

ORACLE®

ATG WEB COMMERCE

Commerce Reference Store

Version 10.1

Installation and Configuration Guide

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ATG Commerce Reference Store Installation and Configuration Guide

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1 Introduction

This document describes how to install and configure the Oracle ATG Web Commerce Reference Store on the WebLogic, JBoss, and WebSphere application servers. This chapter covers the following topics:

[Document Conventions \(page 1\)](#)

[Important Terms \(page 1\)](#)

Document Conventions

This guide uses <ATG10dir> to represent the ATG installation directory (C:\ATG\ATG10.0.2, for example).

Important Terms

This section defines terms used throughout this guide.

- ATG products. Umbrella name for the software suite, particularly the platform.
- ATG installation. Collective name for the tools, files, classes, etc. used for developing and assembling J2EE applications.
- ATG application. A piece of software installed independent of the platform, which can be included as a module or set of modules in a Nucleus-based application.
- ATG server. A configuration layer that is available to be added to other configuration layers by the application assembler when assembling an EAR.
- ATG Dynamo Server Admin. Web pages used to configure and monitor the ATG installation.
- Component. A Java object instance of a specific configuration for a JavaBean that is registered with Nucleus.
- Nucleus-based application. An assembled EAR file created out of components managed by ATG's Nucleus component manager, running on the application server.
- CIM. A text-based application that simplifies configuration for ATG products.

2 Choosing an Installation Path

Commerce Reference Store can be installed and configured in two ways:

- **Evaluation Installation:** Evaluators who want to quickly install Commerce Reference Store and get the ATG Store storefront up and running should follow this path. The evaluation installation will let you poke around “under the hood” to see how things work and how they were implemented. Note that, if you want to use Commerce Reference Store as a starting point for custom development, you should perform a development installation instead.
- **Development Installation:** Developers who are interested in modifying and extending Commerce Reference Store should follow this installation path.

Identify which path makes the most sense for your current needs and refer to the appropriate installation instructions in this guide.

3 Evaluation Installation

The instructions in this section describe how to install an evaluation version of the Commerce Reference Store. It includes the following topics:

[Evaluation Installation Requirements \(page 5\)](#)

[Setting Environment Variables for an Evaluation Install \(page 6\)](#)

[Starting WebLogic before Installing \(page 6\)](#)

[Installing the Oracle ATG Web Commerce Software \(Evaluation Install\) \(page 7\)](#)

[Starting MySQL \(page 9\)](#)

[Configuring Commerce Reference Store \(page 9\)](#)

[Starting the ATG Store Storefront \(page 10\)](#)

[Accessing ATG Dynamo Server Admin \(page 11\)](#)

[Uninstalling the Evaluation Install \(page 12\)](#)

Note: If you plan to do custom development post-install, follow the [Development Installation \(page 17\)](#) path, instead.

Evaluation Installation Requirements

The Commerce Reference Store evaluation install is designed to run in the following environments:

- Oracle or Red Hat Linux/WebLogic/MySQL/JRockit JDK
- Windows/WebLogic/MySQL/Sun JDK

As such, the evaluation installation has the following requirements:

- A supported Linux or Windows operating system.
- A supported version of the JDK for your operating system.
- A supported version of the WebLogic application server. You must install WebLogic before installing the Oracle ATG Web Commerce platform. See the WebLogic documentation for detailed information.

-
- On Linux, a supported version of MySQL is installed and MySQL is in your path. (On Windows, the ATG platform installer will install MySQL for you.)

In addition to the software requirements listed above, the evaluation install uses port 7001 for WebLogic and 7003 for the ATG server. Both of these ports must be available in order for the evaluation install to be successful.

For more information on supported operating systems, WebLogic application server versions, and JDK versions, refer to the Oracle ATG Commerce Supported Environments Matrix document in the My Oracle Support knowledge base (<https://support.oracle.com/>).

Setting Environment Variables for an Evaluation Install

The evaluation install requires that you set the following environment variables:

- Set `JAVA_HOME` to include your JDK:
 - **On Linux**, set `JAVA_HOME` to include the JRockit JDK home directory, for example, `/usr/local/jrockit/jrockit-jdk1.6.0_22-R28.1.1-4.0.1`
 - **On Windows**, set `JAVA_HOME` to include the Sun JDK home directory, for example, `C:\jdk1.6.0_25`
 - Set `PATH` to include the JDK `/bin` directory:
 - **On Linux**, set `PATH` to include the JRockit JDK `bin` directory, for example, `/usr/local/jrockit/jrockit-jdk1.6.0_22-R28.1.1-4.0.1/bin`
 - **On Windows**, set `PATH` to include the Sun JDK `bin` directory, for example, `C:\jdk1.6.0_25/bin`
- Note:** On Linux, also make sure MySQL is in your path.
- Set `DYNAMO_HOME` to the `<ATG10dir>/home` directory, for example, `/usr/local/ATG/ATG10.1/home` or `C:\ATG\ATG10.1\home`
 - Set `WL_HOME` to WebLogic's `wlserver_10.3` directory, for example, `/usr/local/Oracle/Middleware/wlserver_10.3` or `C:\Oracle\Middleware\wlserver_10.3`

Also, make sure that no other application server environment variables are set; for example, make sure you have not set `JBOSS_HOME` or `WAS_HOME`.

Starting WebLogic before Installing

To start the WebLogic application server:

1. In a UNIX shell or Windows command prompt, change directories to your user domain's `bin` directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain/bin` or `C:\Oracle\Middleware\user_projects\domains\base_domain\bin`.
2. Enter one of the following commands to start WebLogic.

On Linux, enter:

```
./startWebLogic.sh
```

On Windows, enter:

```
startWebLogic.cmd
```

3. After WebLogic has started, indicated by the `<Server started in RUNNING mode>` message, open a browser and navigate to `http://hostname:7001/console` to start the WebLogic Server Administration Console.
4. Enter your WebLogic username and password and click Log In.

Installing the Oracle ATG Web Commerce Software (Evaluation Install)

The Commerce Reference Store evaluation install depends on installation of the following Oracle ATG Web Commerce products:

- The ATG platform
- Commerce Reference Store

All of the installers are available as self-extracting Windows executables or UNIX binary files, which you can download from the Oracle web site. On UNIX platforms, you must unjar the downloaded file to access the installer `.bin` file, and then set permissions so that you can run the installers. To set installer permissions, run the following command on your downloads directory:

```
chmod 777 *
```

Installing on Linux with GCJ (Evaluation Install)

The instructions in the sections below tell you to run various `.bin` files to start the setup programs. If you are installing on a Linux variety that includes GCJ, in order to avoid installation errors you must specify a JVM that includes the `javax.swing` classes, which are not included in GCJ, when running the `.bin` files. Use the following command format to run the `.bin` files:

```
$sh ./installer.bin LAX_VM path_to_java_executable
```

For example:

```
$sh ./ATG10_1.bin LAX_VM /usr/local/jdk1.6.0_25/bin/java
```

Installing the ATG Platform (Evaluation Install)

To install the ATG platform:

