboard on the page.

The dashboard you deployed should look similar to the dashboard rendered on the web page shown below:



For instructions on customizing the dashboard on the website, see [Chapter 7, “Testing Deployed Gadgets.”](#)

## Deploying a Single Gadget

Deploying a gadget's widget tag to a web page renders the gadget on that page. The tag specifies the gadget's metadata, appearance settings, and authorized domain (if any).

When a gadget's widget tag is deployed, if the gadget's settings can be modified, any visitor can modify them. If the gadget supports OAuth and the visitor using the gadget is authenticated, the gadget can retrieve the visitor's personalized data and/or deliver personalization functionality from the website that hosts the gadget.

### Note

To deploy an individual gadget to a template, you will access the WebCenter Sites Admin interface (**Admin**). Ensure the WebCenter Sites Admin interface is assigned to the same site as the Gadgets User interface.

### To deploy a single gadget's widget tag

1. Copy the desired gadget's widget tag in the "Single Gadget Deployment" screen:
  - a. Log in to WebCenter Sites with administrator or designer credentials.
  - b. Access the desired site on which the Gadgets User interface is enabled, and select the **Gadgets** icon.
  - c. In the menu bar, select **Deployment > Single Gadget**.

The screenshot shows the 'Single Gadget Deployment' screen in the FatWire Gadget Server. The navigation bar includes 'FatWire', 'Gadget Server', 'Gadgets', 'Dashboard', 'Permissions', 'Settings', and 'Deployment'. The main content area has the title 'Single Gadget Deployment' and the following fields:

- Gadget:** Product Slideshow (dropdown menu)
- Resource ID:** res\_id\_4469 (text input)
- Show Gadget Title Bar:**
- Tag:** A text area containing the following JavaScript widget tag:
 

```
<div id="res_id_4469" class="gas_gas_single_gadget"></div>
<script type="text/javascript">
var gas = gas || {};
gas.pageWidgets = gas.pageWidgets || [];
gas.pageWidgets.push({
  name:"gas_dashbaord-single_gadget",
  version:"0.1",
  attributes: {
    site_id:"FirstSiteII",
    resource_id:"res_id_4469",
    gadget_id:"1293046247729",
    show_title : true
  },
  elementID: "res_id_4469"
});
setTimeout(
function()
{
  if (this.gas.dash)
  {
    document.getElementById("res_id_4469").innerHTML =
"<div style="
+ "font-family: Tahoma, Verdana, Geneva, sans-serif;"
+ "font-size: 12px;color: #333333;"
+ "border: 1px solid #dbf61;padding: 4px;"
+ "background-color: #ffffff;"
+ "Gadget Server is unavailable...</div>";
  }
},30000);
</script>
<script type="text/javascript" src="http://10.120.19.209:8180/gas-service/widgets/FirstSiteII/gas_dashbaord/0.1.js"></script>
```

A 'Copy' button is located at the bottom of the tag field.

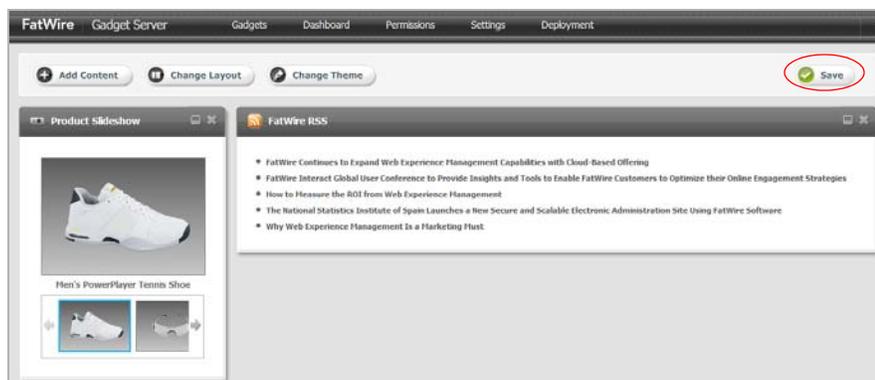
- d. In the “Single Gadget Deployment” screen, fill in the following fields:
  - **Gadget** – Select the gadget whose widget tag you wish to deploy to a template.
  - **Resource ID** – Specify a unique identifier for this particular gadget instance. The resource ID you assign to the gadget becomes the gadget’s unique identifier on the website. If you want to deploy the same gadget with different settings on the same site, assign the gadget a different resource ID.
  - **Show Gadget Title Bar** – Specify whether this gadget will display a title bar along with its content.
- e. Click **Copy**.
2. Access the WebCenter Sites Admin interface, and insert the tag into the desired template. Preview how the gadget will be displayed on the website, publish the template, and access the website to view the gadget on the page. For instructions, see [steps 2 – 5](#) in the “[Deploying the Dashboard Widget Tag](#)” section.

## Modifying the Deployed Dashboard

If you modify the appearance of the dashboard after its deployment, your changes are automatically propagated to the dashboards of new visitors and anonymous visitors who have reset their browsers. Because authenticated visitors can save their personal settings, their dashboards remain unaffected by your changes.

