Oracle® WebCenter Sites

Gadgets Upgrade Guide

11*g* Release 1 (11.1.1) Bundled Patch 1

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ORACLE®

Oracle® WebCenter Sites: Gadgets Upgrade Guide, 11*g* Release 1 (11.1.1) Bundled Patch 1

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About This Guide

This guide describes the process of upgrading Oracle WebCenter Sites: Gadgets 11*g*R1 to Gadgets 11*g*R1 Bundled Patch 1, running on Oracle WebCenter Sites 11*g*R1.

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

- *Oracle WebCenter Sites* is the current name of the application previously known as *FatWire Content Server*. In this guide, *Oracle WebCenter Sites* is also called *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*, or the *Gadgets application*.

Audience

This guide is for installation engineers and anyone else who has experience installing and configuring WebCenter Sites: Gadgets.

Related Documents

For more information, see the following documents for the 11*g*R1 Bundled Patch 1 release, available at `http://docs.oracle.com`:

- *WebCenter Sites Release Notes*
- *WebCenter Sites Certification Matrix*
- *WebCenter Sites Upgrade Guide*
- *WebCenter Sites: Gadgets Release Notes*
- *WebCenter Sites Installation Guide for the Gadgets Application*

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.

Third-Party Licenses

Oracle WebCenter Sites and its applications include third-party libraries. For additional information, see *Oracle WebCenter Sites 11g*R1 *Bundled Patch 1: Third-Party Licenses*.

Chapter 1

Before You Upgrade

This guide is written for experienced Gadgets installation engineers. Before upgrading, read this guide to gain an understanding of the upgrade strategy, prerequisites, and procedures.

This chapter contains the following sections:

- Planning the Upgrade Process
- Pre-Upgrade Steps
- Changes During the Upgrade Process

Planning the Upgrade Process

Note

If your WebCenter Sites installation will not be upgraded to 11*g*R1 Bundled Patch 1, do not upgrade the Gadgets application. The upgraded version runs on WebCenter Sites 11*g*R1 Bundled Patch 1 and does not provide changes to any major features. The main purpose of upgrading Gadgets is to ensure compatibility with WebCenter Sites 11*g*R1 Bundled Patch 1.

In a production environment, upgrades disrupt the operation of active systems and may result in extended downtime. To minimize such disruptions, Oracle highly recommends adopting the strategy outlined in this section when upgrading Gadgets 11*g*R1 to 11*g*R1 Bundled Patch 1.

Note

This guide uses the term “active” to denote any management and production servers that are currently serving gadgets and whose unexpected downtime will affect business and productivity of the organization.

Before upgrading an active Gadgets environment, it is critical to perform a trial upgrade on a duplicate environment. The trial upgrade will help you detect and document system-specific issues and correct them in advance of the actual upgrade. If a duplicate environment is not available, start by upgrading the management and delivery (production) systems. Note that this approach is highly risky; it should not be attempted unless extended downtime is deemed acceptable.

Pre-Upgrade Steps

This guide is written for experienced Gadgets installation engineers. Before upgrading to Gadgets 11*g*R1 Bundled Patch 1, complete the following steps:

- Read the rest of this guide to familiarize yourself with the upgrade prerequisites and procedures.
- Read the following documents from the 11*g*R1 Bundled Patch 1 release, available at `http://docs.oracle.com`:
  - *WebCenter Sites Release Notes*
  - *WebCenter Sites Certification Matrix*
  - *WebCenter Sites Upgrade Guide*
  - *WebCenter Sites: Gadgets Release Notes*
  - *WebCenter Sites Installation Guide for the Gadgets Application*
- Upgrade your Content Server 7.6 Patch 2 or WebCenter Sites 11*g*R1 environment to WebCenter Sites 11*g*R1 Bundled Patch 1 (after successfully upgrading to WebCenter Sites 11*g*R1 Bundled Patch 1, you will upgrade Gadgets to 11*g*R1 Bundled Patch 1):

- Stop all WebCenter Sites and Gadgets application servers.
- Back up your Content Server 7.6 Patch 2 or WebCenter Sites 11*g*R1 environment. Ensure that you back up the database. For detailed instructions, see the *Backup and Recovery Guide* for your Content Server or WebCenter Sites installation.
- Upgrade to version 11*g*R1. For instructions, see the *WebCenter Sites 11gR1 Bundled Patch 1 Upgrade Guide*.