-
1. Run the `ATG10_1.exe|bin` file to start the setup program.
 2. On Windows, click Next.
 3. Accept the terms of the license agreement.
 4. Specify the installation folder for the ATG software (for example, `/usr/local/ATG/ATG10.1` or `C:\ATG\ATG10.1`).
 5. Select all of the ATG products to install. This is the default.
 6. Select Oracle WebLogic for your application server.
 7. Enter the required WebLogic configuration information.
 - The Oracle Middleware directory, for example, `/usr/local/Oracle/Middleware` or `C:\Oracle\Middleware`
 - The full path to the WebLogic home directory, for example, `/usr/local/Oracle/Middleware/wlserver_10.3` or `C:\Oracle\Middleware\wlserver_10.3`
 - The full path to the WebLogic domain directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain` or `C:\Oracle\Middleware\user_projects\domains\base_domain`
 8. Enter the location of your JDK home directory (for example, `/usr/local/jrockit/jrockit-jdk1.6.0_22-R28.1.1-4.0.1` or `C:\Program Files\Java\jdk1.6.0_29`).
 9. Enter your WebLogic listen port (default is 7001).
 10. Enter the ATG RMI port your Nucleus-based applications will use (default is 8860).
 11. Review the installation summary. On UNIX, press Enter to continue. On Windows, click Install.

The ATG installer copies the ATG distribution to the location you specified.
 12. On UNIX, press Enter to exit the installer. On Windows, click Done to exit the installer.

Installing Commerce Reference Store (Evaluation Install)

To install Commerce Reference Store:

1. Run the `CommerceReferenceStore10_1.exe|bin` file to start the setup program.
2. On Windows, click Next.
3. Accept the terms of the license agreement.
4. Specify the installation folder for the Commerce Reference Store software (the default is the `<ATG10dir>` directory). The installer creates a `CommerceReferenceStore` directory that contains the Commerce Reference Store software in the location you provide.
5. On Windows, select where you would like to create product icons.
6. Review the installation summary. On UNIX, press Enter to continue. On Windows, click Install.

The ATG installer copies the Commerce Reference Store distribution to the location you specified.

-
7. On UNIX, press Enter to exit the installer. On Windows, click Done to exit the installer.

Starting MySQL

You must start the MySQL database before configuring Commerce Reference Store.

To start MySQL on Linux:

- In a UNIX shell, enter the following command:

```
sudo /etc/init.d/mysqld start
```

Note: This command assumes you are not logged in as the root user and that MySQL has been installed in its default location.

To start the MySQL database on Windows:

1. From the Start menu, choose All Programs.
2. In the Programs menu, click ATG 10.1, then click Tools.
3. Click the Start MySQL Server option.

Configuring Commerce Reference Store

After running the installers, you must configure and build an ATG server that runs Commerce Reference Store.

To configure Commerce Reference Store:

1. In a UNIX shell or Windows command prompt, change directories to the Commerce Reference Store `eval` directory; for example, on Linux, enter:

```
cd <ATG10dir>/CommerceReferenceStore/Store/eval directory, for example:
```

On Windows, enter

```
cd c:\ATG\ATG10.1\CommerceReferenceStore\Store\eval
```

2. Enter one of the following commands to configure Commerce Reference Store.

On Linux, enter:

```
./configureEval.sh
```

On Windows, enter:

```
configureEval.bat
```

3. Enter Y to indicate you want to run the Commerce Reference Store evaluation installation.
4. Enter N to indicate you do not want to use an existing database.

-
5. Press Return to continue with the configuration.
 6. Enter your MySQL database connection details. These are the values that will be used for the new MySQL database.
 - Enter a user name for your new database account, for example, `crsprod`.
 - Enter a password for your new database account, for example, `crsprod`.
 - Enter a database name for your new database, for example, `crsprod`.
 - Enter your MySQL root user password. If you haven't created a MySQL root user password, simply press return to indicate the password is empty.
 7. After the database is created, enter your WebLogic details:
 - Enter the WebLogic admin server URL, for example, `t3://localhost:7001`.
 - Enter the WebLogic admin server username. The default is `weblogic`.
 - Enter the WebLogic admin server password. The default is `weblogic1`.
 8. After the script is complete, Nucleus will shut down and you can start your ATG server.

Starting the ATG Store Storefront

To view the ATG Store storefront, you must start the ATG server, then open a browser pointed at the ATG Store storefront.

To start the ATG server:

1. In a UNIX shell or Windows command prompt, change directories to the `<ATG10dir>/home/servers/atg` directory, for example, `/usr/local/ATG/ATG10.1/home/servers/atg` or `C:\ATG\ATG10.1\home\servers\atg`.
2. Enter one of the following commands.

On Linux, enter:

```
./startServerOnWeblogic.sh
```

On Windows, enter:

```
startServerOnWeblogic.bat
```

3. If necessary, enter your WebLogic username and password.

Note: Depending on how you configured WebLogic, you may or may not need to enter a username and password when starting a server.

When the server has started, you see a `<Server started in RUNNING mode>` message.

To access the ATG Store storefront:

- In a browser, navigate to:

`http://<hostname>:<HTTP_port>/crs/storeus`

For example:

`http://localhost:7003/crs/storeus`

Accessing ATG Dynamo Server Admin

ATG Dynamo Server Admin gives you quick access to a number of useful features. For example, you can modify the configuration for ATG server instances, browse the Nucleus component hierarchy, change administrator passwords, and so on.

To access ATG Dynamo Server Admin:

1. In a browser, navigate to:

`http://<hostname>:<HTTP_port>/dyn/admin`

For example, on WebLogic:

`http://localhost:7003/dyn/admin`

2. In the authentication dialog box, enter `admin` for both the username and password and click OK.
3. WebLogic requires an additional login for the WebLogic server. Enter your WebLogic username and password, and then click OK.
4. You see the Password Management page. For security reasons, you must change the password to ATG Dynamo Server Admin the first time you access it.
5. In the Username and Current Password fields, enter `admin`.
6. In the New Password field, enter a new password, for example, `admin123`.
7. Re-enter the new password in the Confirm Password field, then click Submit Query.
8. In the authentication dialog box, enter `admin` for the user name and `admin123` for the password, and then click OK.

You are notified that the password has been successfully updated.
9. To access the ATG Dynamo Administration interface, click the `admin` link at the top of the Password Management page.
10. For subsequent access to the ATG Dynamo Administration interface, you need only follow steps 1 through 3 above, using `admin123` as the password.

Using the ATG Control Center (Windows Only)

ATG Control Center has a point-and-click interface that business users can use to carry out their ATG platform tasks.

Note: These instructions apply to a Windows evaluation installation only. The ATG Control Center is a Windows-based utility and, while you can install it on a Windows machine and point it at your Linux evaluation installation, this functionality is not available out of the box. For more details on using the ATG Control Center to view Linux-based installations, see the *ATG Installation and Configuration Guide*.

To start the ATG Control Center:

1. From the Start menu, choose Programs > ATG [version] > Tools > ATG Control Center.
2. Enter `admin123` for the password and click Connect.

Uninstalling the Evaluation Install

The instructions in this section describe how to uninstall the Commerce Reference Store evaluation install.

Stopping the ATG Server

Follow the instructions below for your environment.