### To modify the deployed dashboard’s defaults

1. Log in to WebCenter Sites as a general administrator, site administrator, or designer.
2. Access the desired site on which the Gadgets User interface is enabled, and select the **Gadgets** icon.
3. In the menu bar, select **Dashboard**.
4. Make the necessary changes to the dashboard’s default gadgets, layout, and color theme. For instructions about modifying the dashboard’s defaults, see “[Configuring Dashboard Defaults](#),” on page 48.
5. In the gadget selection toolbar, click **Save**.



The modifications you made are automatically propagated to the dashboards of new visitors and anonymous visitors who have reset their browsers.



## Chapter 7

# Testing Deployed Gadgets

This section provides information and instructions on working with the deployed dashboard and individual gadgets as a website visitor (authenticated and anonymous).

This chapter contains the following sections:

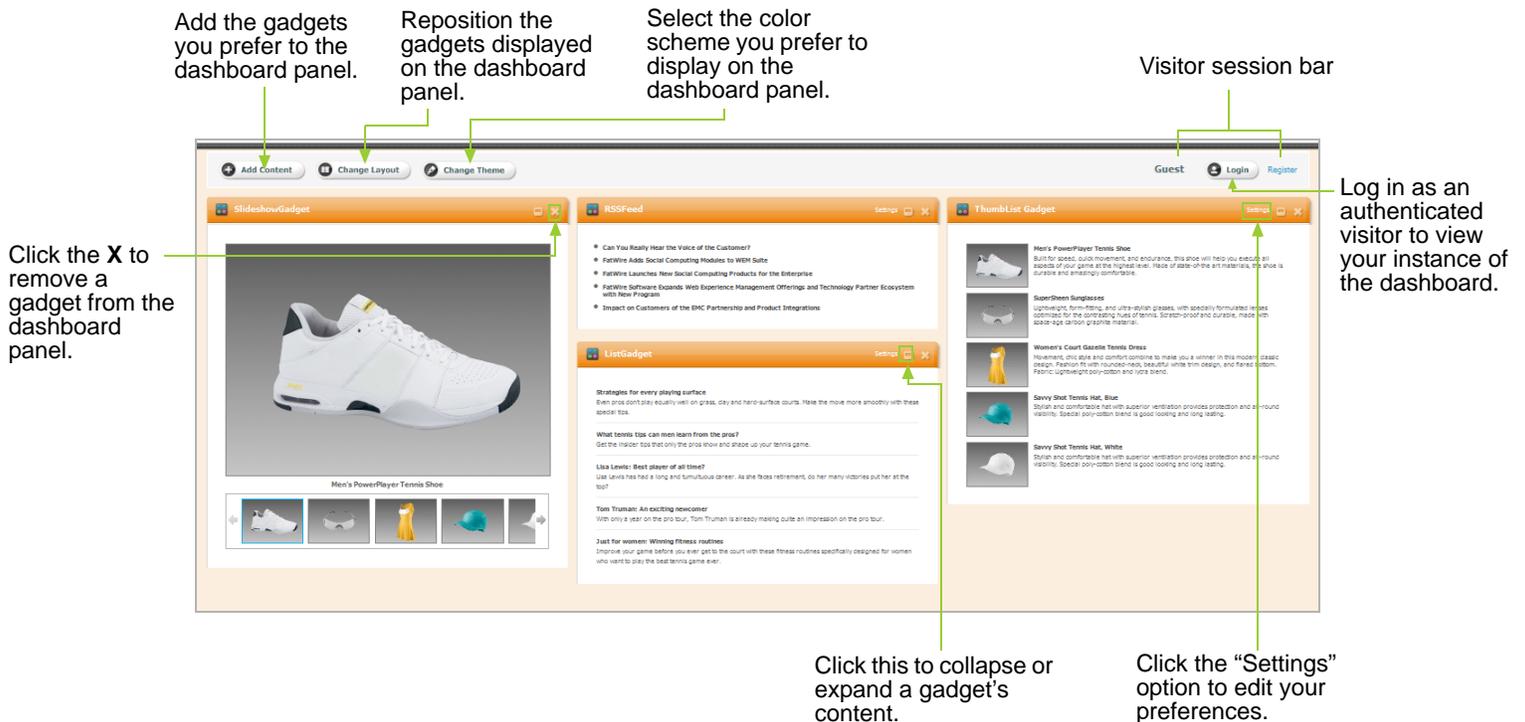
- [Sample Dashboard Deployed on a Website](#)
- [Working with the Dashboard as a Visitor](#)
- [Sample Gadget Deployed on a Website](#)

## Sample Dashboard Deployed on a Website

The dashboard is a container for the gadgets enabled in a given site gadget catalog. A site gadget catalog and dashboard on the same instance of the Gadgets User interface share a dynamic relationship, meaning any gadget enabled in the site's gadget catalog is automatically made available on the dashboard's gadget selection panel. When the dashboard is deployed to a web page, the gadgets, layout, and theme that were configured for the dashboard panel are displayed as defaults to visitors (as shown in [Figure 11](#)).