Note

When securing the Central Authentication Service (CAS) application by adding approved service URLs to the white list, remember to add the Gadgets URLs (add all management and production Gadgets URLs, except for gas-boot, to both the management and delivery CAS configurations).

- Back up your Gadgets 11*g*R1 environment:
  - Back up your current Gadgets management files `gas-admin.war`, `gas-os.war`, `gas-boot.war`, `gas-service.war`, and your current production files `cas.war`, `gas-os.war`, `gas-service.war`, `user-service.war`, `gas-boot.war`.
  - Back up the Gadgets installation directory (and the WebCenter Sites database, if it is not already backed up). In the upgrade process, you will use the backed-up installation directory and database to reapply the customizations they may contain.

Changes During the Upgrade Process

Upgrading from Gadgets 11*g*R1 to 11*g*R1 Bundled Patch 1 does not provide changes to any major features. The main purpose of this release is to ensure compatibility with WebCenter Sites 11*g*R1 Bundled Patch. Details can be found in release notes.

Chapter 2

Upgrading Gadgets to 11*g*R1 Bundled Patch 1

This chapter contains instructions for upgrading a Gadgets 11*g*R1 environment to Gadgets 11*g*R1 Bundled Patch 1, running on Oracle WebCenter Sites 11*g*R1.

This chapter contains the following sections:

- Upgrade Notes
- Upgrading the Gadgets Environment
- Verify the Upgraded Environment

Upgrade Notes

Before starting the steps in this section:

- Ensure that you have read Chapter 1, "Before You Upgrade" and performed the steps applicable to your environment.
- Keep in mind the following: In a clustered environment, all members need to be upgraded before you verify the installation.

Upgrading the Gadgets Environment

In this section, you will run the WebCenter Sites Gadgets 11*g*R1 Bundled Patch 1 installer on each instance of Gadgets 11*g*R1.

1. Extract the Gadgets 11*g*R1 Bundled Patch 1 installer archive into a temporary directory and run the installer script.
   - On Windows: **`configureGS.bat`** (located in the `GS_Config` folder)
   - On Unix: **`./configureGS.sh`** (located in the `GS_Config` folder)

   Note

   If the previous installer folder was not removed, it is possible to use its "answers" file (`GSsettings.ini`). Place this file inside the new installer folder; the installer picks up the settings used in the previous installation. Adjust them if needed. For the installation directory, specify the existing installation directory. For more information, see the *WebCenter Sites Installation Guide for the Gadgets Application*.

   Once the installation is completed, you will have created Gadgets applications files ready for deployment.
2. If the current Gadgets application has manual configurations (such as changes to the `gas_shindig.properties` and `gas_features.txt` files), manually adjust the necessary files in the newly created `war/ear` files with the requested changes (custom settings can be found in the backed-up `war` files).
3. Redeploy the new applications to the application servers. Check the following files of the Gadgets application during the upgrade processes and post-upgrade testing:
   - Management logs: `gas-admin.log`, `gas-os.log`, `gas-boot.log`, `gas-service.log`
   - Production logs: `cas.log`, `gas-boot.log`, `gas-os.log`, `gas-service.log`, `user-serice.log`
   - Application server logs

   If an error occurs, you can trace its source by reviewing the logs.

Verify the Upgraded Environment

Complete the following steps on each Gadgets instance (management and production) in the upgraded environment.

1. Log in to the WebCenter Sites Gadgets application as a general administrator.
2. Test the WebCenter Sites Gadgets Admin interface and all functions that are routinely used during normal operations. For example, register the Gadgets application and deploy the dashboard to the target site.
3. Test the deployed gadgets and the gadgets dashboard.