To stop the ATG server on Linux:

1. In a Linux shell, enter the following command to list the Java related processes running on your machine:

```
ps -eaf | grep java
```

2. Locate the process ID for the process that runs the `atg` WebLogic server. It will look similar to the following sample. The `-Dweblogic.Name=atg` parameter, marked in bold below, indicates that this is the process you are looking for:

```
/usr/local/jdk/jrockit/jrockit-jdk1.6.0_22-R28.1.1-4.0.1/bin/java -jrockit -Xms512m  
-Xmx512m -Dweblogic.Name=atg -Djava.security.policy=/usr/local/Oracle/Middleware/  
wlserver_10.3/server/lib/weblogic.policy -Dweblogic.security.SSL.trustedCAKeyStore=  
work/docteam/Oracle/Middleware/wlserver_10.3/server/lib/cacerts -Xverify:none  
-da -Dplatform.home=/usr/local/Oracle/Middleware/wlserver_10.3 -Dwls.home=  
usr/local/Oracle/Middleware/wlserver_10.3/server -Dweblogic.home=/usr/local/  
Oracle/Middleware/wlserver_10.3/server -Dweblogic.management.discover=false -  
Dweblogic.management.server=t3://localhost:7001/ -Dwls.iterativeDev=false -  
Dwls.testConsole=false -Dwls.logErrorsToConsole=false -Dweblogic.ext.dirs=/usr/  
local/Oracle/Middleware/patch_wls1035/profiles/default/sysexm_manifest_classpath:/  
usr/local/Oracle/Middleware/patch_ocp360/profiles/default/sysexm_manifest_classpath  
-Dweblogic.management.username=weblogic -Dweblogic.management.password=weblogic1  
weblogic.Server
```

3. Enter the following command to kill the `atg` process, replacing `<processID>` with the ID you identified in the previous step:

```
kill -9 <processID>
```

To stop the ATG server on Windows:

1. In the command prompt where you are running the `atg` server, type Ctrl-C.

-
2. Enter Y to confirm the process termination.

Removing ATG Artifacts

To remove ATG artifacts on WebLogic:

1. Open a browser and enter the address of the WebLogic Server Administration Console:

```
http://<hostname>:7001/console
```
2. Enter your WebLogic username and password (default is `weblogic/weblogic1`).
3. Under Domain Structure, click Deployments for your user domain.
4. Select the `atg.ear` file, and then click Delete.
5. Under Domain Structure, expand Environment for your user domain, and then click Servers.
6. Select the `atg` server, and then click Delete.
7. Under Domain Structure, expand Services for your user domain, and then click Data Sources.
8. Select the `ATGProductionDS` data source, and then click Delete.
9. Continue with [Dropping the Evaluation Install Database \(page 13\)](#).

Stopping the WebLogic Application Server

To stop the WebLogic application server:

1. In a UNIX shell or Windows command prompt, change directories to your WebLogic `bin` directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain/bin` or `C:\Oracle\Middleware\user_projects\domains\base_domain\bin`
2. Enter one of the following commands to stop the WebLogic application server.
 - **On Linux**, enter:

```
./stopWebLogic.sh
```
 - **On Windows**, enter:

```
stopWebLogic.cmd
```

Dropping the Evaluation Install Database

You can drop the evaluation install database using MySQL Monitor.

1. In a UNIX shell or a Windows command prompt, enter the following:

```
mysql -u root
```
2. Enter the following command to list all the databases in MySQL Monitor:

```
show databases;
```

-
3. Enter the following command to delete the `crsprod` database:

```
drop database crsprod;
```

4. Enter this command to exit MySQL Monitor:

```
exit
```

Stopping MySQL (Windows Only)

On Windows machines, you must stop the instance of MySQL that is installed with the ATG platform before you can delete the ATG directories:

To stop MySQL:

1. Open the Task Manager, and then click the Processes tab.
2. Select the `mysql.exe` process and click End Process.
3. Click End Process again to confirm that you want to terminate the MySQL process.
4. Close the Task Manager.

Uninstalling the Oracle ATG Web Commerce Software (Windows Only)

Follow the steps below to remove ATG software from your Windows machine. Be careful to remove the software in the order described, that is, remove the Oracle ATG Web Commerce [version] software last.

To remove ATG software:

1. From the Start menu, click Control Panel.
2. Double-click Programs and Features.
3. Select Oracle ATG Web Commerce Reference Store [version] and click Uninstall/Change.
4. In the Commerce Reference Store installer program, click Uninstall.
5. Click Done.
6. In the control panel, select Oracle ATG Web Commerce [version] and click Uninstall/Change.
7. In the Oracle ATG Web Commerce installer program, click Uninstall.
8. Click Done.
9. Reboot the machine.

Deleting ATG Directories

To delete ATG-related directories:

1. Delete the `<ATGdir10>` directory.

2. Change directories to your WebLogic `servers` directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain/servers` or `C:\Oracle\Middleware\user_projects\domains\base_domain\servers`

3. Delete the `atg` directory.

At this point, you are ready for a clean Commerce Reference Store evaluation installation.

4 Development Installation

The instructions in this section describe how to install a development version of Commerce Reference Store. It includes the following topics:

[Development Installation Configurations \(page 17\)](#)

[Development Installation Requirements \(page 20\)](#)

[Before Installing Oracle ATG Web Commerce Software \(page 20\)](#)

[Installing the Oracle ATG Web Commerce Software \(page 22\)](#)

[Configuring the ATG Environment \(page 24\)](#)

[Starting the Publishing and Production Servers \(page 38\)](#)

[Browsing the Publishing and Production Servers \(page 40\)](#)

[Configuring and Running a Full Deployment \(page 42\)](#)

[Configuring a Search Project \(page 44\)](#)

Note: If you do not need to do custom development after your installation, consider using the instructions for an [Evaluation Installation \(page 5\)](#) instead.

Development Installation Configurations

The instructions in this section describe how to install and configure two types of development environments, one with Oracle ATG Web Commerce Search (Search) and one without. Both environments:

- Run on a single machine.
- Have two ATG instances, one for publishing and one for production, which run under separate servers within a single application server distribution.

Each ATG instance (EAR file) running in your application server includes the appropriate configuration and modules for its designated tasks. The publishing instance runs ATG Content Administration, Oracle ATG Web Commerce Merchandising, and Site Administration. The production instance runs Commerce Reference Store and the ATG Content Administration publishing agent. For environments that include Search, the publishing instance also runs Search Administration and the Search Engine, while the production instance runs Search

Routing. The two servers communicate with each other through the Java Remote Method Invocation (RMI) API, for example, when the ATG Publishing server deploys content to the ATG Production server.

The Commerce Reference Store EAR files are assembled in development mode, where only classes, libraries, and J2EE modules are imported to the EAR file, and Nucleus configuration and other resources are used directly from the ATG install directory.

Commerce Reference Store includes three storefront sites: ATG Store US, ATG Store Germany, and ATG Home. These sites are related in the following ways:

- ATG Store US and ATG Home share a shopping cart, product comparisons, and gift and wish lists. Some catalog items are available on both sites, but each site also has items not available on the other site.
- ATG Store US and ATG Store Germany have identical catalogs but use different price lists, because ATG Store US prices are in US dollars and ATG Store Germany prices are in Euros. These sites do not share a shopping cart, product comparisons, or gift and wish lists.