The deployed dashboard can be personalized, meaning visitors (authenticated and anonymous) can modify their own instances of the dashboard to display their preferred gadgets, layout, and color theme. Changes made by authenticated visitors are automatically saved. Changes made by guests persist only for the duration of the session. For information about personalizing the dashboard, see “[Working with the Dashboard as a Visitor](#),” on page 63.

**Figure 11:** Sample dashboard panel deployed on a web page



## Working with the Dashboard as a Visitor

All visitors can personalize the default dashboard panel to display the gadgets, layout, and color theme they prefer. The changes made by an anonymous visitor are saved to that visitor's browser. These changes are temporary, and when the visitor resets her browser the dashboard returns to its default appearance. Authenticated visitors have their own instance of the dashboard. When an authenticated visitor modifies the dashboard panel's appearance, the changes are saved to the Gadgets application's server.

This section contains the following topics:

- [Logging in to the Website](#)
- [Personalizing the Dashboard](#)
- [Modifying a Gadget's Visitor Preferences](#)

### Logging in to the Website

When you log in to the website, you are presented with your own customizable instance of the dashboard.

#### To log in to the website

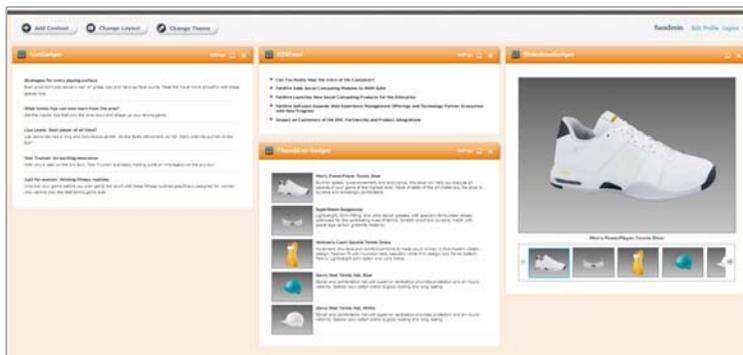
1. Access the web page on which the dashboard is deployed.
2. Click **Login**.

The log in screen opens above the dashboard panel:



3. Fill in the “Username” and “Password” fields. **Log in credentials are case-sensitive.**
4. Click **Login**.

Your own instance of the dashboard is displayed.



## Personalizing the Dashboard

Your options for personalizing the dashboard panel are the following:

- [Adding \(or Removing\) Gadgets to \(from\) the Dashboard Panel](#)
- [Modifying the Layout of the Dashboard](#)
- [Modifying the Color Theme of the Dashboard](#)

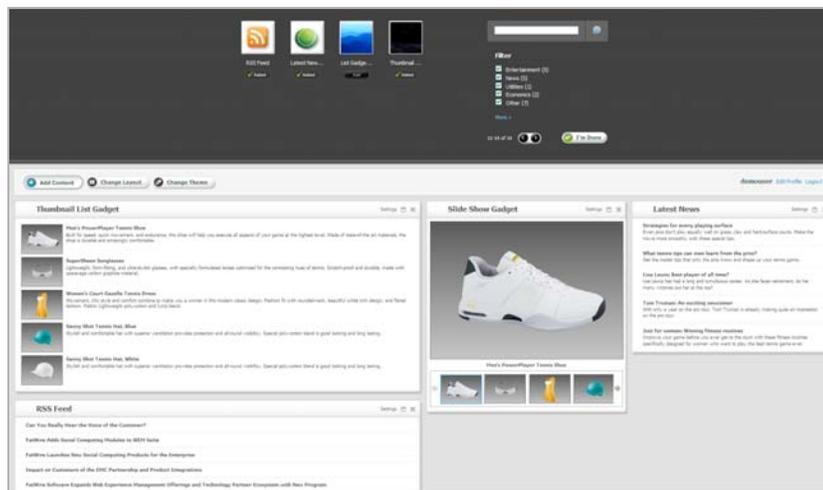
### Adding (or Removing) Gadgets to (from) the Dashboard Panel

The gadget selection panel contains all the available gadgets, as thumbnails, that visitors can add to the dashboard panel. Adding gadgets to the dashboard panel configures the dashboard to display the content of those gadgets. If a visitor removes a gadget from the dashboard panel, that gadget will still be available from the dashboard's gadget selection panel, as a thumbnail.

#### To add gadgets to the dashboard panel

1. Access the web page on which the dashboard is deployed.
2. If you are an authenticated visitor, log in to the website with your assigned credentials to access your own instance of the dashboard. If you are an anonymous visitor, skip to [step 3](#).
3. Click **Add Content**.

The gadget selection panel opens above the dashboard panel:



4. In the gadget selection panel, navigate to the gadget whose content you wish to display on the dashboard panel:
  - a. (Optional) To preview the gadget's content before adding it to the dashboard panel, click the gadget's thumbnail image.
  - b. Click **Add**.
5. Click **I'm Done**.

The gadget selection panel closes, and the added gadget's content is displayed on the dashboard panel.