Additionally, the three sites include support for the languages shown in the following table:

| Site | Language Support |
|-------------------|------------------|
| ATG Store US | English, Spanish |
| ATG Store Germany | German, English |
| ATG Home | English, Spanish |

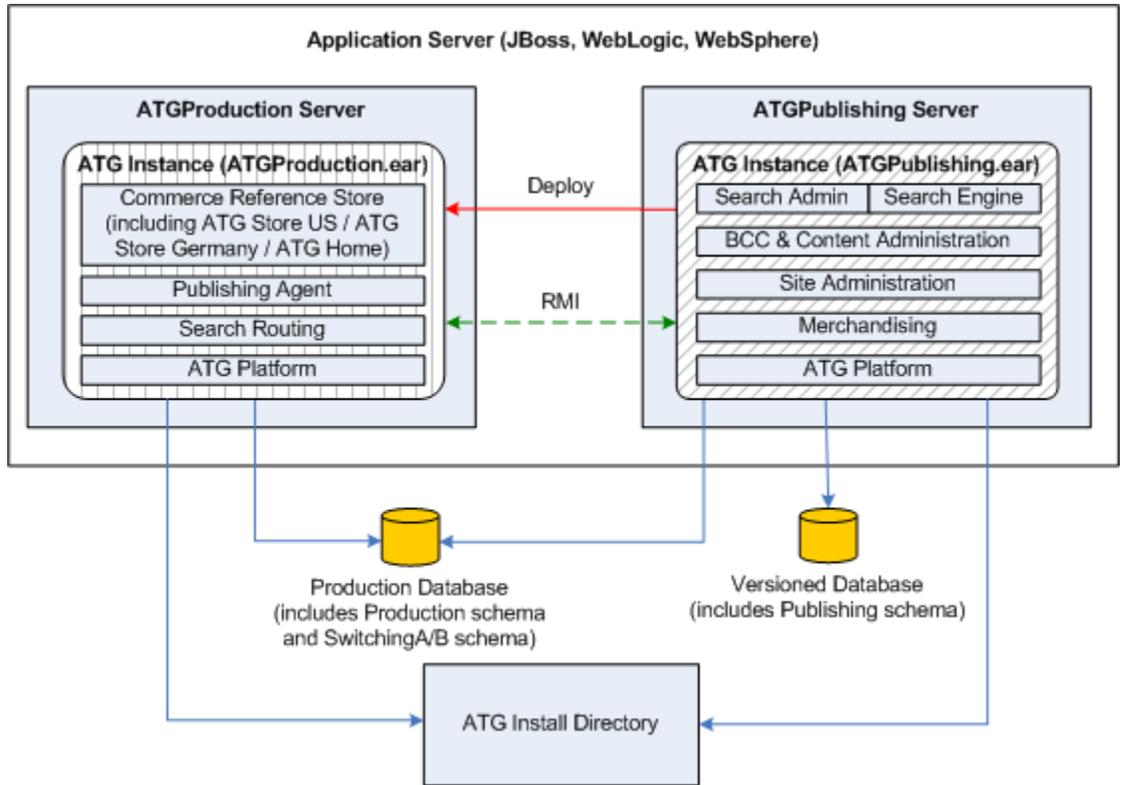
Commerce Reference Store uses a switching database configuration that allows you to deploy changes to an offline copy of your data, rather than making changes directly to the data your live site depends on. After the data is deployed to the offline copy, a switch is made so that the offline copy becomes the online copy and vice versa. In this way, you avoid deploying to your live site, which can cause errors, inconsistencies, or poor site performance.

When you deploy from the publishing server to the production server, data that is ready to go live is copied from a versioned database, implemented as part of ATG Content Administration, to the production database. Not all data benefits from versioning, so the production database contains several schemas:

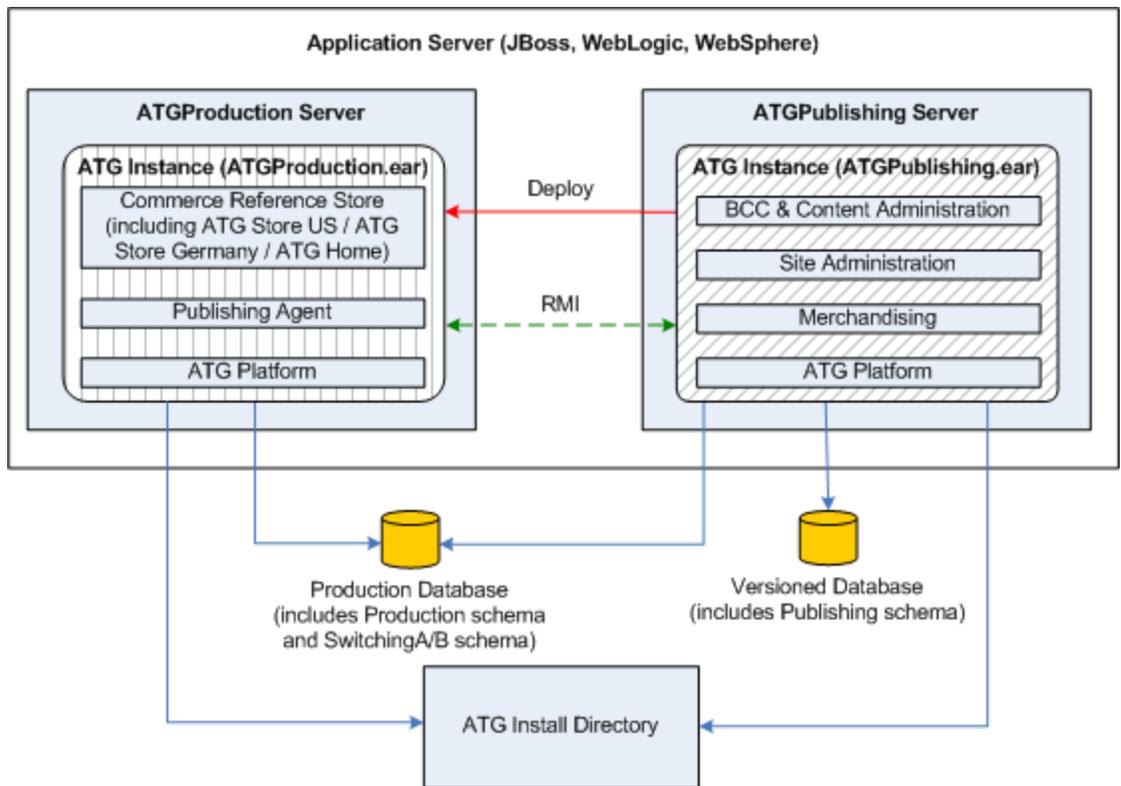
- The `Production` schema holds data that doesn't benefit from switching, such as user account data.
- The `SwitchingA` and `SwitchingB` schemas hold data that does benefit from switching, such as catalog and pricing data. Only one switching schema is active on the live site at any given time. Data is copied to the offline schema, and then the switch is made.

The versioned database only has one schema, `Publishing`, that contains all the data required for your sites, plus additional fields that manage asset versioning.

The following illustration shows the Commerce Reference Store architecture with Search:



The following illustration shows the Commerce Reference Store architecture without Search:



Development Installation Requirements

Before beginning a development installation, make sure:

- The environment uses a supported operating system.
- A supported JDK exists on the system, and the JVM is in the system's PATH.
- A supported application server is installed. WebLogic environments must also have a user domain configured.
- A driver for a supported database is installed.
- You have usernames and passwords for four database accounts, along with the following connection details for a supported database:
 - Host
 - Port
 - Database name
 - Database URL
 - Driver type and path to driver file. Environments that use a DB2 database also require a path to the DB2 license file.

For more information on supported operating systems, application server versions, and JDK versions, refer to the Oracle ATG Commerce Supported Environments Matrix document in the My Oracle Support knowledge base (<https://support.oracle.com/>).

Before Installing Oracle ATG Web Commerce Software

This section describes tasks you must perform before you install the ATG software.

Identifying Your Environment and Add-on Options

The instructions in this guide accommodate a variety of possible configurations. Before you start installing, identify the operating system, application server, database, and JDK you will be using (see [Development Installation Requirements \(page 20\)](#) above for details). In addition, determine whether your ATG environment will:

- Include or exclude Search
- Include or exclude the International module. The International module is necessary for sites that will support multiple languages or multiple countries. If you do not install the International module, your production instance of Commerce Reference Store will include the English versions of ATG Store US and ATG Home only. You will not see ATG Store Germany or the Spanish translations for ATG Store US and ATG Home.

As you progress through this guide, take care to follow the instructions that match your configuration.

Also, note that the Commerce Reference Store and this *Installation and Configuration Guide* have been tested on the following configurations:

- Oracle Linux/WebLogic/Oracle/JRockit JDK

-
- Red Hat Linux/WebLogic/Oracle/JRockit JDK
 - Solaris/WebLogic/Oracle/Sun JDK
 - AIX/WebSphere/DB2/IBM JDK
 - Windows/JBoss/MS SQL/Sun JDK

Setting Environment Variables

Set the following environment variables for your system:

- Set any environment variables required by your database.
- Set `JAVA_HOME`:
 - **For Linux**, set `JAVA_HOME` to include the JRockit JDK home directory (for example, `/usr/local/jrockit/jrockit-jdk1.6.0_22-R28.1.1-4.0.1`)
 - **For Solaris**, set `JAVA_HOME` to include the Sun JDK home directory (for example, `/usr/local/jdk1.6.0_29`).
 - **For AIX**, set `JAVA_HOME` to include the home directory of the IBM JDK found in the WebSphere distribution (for example, `/usr/local/IBM/WebSphere/AppServer/java`).
 - **For Windows**, set `JAVA_HOME` to include the Sun JDK home directory (for example, `C:\jdk1.6.0_25`).
- Set `PATH`:
 - **For Linux**, set `PATH` to include the JRockit JDK `/bin` directory (for example, `/usr/local/jrockit/jrockit-jdk1.6.0_22-R28.1.1-4.0.1/bin`).
 - **For Solaris**, set `PATH` to include the Sun JDK `/bin/sparcv9` directory (for example, `/usr/local/jdk1.6.0_29/bin/sparcv9`)
 - **For AIX**, set `PATH` to include the IBM JDK `/bin` directory included in the WebSphere distribution (for example, `/usr/local/IBM/WebSphere/AppServer/java/bin`).
 - **For Windows**, set `PATH` to include the Sun JDK `/bin` directory (for example, `C:\jdk1.6.0_25\bin`).
- Set `DYNAMO_HOME` to the `<ATG10dir>/home` directory (for example, `/usr/local/ATG/ATG10.1/home` or `C:\ATG\ATG10.1\home`).

Notes:

- For WebSphere environments, ATG recommends setting your `JAVA_HOME` and `PATH` variables to point to the JDK installed in the WebSphere distribution to ensure that the JDK functionality that WebSphere relies on is available and updated properly.
- If you are running multiple versions of ATG on your machine, you should not set `DYNAMO_HOME` globally, as this will change the variable for all ATG versions. Instead, set `DYNAMO_HOME` locally for each shell or command prompt you open for the remainder of this guide.

Updating JBoss JAR Files (JBoss Only)

If you are using JBoss as your application server, you must replace the `jboss-eap-5.1/jboss-as/common/lib/cglib.jar` file with an unsigned version of the file, which can be downloaded from [here](#):

<http://search.maven.org/remotecontent?filepath=cglib/cglib/2.2.2/cglib-2.2.2.jar>

In addition, to avoid a JBoss issue that can result in 100% CPU usage, you must replace the `jboss-eap-5.1/jboss-as/common/lib/jbossjts.jar` file with an updated version, which can be downloaded from here:

<https://issues.jboss.org/browse/JBPAPP-5193>

Installing the Oracle ATG Web Commerce Software

Commerce Reference Store depends on installation of the following:

- The ATG platform
- Search (for configurations with Search only)
- Commerce Reference Store

All of the installers are available as self-extracting Windows executables or UNIX binary files, which you can download from the Oracle web site. On UNIX platforms, you must unjar the downloaded file to access the installer `.bin` file, and then set permissions so that you can run the installers. To set installer permissions, run the following command on your downloads directory:

```
chmod 777 *
```

Installing on Linux with GCJ

The instructions in the sections below tell you to run various `.bin` files to start the setup programs. If you are installing on a Linux variety that includes GCJ, in order to avoid installation errors you must specify a JVM that includes the `javax.swing` classes, which are not included in GCJ, when running the `.bin` files. Use the following command format to run the `.bin` files:

```
$sh ./installer.bin LAX_VM path_to_java_executable
```

For example:

```
$sh ./ATG10_1.bin LAX_VM /usr/local/jdk1.6.0_25/bin/java
```

Installing the ATG Platform

To install the ATG platform:

1. Run the `ATG10_1.exe|bin` file to start the setup program.
2. On Windows, click Next.
3. Accept the terms of the license agreement.

-
4. Specify the installation folder for the ATG software (for example, `/usr/local/ATG/ATG10.1` or `C:\ATG\ATG10.1`).
 5. Select all of the ATG products to install.
 6. Select your application server. For WebSphere environments, choose the second option, 2- IBM WebSphere, for WebSphere without clustering.
 7. Enter the required configuration information for your application server.
 - **(WebLogic Only)** For WebLogic environments, enter:
 - The Oracle Middleware home directory, for example, `/usr/local/Oracle/Middleware`
 - The full path to the WebLogic home directory, for example, `/usr/local/Oracle/Middleware/wlserver_10.3`
 - The full path to the WebLogic domain directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain`
 - The JDK home directory (for example, `/usr/local/jrockit/jrockit-jdk1.6.0_22-R28.1.1-4.0.1` or `/usr/local/jdk1.6.0_29` or `C:\Program Files\Java\jdk1.6.0_25`)
 - **(JBoss Only)** For JBoss environments, enter:
 - The JBoss home directory, for example, `/usr/local/jboss-eap-5.1/jboss-as` or `C:\jboss-eap-5.1\jboss-as`
 - The JDK home directory (for example, `/usr/local/jdk1.6.0_25` or `C:\Program Files\Java\jdk1.6.0_25`)
 - **(WebSphere Only)** For WebSphere environments, enter:
 - The full path to the WebSphere install directory, for example, `/usr/local/IBM/WebSphere/AppServer`
1 to indicate your WebSphere profile is `AppSrv01`
 - **(All Environments)** Enter the listen port that your application server uses to listen for incoming connections. Defaults are:
 - 8080 for JBoss
 - 7001 for WebLogic
 - 9080 for WebSphere
 - **(All Environments)** Enter the ATG RMI port your Nucleus-based applications will use (defaults to 8860).
 8. Review the installation summary. On UNIX, press Enter to continue. On Windows, click Install.
 - The ATG installer copies the ATG distribution to the location you specified.
 9. On UNIX, press Enter to exit the installer. On Windows, click Done to exit the installer.