- (Optional) To reposition a gadget on the dashboard panel, click the gadget's title bar and drag it to the desired slot on the dashboard panel.

### To remove a gadget from the dashboard panel

- Access the web page on which the dashboard is deployed.
- If you are an authenticated visitor, log in to the website with your assigned credentials to access your own instance of the dashboard. If you are an anonymous visitor, skip to [step 3](#).
- In the dashboard panel, navigate to the gadget whose content you do not wish to display, and click the **X** icon (located in the title bar of the gadget you wish to remove).

The gadget is removed from the dashboard panel, but is still accessible to the visitor from the selection panel.

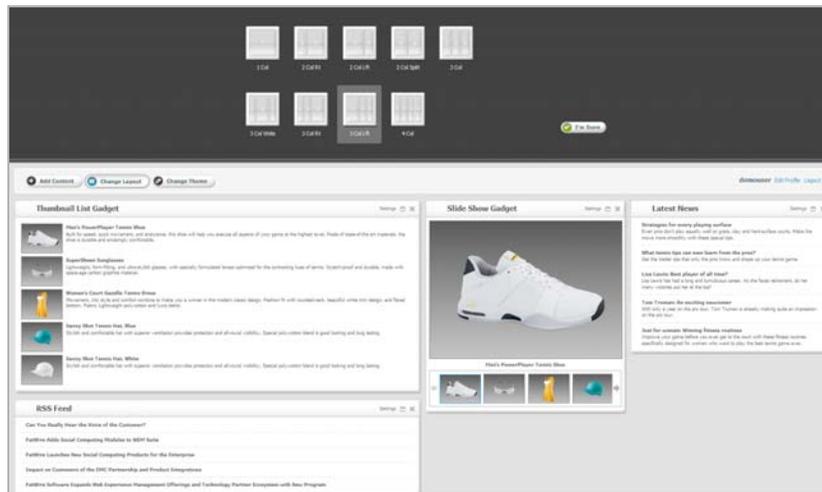
## Modifying the Layout of the Dashboard

The layout panel enables visitors to reposition the gadgets that are displayed on the dashboard panel.

### To modify the layout of the dashboard

- Access the web page on which the dashboard was deployed.
- If you are an authenticated visitor, log in to the website with your assigned credentials to access your own instance of the dashboard. If you are an anonymous visitor, skip to [step 3](#).
- Click **Change Layout**.

The layout panel opens above the dashboard panel:



- In the layout panel, select the layout you wish to apply to the dashboard panel.
- Click **I'm Done**.

The layout you selected is applied to the dashboard panel.

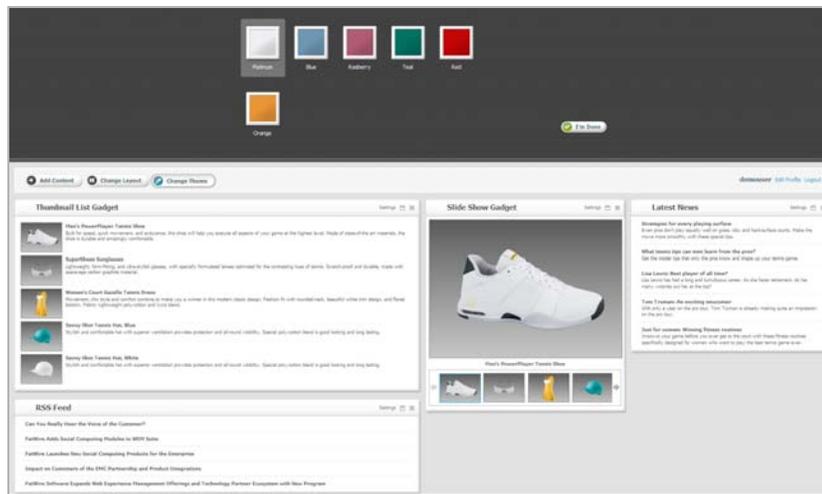
## Modifying the Color Theme of the Dashboard

Visitors can manage the color scheme of the dashboard panel background and gadget title bars with the color options available from the dashboard's theme panel.

### To modify the color theme of the dashboard

1. Access the web page on which the dashboard was deployed.
2. If you are an authenticated visitor, log in to the website with your assigned credentials to access your own instance of the dashboard. If you are an anonymous visitor, skip to [step 3](#).
3. Click **Change Theme**.

The theme panel opens above the dashboard panel:



4. In the theme panel, select the color you wish to apply to the dashboard panel.
5. Click **I'm Done**.

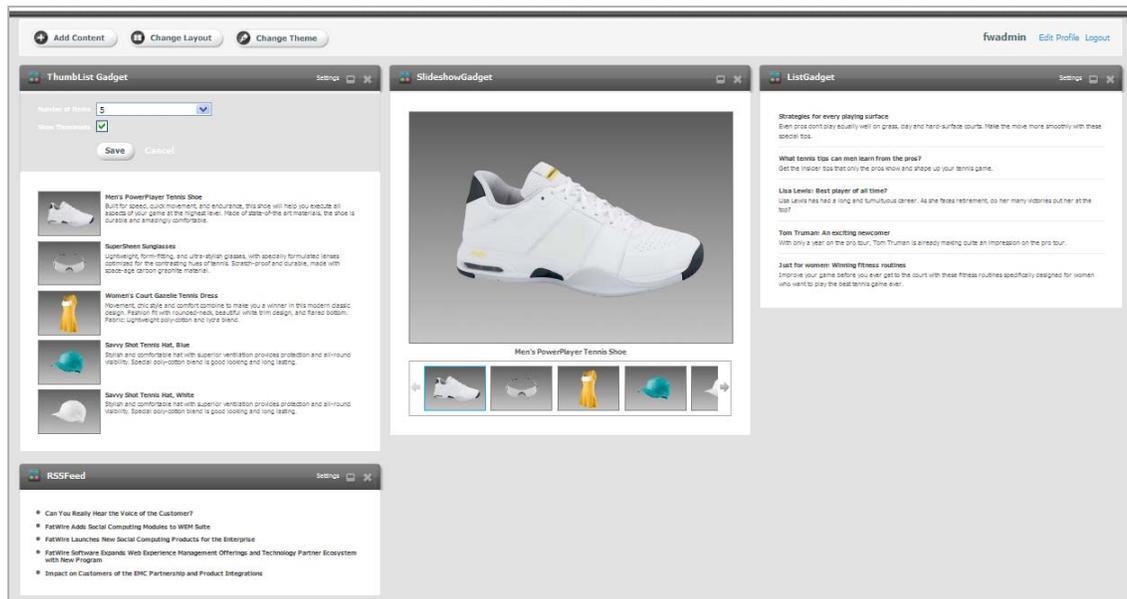
The color you selected is applied to the dashboard panel's background and the gadget title bars.

## Modifying a Gadget's Visitor Preferences

Certain gadgets, depending on how the gadget was developed, provide visitors with a “Settings” option for editing visitor preferences. For example, a weather gadget may provide visitors with a locale option so the gadget will display the weather forecast for the location the visitor specifies.

### To modify a gadget's visitor preferences

1. Access the web page on which the dashboard was deployed.
2. If you are an authenticated visitor, log in to the website with your assigned credentials to access your own instance of the dashboard. If you are an anonymous visitor, skip to [step 3](#).
3. In the dashboard panel, navigate to the desired gadget and select the **Settings** option on the gadget's title bar. If the gadget does not have a **Settings** option, then the visitor preferences for that gadget are not modifiable.



4. Select the desired preferences for the gadget. For example, the “ThumbList” gadget enables visitors to select the number of items that will be rendered in its list.
5. Click **Save**, to save your preferences.

## Sample Gadget Deployed on a Website

All gadgets that are enabled on a given site catalog can be deployed individually on web pages to display the gadget's content to visitors. This is because a site gadget catalog and the "Single Gadget Deployment" screen share a dynamic relationship on the same instance of the Gadgets User interface. When the gadget is deployed it displays the current settings and metadata configured for it in the Gadgets User interface. Figure 12 shows two gadgets deployed individually on a sample web page.

**Figure 12:** Individually deployed gadgets on a web page

The screenshot shows a website with a blue header for 'force sport'. The main content area features an article titled 'An Ace is Born' with a subtitle and a photo of a tennis player. Two gadgets are deployed on the page:

- Tennis Gadget:** A gadget titled 'Tennis' with a 'Settings' button. It contains a search bar and a table of tennis player rankings.
 

Rank	RankName & Nationality	Poin
1	Nadal, Rafael (ESP)	11,8
2	Federer, Roger (SUI)	7,69
3	Djokovic, Novak (SRB)	6,94
4	Murray, Andy (GBR)	5,67
5	Soderling, Robin (SWE)	4,96
6	Berdych, Tomas (CZE)	3,71
7	Ferrer, David (ESP)	3,64
8	Roddick, Andy (USA)	3,48
9	Verdasco, Fernando (ESP)	3,24
10	Youzhny, Mikhail (RUS)	2,95
11	Davydenko, Nikolay (RUS)	2,86
12	Melzer, Jurgen (AUT)	2,65
13	Tsonga, Jo-Wilfried (FRA)	2,52
14	Monfils, Gael (FRA)	2,48
15	Clitic, Marin (CRO)	2,39
16	Almagro, Nicolas (ESP)	2,19
- Utils Gadget:** A gadget titled 'Utils' with a 'Settings' button. It contains a search bar with a star icon and a 'FIND' button.

Annotations on the left side of the image point to the 'Tennis' gadget title bar and the 'Tennis' gadget's content area.

## Working with a Single Gadget as a Visitor

Individually deployed gadgets are displayed to all visitors (authenticated and anonymous). Certain gadgets enable visitors to modify the gadget's settings, and other gadgets support OAuth which enables the gadget to retrieve an authenticated visitor's personalized information and/or delivers the gadget's personalization functionality to the visitor from the gadget's OAuth Service Provider.