Installing Search

If your configuration includes Search, continue with this section to install the Search software. If it does not, continue with Installing Commerce Reference Store instead.

To install Search:

1. Run the `ATGSearch10_1-<OperatingSystem>.exe|bin` file to start the setup program.
2. On Windows, click Next.
3. Accept the terms of the license agreement.
4. Choose Search Administration + Search Engine for your search install.
5. Specify the installation folder for the Search software (the default is the `<ATG10dir>` directory). The installer creates a `Search10.1` directory that contains the Search software in the location you provide.
6. On Windows, select where you would like to create product icons.
7. Review the installation summary. On UNIX, press Enter to continue. On Windows, click Install.

The ATG installer copies the Search distribution to the location you specified.

8. Choose a Deploy Share folder (`/usr/local/ATG/ATG10.1/Search10.1` or `C:\ATG\ATG10.1\Search10.1`, for example).
9. On UNIX, press Enter to exit the installer. On Windows, click Done to exit the installer.

Installing Commerce Reference Store

To install Commerce Reference Store:

1. Run the `CommerceReferenceStore10_1.exe|bin` file to start the setup program.
2. On Windows, click Next.
3. Accept the terms of the license agreement.
4. Specify the installation folder for the Commerce Reference Store software (the default is the `<ATG10dir>` directory). The installer creates a `CommerceReferenceStore` directory that contains the Commerce Reference Store software in the location you provide.
5. On Windows, select where you would like to create product icons.
6. Review the installation summary. On UNIX, press Enter to continue. On Windows, click Install.

The ATG installer copies the Commerce Reference Store distribution to the location you specified.

7. On UNIX, press Enter to exit the installer. On Windows, click Done to exit the installer.

Configuring the ATG Environment

After installing the ATG products, you can use the Configuration and Installation Manager (CIM) to configure your environment. Environment configuration includes:

- Specifying the ATG products to configure
- Selecting your application server

-
- Setting up your database connections
 - Configuring your ATG server instances (production and publishing instances)
 - Assembling and deploying your ATG applications

Starting the Application Server (WebLogic and WebSphere Only)

In WebLogic and WebSphere environments, the application server must be running before you start CIM. Follow the instructions below that correspond to your application server.

Starting WebLogic

To start WebLogic:

1. In a UNIX shell, change directories to your user domain's bin directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain/bin`.
2. Enter the following command:

```
./startWebLogic.sh
```
3. After WebLogic has started, open a browser and navigate to `http://hostname:7001/console` to start the WebLogic Server Administration Console.
4. Enter your WebLogic username and password and click Log In.

Starting WebSphere

To start WebSphere:

1. Start the deployment manager:
 - In a UNIX shell, change directories to your deployment manager's bin directory, for example, `/usr/local/IBM/WebSphere/AppServer/profiles/Dmgr01/bin`
 - Enter the following command:

```
./startManager.sh
```

You see a status report similar to the following when the deployment manager has started:

```
Server dmgr open for e-business; process id is 348254
```

 - Open a browser and navigate to `http://hostname:9060/admin` to start the WebSphere Integrated Solution Console.
 - Enter your password and click Login.
2. Start the default application server:
 - In a UNIX shell, change directories to your application server's bin directory, for example, `/usr/local/IBM/WebSphere/AppServer/profiles/AppSrv01/bin`.
 - Enter the following command:

```
./startNode.sh
```

You see a status report similar to the following when the default application server has started:

```
Server nodeagent open for e-business; process id is 299030
```

- In the Integrated Solutions Console, expand Servers, and then expand Server Types.
- Click WebSphere application servers.
- If it is not already started, start the default application server, `server1`.

Starting CIM

CIM is a text-based application that simplifies configuration for ATG products. CIM dynamically generates menus for each part of the configuration process, so that you are presented with relevant options for your installed products. For each step, CIM identifies a default option with an asterisk (*) and/or a “default” note. In the main menu, this default identifies the next step to perform; in other menus, it shows the standard selection for configuration choices.

To start CIM:

1. In a UNIX shell or Windows command prompt, change directories to `<ATG10dir>/home/bin`.
2. **(AIX Only)** Set the `JAVA_ARGS` environment variable to the following value:

```
-Xmx1024m
```

Note: In AIX environments, you must set the `JAVA_ARGS` environment variable or your data imports will fail.

3. Enter one of the following commands:

UNIX:

```
./cim.sh
```

Windows:

```
cim.bat
```

CIM starts, showing you the CIM MAIN MENU. For general instructions on using CIM, enter `h` at any time. The following are some key notes that will help you as you use CIM:

- To select an option, type its number or letter, then press Enter. Selected options are marked with an asterisk. To deselect an option, type its number or letter and press enter. To select multiple options, type a space-delimited list of option numbers or letters, then press Enter.
- CIM maintains your selections, so you can start a configuration, quit CIM, then return to CIM later where you left off.
- If you make a mistake, type `m` to return to the main menu and redo your selections.

Continue with the next section, [Configuring ATG Products \(page 26\)](#).

Configuring ATG Products

The first step to configuring a development environment is selecting the ATG products and add-ons you want to install. If your configuration does not include Search, skip the steps marked **(Search Only)** below. Likewise, if your configuration does not include Internationalization, skip the steps marked **(International Only)**.