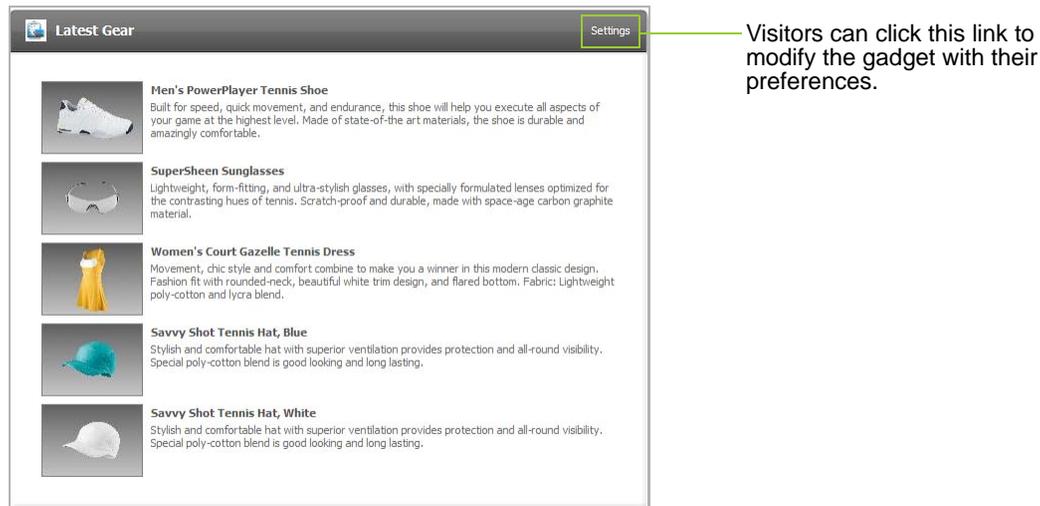
This section contains the following:

- [Modifying an Individually Deployed Gadget's Settings](#)
- [Personalizing a Gadget with OAuth Support](#)

### Modifying an Individually Deployed Gadget's Settings

All visitors can personalize the visitor preferences of a given gadget (depending on how the gadget was developed). For example, the sample ThumbList gadget's **Settings** link enables visitors to display or hide the thumbnail images of the products listed in the content of the gadget. It also enables visitors to specify the amount of products the gadget displays at one time.

**Figure 13:** ThumbList gadget displaying a **Settings** link



For instructions about working with a gadget whose settings can be modified, see [“Modifying a Gadget's Visitor Preferences,”](#) on page 67.

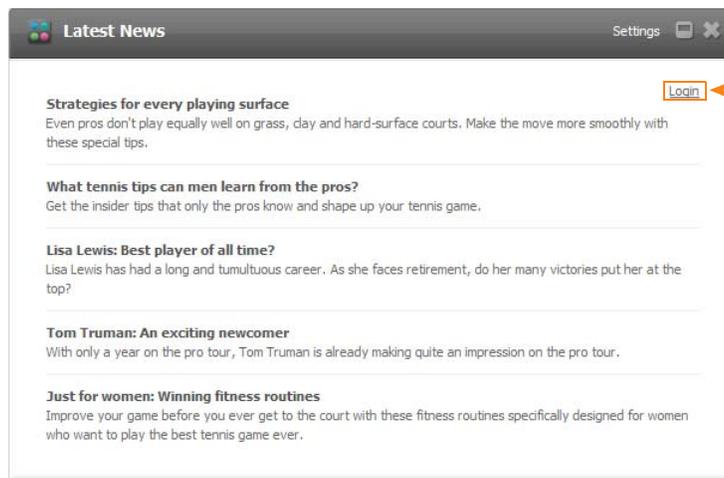
## Personalizing a Gadget with OAuth Support

Certain gadgets support OAuth, which enables a visitor to log in to the gadget and access certain data stored on the gadget's OAuth Service Provider. Gadgets with OAuth support use an access token to obtain a visitor's personalized data from their OAuth Service Provider. This access token is stored on the Gadgets application, instead of the visitor's credentials.

In this example, the sample List Gadget supports OAuth. When a visitor logs in to the gadget, it displays that visitor's profile picture and user name.

### To personalize a gadget with OAuth support

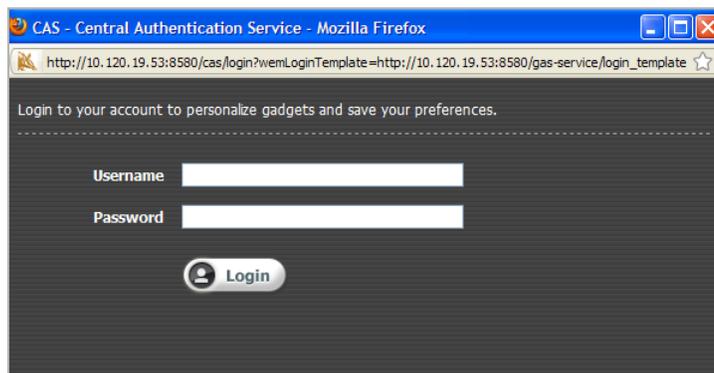
1. Access the web page on which the gadget with OAuth support is deployed.



Visitors click this link to log in to the gadget and access their personalized data.

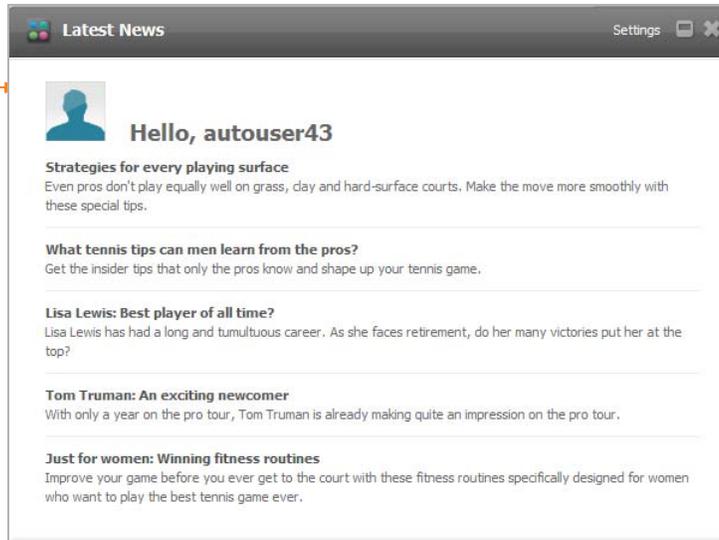
2. Navigate to the gadget and access your personalized data:
  - If the gadget's OAuth Service Provider is the Gadgets application, the gadget obtains your credentials from the dashboard's visitor session bar. If there is no visitor session bar, continue to [step 3](#).
  - If the gadget's OAuth Service Provider is a third-party web service, continue to [step 3](#).
3. Click **Login**.

A pop-up window opens displaying the log in form of the gadget's OAuth Service Provider (the Gadgets application in this example):



4. Log in with your assigned credentials, either for the Gadgets application or the third-party web service to which the gadget is connected (for example *Google* or *Twitter*). Your personalized data is displayed inside the gadget.

The gadget retrieves the visitor's user name and profile picture from its OAuth Service Provider (the Gadgets application in this example).



The gadget's OAuth session is associated with an access token which the gadget uses to retrieve the visitor's personalized data. The Gadgets application maintains this access token, so the next time the visitor accesses the web page, the gadget displays her personalized data without the visitor having to log in to the gadget again.



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# Glossary

This glossary explains the terms throughout this guide that are specific to the Gadgets application.

## **Anonymous Visitor**

A [Site Visitor](#) who does not have login credentials to the website. These visitors are able to view and temporarily personalize their instances of the [Dashboard](#) and the instances of individually deployed gadgets.

## **Authenticated Visitor**

A [Site Visitor](#) with login credentials to the website. Each authenticated visitor has her own modifiable instance of the [Dashboard](#) on the website. Preferences set by authenticated visitors are automatically saved.

## **CM Site**

A content management site.

## **Consumer Key**

Also known as an API key, this is a value used by a [Gadget with OAuth Support](#) to identify itself to the OAuth Service Provider.

## **Consumer Secret**

A secret used by a [Gadget with OAuth Support](#) to establish ownership of the [Consumer Key](#) to the OAuth Service Provider.

## **Consumer Signature Method**

The type of digital signature algorithm used to sign requests secured with OAuth (HMAC-SHA1 or RSA-SHA1). The signature process encodes the [Consumer Key](#) and [Consumer Secret](#) into a verifiable value. This prevents unauthorized parties from using the gadget-specific *consumer key* and *secret* to access a visitor's protected resources.

**{cs\_site}**

The site where the [Global Gadget Catalog Interface](#) is enabled. This site is specified during the Gadgets application's installation process. For more information, see the *Oracle WebCenter Sites Installation Guide for the Gadgets Application*.

**Dashboard**

The Gadgets application's container interface, which is used to deliver and display multiple [Gadgets](#) to site visitors. The dashboard displays the [Dashboard Panel](#) where selected gadgets are displayed at full size, and a toolbar that opens a [Dashboard Customization Workspace](#) which is used to personalize the dashboard panel. The workspace presents gadgets as thumbnails, which users and visitors can expand and place on the dashboard panel. The workspace also provides options for modifying dashboard layout and color scheme. The dashboard is available from the [Gadgets User Interface](#).

**Dashboard Customization Workspace**

The workspace that opens above the [Dashboard Panel](#) when you click one of the toolbar options on the [Dashboard](#). The option you select determines the panel that is displayed. *See also* gadget selection panel, layout panel, and theme panel.

**Dashboard Panel**

The space that displays the gadgets users and visitors select from the [Dashboard Customization Workspace](#). The gadgets are displayed at full size. The dashboard panel can be configured via the toolbar options to display gadgets in a preferred layout and color scheme.