To configure ATG products:

1. In the CIM MAIN MENU, select [P] Product Selection.
2. In the PRODUCT SELECTION menu, select [6] ATG Commerce Reference Store: Includes ATG Platform, Content Administration, Site Administration, Commerce, Merchandising and, optionally, ACI and Preview.
3. **(Search Only)** If your configuration will include Search, select [3] ATG Search: Includes ATG Platform, Content Administration and ATG Search Admin and optional ACI and Preview.
4. Select D to indicate you are done and ready to move to the next menu.
5. In the CHOOSE COMMERCE ADDONS menu, select D to indicate you are done and ready to move to the next menu.
6. In the INCLUDE DEMO APPLICATION menu, select D to indicate you are done and ready to move to the next menu.
7. In the CHOOSE SWITCHING OR NON-SWITCHING DATASOURCE menu, select [2] Switching Datasource.
8. **(Search Only)** In the INCLUDE SEARCH QUERYCONSOLE menu, select both [1] Include Search QueryConsole on Management and [2] Include Search QueryConsole on Production. To select both options, type them as a space-delimited list (1 2), then press Enter.
9. **(Search Only)** Select D to indicate you are done and ready to move to the next menu.
- 10.**(Search Only)** In the SEARCH INDEX TYPE SELECTION menu, select [1] Index by Product.
- 11.In the CHOOSE ATG COMMERCE REFERENCE STORE ADDONS menu, select the following:
 - [1] Storefront Demo Application
 - [3] Fulfillment
 - [4] Oracle Recommendations On Demand Integration
 - [5] ClickToCall IntegrationTo select multiple options, type them as a space-delimited list (1 3 4 5), then press Enter.
- 12.**(International Only)** If you want internationalization functionality, select [2] International: Enables multi-country and multi-language functionality.
- 13.Select [D] Done to indicate you are done and ready to move to the next menu.
- 14.In the CHOOSE STOREFRONT ADDONS menu, select [2] Inspect Application.
- 15.Select [D] Done to indicate you are done and ready to move to the next menu.
- 16.In the CHOOSE STOREFRONT SAMPLE DATA CONFIGURATION menu, select [1] Full: Populated product catalog, users, orders, promotions, etc.
- 17.In the CHOOSE ORACLE RECOMMENDATIONS ON DEMAND ACCOUNT menu, select [1] Use Recommendations demonstration account.
- 18.In the CHOOSE CLICKTOCALL ACCOUNT menu, select [1] Use Click To Call demonstration account.
- 19.In the VALIDATING INSTALLATION menu, select [D] Done to indicate you are done and ready to move to the next menu

20. Continue with the section [Selecting an Application Server \(page 28\)](#).

Selecting an Application Server

Follow the instructions below for the application server you are using.

WebLogic

1. In the CIM MAIN MENU menu, select [A] Select Application Server.
2. In the APPLICATION SERVER SELECTION menu, select [2] Oracle Weblogic Online (Either Production or Developer Mode).
3. In the ENTER WEBLOGIC HOME PATH menu, enter the path to your WebLogic home, for example, `/user/local/Oracle/Middleware/wlserver_10.3`.
4. In the ENTER DOMAIN PATH menu, enter the path to the WebLogic domain directory you created, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain`.
5. In the ENTER URL TO ADMIN SERVER menu, accept the default of `t3://localhost:7001`.
6. In the ENTER USERNAME TO ADMIN SERVER, enter your WebLogic administrator username (default is `weblogic`).
7. In the ENTER PASSWORD TO ADMIN SERVER, enter your WebLogic administrator password (default is `weblogic1`).
8. Confirm the password by entering it again.
9. In the VALIDATE WEBLOGIC ONLINE STATUS MENU, select [P] Perform Validation.

CIM informs you that it successfully connected to the WebLogic server.

Note: Depending on your environment, the confirmation message can take several minutes to appear.

10. Continue with the section [Configuring Your Database Connections \(page 29\)](#).

JBoss

1. In the CIM MAIN MENU menu, select [A] Select Application Server.
2. In the APPLICATION SERVER SELECTION menu, select [1] JBoss Application Server.
3. In the ENTER JBOSS HOME PATH menu, enter your JBoss home path, for example, `/usr/local/jboss-eap-5.1/jboss-as` or `C:\jboss-eap-5.1\jboss-as`.
4. Continue with the section [Configuring Your Database Connections \(page 29\)](#).

WebSphere

Note: The instructions below assume you have WebSphere security disabled.

1. In the CIM MAIN MENU, select [A] Select Application Server.
2. In the APPLICATION SERVER SELECTION menu, select [3] IBM WebSphere Application Server.

-
3. In the ENTER WEBSphere HOME PATH menu, enter the full path to your WebSphere home directory, for example, `/usr/local/IBM/WebSphere/AppServer`.
 4. In the ENTER HOSTNAME TO ADMIN SERVER menu, enter the name of the machine that hosts your WebSphere deployment manager.
Note: CIM refers to the WebSphere deployment manager as the “admin server.”
 5. In the ENTER SOAP CONNECTOR PORT ON ADMIN SERVER menu, enter the SOAP port for your deployment manager (default is 8879).
 6. In the WebSphere security status, select [2] Disabled.
 7. In the VALIDATE WEBSphere ONLINE STATUS menu, select [P] Perform Validation.
 8. Continue with the section [Configuring Your Database Connections \(page 29\)](#).

Configuring Your Database Connections

In this section, you configure four database connections, one each for Publishing, Switching A, Switching B, and Production schemas.

To configure your database connections:

1. In the CIM MAIN MENU, select [1] Database Configuration.
2. In the SELECT A DATASOURCE TO CONFIGURE menu, select [P] Publishing.
3. In the CONFIGURE DATASOURCE PUBLISHING menu, select [C] Connection Details.
4. In the ENTER CONNECTION DETAILS menu, select your database type.
5. Enter the following information for the database account you want to use for the Publishing schema:
 - User name
 - Password
 - Re-enter password
 - Host name
 - Port number
 - Database name
 - Database URL
Note: CIM will provide a Database URL for you, based on the information that you have already entered.
 - Driver path
 - JNDI name
Note: CIM provides a default JNDI name of `ATGPublishingDS` for the Publishing schema.
 - **(DB2 Only)** Driver license path
6. In the CONFIGURE DATASOURCE PUBLISHING menu, select [T] Test Connection.

CIM tests the connection to verify that it is healthy.

7. In the CONFIGURE DATASOURCE PUBLISHING menu, select [S] Create Schema.
8. In the CREATE SCHEMA menu, select [C] Create Schema.
9. In the CONFIGURE DATASOURCE PUBLISHING menu, select [I] Import Initial Data.
10. In the IMPORT DATA menu, select [I] Import Data.
11. Enter a password for the merchandising user, for example, `merch123`.
12. Re-enter the merchandising user password.
13. Enter a password for the publishing admin user, for example, `admin123`.
14. Re-enter the publishing admin user password.

Data importing begins for the publishing schema. Note that this process can take time, depending on your environment.

15. In the CONFIGURE DATASOURCE PUBLISHING menu, select [O] Configure Another Datasource.
16. In the SELECT A DATASOURCE TO CONFIGURE menu, select [C] Production Core.
17. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [C] Connection Details.
18. In the RE-USE VALUES FROM PREVIOUS DATASOURCE menu, select [2] None/Use Existing.
19. In the ENTER CONNECTION DETAILS menu, select your database type.
20. Enter the connections details for the database account you want to use for the Production Core schema. The default JNDI name that CIM provides for the Production Core schema is `ATGProductionDS`.
21. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [T] Test Connection.

CIM tests the connection to verify that it is healthy.

22. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [S] Create Schema.
23. In the CREATE SCHEMA menu, select [C] Create Schema.
24. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [I] Import Initial Data.
25. In the IMPORT DATA menu, select [I] Import Data.
26. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [O] Configure Another Datasource.
27. In the SELECT A DATASOURCE TO CONFIGURE menu, select [S] Switching A.
28. In the CONFIGURE DATASOURCE SWITCHING A menu, select [C] Connection Details.
29. In the RE-USE VALUES FROM PREVIOUS DATASOURCE menu, select [3] None/Use Existing.
30. In the ENTER CONNECTION DETAILS menu, select your database type.
31. Enter the connections details for the database account you want to use for the Switching A schema. The default JNDI name that CIM provides for the Switching A schema is `ATGSwitchingDS_A`.