**Dashboard Widget Tag**

The [Deployment](#) tag that is configured with default settings for the [Dashboard](#). [General Administrators](#), [Site Administrators](#), and [Designers](#) deploy this tag on web pages to display the default dashboard to [Site Visitors](#) and provide them with personalization tools for their dashboard instances.

**Deployment**

The process of inserting a [Single Gadget Widget Tag](#) or the [Dashboard Widget Tag](#) into a template asset, and then publishing the template to the website.

**Designer**

A user with privileges to manage the appearance of the default [Dashboard](#) and deploy the [Dashboard Widget Tag](#) and [Single Gadget Widget Tags](#) on web pages.

**Enabling Gadgets**

To make gadgets that are registered with the [Global Gadget Catalog](#) available on [Site Gadget Catalogs](#).

**FW\_CSGadget**

The asset type of the Gadgets application's sample gadget assets. The `FW_CSGadget` asset type's description is `CS-Based Gadget`. For detailed information about sample gadgets, see the *Oracle WebCenter Sites Developer's Guide for Creating Gadgets*.

**Gadget**

A remote piece of functionality that is defined by a gadget descriptor XML file and delivers dynamic content from one website to another.

**Gadget Descriptor URL**

The URL of a gadget's descriptor XML file. The file contains the code responsible for rendering the gadget.

**Gadget Selection Panel**

One of three options available on the [Dashboard Customization Workspace](#). Clicking this option presents gadgets as thumbnail images, which users and website visitors can select and display as full-size gadgets on the [Dashboard Panel](#). *See also* layout panel and theme panel.

**Gadgets User Interface**

The Gadgets application that runs on a site other than the site on which the [Global Gadget Catalog Interface](#) is enabled. This interface provides a site's administrators and designers with a *site gadget catalog*, a dashboard, "Permissions" and "Settings" screens, a single gadget *deployment* screen, and a dashboard [Deployment](#) screen.

**Gadget with OAuth Support**

A gadget that uses the OAuth protocol for visitor authentication. When the Gadgets application is synchronized with the gadget's OAuth Service Provider (which can either be the Gadgets application or a third-party website), the gadget can retrieve an authenticated visitor's identity and grant the visitor access to her personalized data from the gadget's OAuth Service Provider. To synchronize a gadget's OAuth Service Provider with the Gadgets application, you must provide the consumer key, consumer signature method, and consumer secret.

**General Administrator**

A user who has administrative privileges to the entire WebCenter Sites system. These users can enable and manage the [Global Gadget Catalog Interface](#) by assigning the Gadgets application to the site specified in the `{cs_site}` variable during the Gadgets application's installation process. They can also enable the [Gadgets User Interface](#) by assigning the Gadgets application to sites other than the site on which the *global gadget catalog interface* is enabled.

**Global Gadget Catalog**

This gadget catalog is provided by the [Global Gadget Catalog Interface](#), and is managed by [General Administrators](#). It is the central repository for storing gadgets and distributing gadgets to various sites. When gadgets are registered to the global gadget catalog, they can

be enabled on a [CM Site](#) via [Site Gadget Catalogs](#), provided by the Gadgets application running on those sites. (Gadgets can also be registered directly to a *site gadget catalog*.)

### **Global Gadget Catalog Interface**

The Gadgets application that runs on the site specified in the `{cs_site}` variable during the installation process of the Gadgets application. This interface provides [General Administrators](#) with the [Global Gadget Catalog](#).

### **Registering Gadgets**

The process of specifying a gadget's metadata and [Gadget Descriptor URL](#) in the [Global Gadget Catalog Interface](#) or a [Gadgets User Interface](#).

### **Layout Panel**

One of three options available on the [Dashboard Customization Workspace](#). Clicking this option enables users and website visitors to reposition the gadgets that are displayed on the [Dashboard Panel](#) and adjust their width. *See also* gadget selection panel and theme panel.

### **Single Gadget Widget Tag**

The [Deployment](#) tag that is configured with the settings of a single gadget. In the "Single Gadget Deployment" screen, administrators and designers choose the gadget they wish to deploy from the "Gadget" menu and then deploy the selected gadget's tag on web pages to display an individual instance of that gadget to visitors.

### **Site Administrator**

A user who is an administrator of her assigned content management site and its applications, including the Gadgets application. These users have permissions to all [Gadgets User Interface](#) functions. However, their main purpose is to manage the [CM Site](#)'s gadgets in the [Site Gadget Catalog](#).

### **Site Gadget Catalog**

This gadget catalog is specific to the site on which the [Gadgets User Interface](#) is enabled. It is provided by the *Gadgets User interface* for the purpose of storing the site's gadgets and making them available on the [Dashboard](#) and for single gadget deployment. A site gadget catalog, its dashboard, and its "Single Gadget Deployment" screen are dynamically associated. Site gadget catalogs are managed by site administrators.

### **Site Visitor**

Any visitor of the website. *See also* Anonymous Visitor and Authenticated Visitor.

### **Theme Panel**

One of three options available on the [Dashboard Customization Workspace](#). Clicking this option enables users and website visitors to customize the color scheme of the [Dashboard Panel](#). *See also* gadget selection panel and layout panel.