-
32. In the CONFIGURE DATASOURCE SWITCHING A menu, select [T] Test Connection.
- CIM tests the connection to verify that it is healthy.
33. In the CONFIGURE DATASOURCE SWITCHING A menu, select [S] Create Schema.
34. In the CREATE SCHEMA menu, select [C] Create Schema.
35. In the CONFIGURE DATASOURCE SWITCHING A menu, select [I] Import Initial Data.
36. In the IMPORT DATA menu, select [I] Import Data.
37. In the CONFIGURE DATASOURCE SWITCHING A menu, select [O] Configure Another Datasource.
38. In the SELECT A DATASOURCE TO CONFIGURE menu, select [B] Switching B.
39. In the CONFIGURE DATASOURCE SWITCHING B menu, select [C] Connection Details.
40. In the RE-USE VALUES FROM PREVIOUS DATASOURCE menu, select [4] None/Use Existing.
41. In the ENTER CONNECTION DETAILS menu, select your database type.
42. Enter the connections details for the database account you want to use for the Switching B schema. The default JNDI name that CIM provides for the Switching B schema is `ATGSwitChingDS_B`.
43. In the CONFIGURE DATASOURCE SWITCHING B menu, select [T] Test Connection.
- CIM tests the connection to verify that it is healthy.
44. In the CONFIGURE DATASOURCE SWITCHING B menu, select [S] Create Schema.
45. In the CREATE SCHEMA menu, select [C] Create Schema.
46. In the CONFIGURE DATASOURCE SWITCHING B menu, select [I] Import Initial Data.
47. In the IMPORT DATA menu, select [I] Import Data.
48. In the CONFIGURE DATASOURCE SWITCHING B menu, select [O] Configure Another Datasource.
49. In the SELECT A DATASOURCE TO CONFIGURE menu, select [D] Done.
50. Continue with the section [Configuring Your ATG Server Instances \(page 31\)](#).

Configuring Your ATG Server Instances

In this section, you configure publishing and production ATG server instances. If your configuration does not include Search, skip the steps marked **(Search Only)** below.

To configure your ATG server instances:

1. In the CIM MAIN MENU, select [2] Server Instance Configuration.
2. In the SERVER INSTANCE TYPE SELECTION menu, select [A] ATG Commerce Reference Store Publishing - 0 Instances Configured.
3. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [A] ATG Commerce Reference Store Publishing General Configuration - REQUIRED.

4. Enter the following information (defaults are provided in brackets):
 - Production Lock Server host name
 - Production Lock Server port [9012]
 - **(Search Only)** Remote Production Search Instance host name
 - **(Search Only)** Remote Production Search Instance RMI port (default is 8860)
5. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [I] Instance Management – REQUIRED.
6. In the INSTANCE MANAGEMENT menu, select [A] Add Server Instance.
7. In the Select Type of Server Instance To Create menu, select [1] Publishing with a Server Lock Manager: Minimum 1 Required.
8. In the NAME FOR NEW SERVER INSTANCE menu, enter `ATGPublishing` for the Server Instance Name.
9. **(WebLogic Only)** Perform these steps for WebLogic environments only:
 - In the WEBLOGIC ONLINE PORT BINDING menu, select [C] Choose Custom Port Binding.
 - In the CHOOSE CUSTOM WEBLOGIC ONLINE PORT BINDING menu, select [2] ports-01: http port is 7103.
10. **(JBoss Only)** Perform these steps for JBoss environments only:
 - In the JBOSS PORT BINDING menu, select [C] Choose Custom Port Binding.
 - In the CHOOSE CUSTOM JBOSS PORT BINDING menu, select [2] ports-01: http port is 8180.
11. **(WebSphere Only)** Perform these steps for WebSphere environments only:
 - In the WEBSHERE PORT BINDING menu, select [C] Choose Custom Port Binding.
 - In the CHOOSE CUSTOM WEBSHERE PORT BINDING menu, select [2] ports-01: http port is 9181.
12. Enter the following ports. The defaults CIM provides for each application server are listed in the table below. You can leave the defaults as is unless they cause port conflicts on your machine.

| Port Type | WebLogic Default | JBoss Default | WebSphere Default |
|---|------------------|---------------|-------------------|
| HTTP Port | 7103 | 8180 | 9181 |
| HTTPS Port | 7104 | 8543 | 9544 |
| Site HTTP Port | 7103 | 8180 | 9181 |
| RMI Port | 8861 | 8861 | 8861 |
| DRP Port | 8851 | 8851 | 8851 |
| File Deployment Port | 8811 | 8811 | 8811 |
| File Synchronization Deploy Server Port | 8816 | 8816 | 8816 |

| Port Type | WebLogic Default | JBoss Default | WebSphere Default |
|------------------|------------------|---------------|-------------------|
| Lock Server Port | 9010 | 9010 | 9010 |

Note: By default the Sun T1000 and T2000 systems run a server that uses port 9010. ATG's lock management components also use this port. If you are using lock management on one of these systems, you must either disable the Sun server or use a different lock server port while configuring your server instance. See the *Sun T1000 and T2000 Requirements* in the *ATG Installation and Configuration Guide* for detailed instructions.

13. In the INSTANCE MANAGEMENT menu, select [D] Done.
14. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [O] Configure Another Server Instance Type.
15. In the SERVER INSTANCE TYPE SELECTION menu, select [C] ATG Commerce Reference Store Production - 0 Instances Configured.
16. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [A] ATG Commerce Reference Store Production General Configuration - REQUIRED.
17. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [I] Instance Management – REQUIRED.
18. In the INSTANCE MANAGEMENT menu, select [A] Add Server Instance.
19. In the Select Type of Server Instance To Create menu, select [1] Production with a Server Lock Manager: Minimum 1 Required.
20. In the NAME FOR NEW SERVER INSTANCE menu, enter `ATGProduction` for the Server Instance Name.
21. In the `<Application_Server>` ONLINE PORT BINDING menu, select [U] Use Default Port Binding.
22. Enter the following ports. The defaults CIM provides for each application server are listed in the table below. You can leave the defaults as is unless they cause port conflicts on your machine.

| Port Type | WebLogic Default | JBoss Default | WebSphere Default |
|----------------------|------------------|---------------|-------------------|
| HTTP Port | 7003 | 8080 | 9081 |
| HTTPS Port | 7004 | 8443 | 9444 |
| Site HTTP Port | 7003 | 8080 | 9081 |
| RMI Port | 8860 | 8860 | 8860 |
| DRP Port | 8850 | 8850 | 8850 |
| File Deployment Port | 8810 | 8810 | 8810 |
| Lock Server Port | 9012 | 9012 | 9012 |

23. In the INSTANCE MANAGEMENT menu, select [D] Done.
24. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [O] Configure Another Server Instance Type.

25. In the SERVER INSTANCE TYPE SELECTION menu, select [D] Done.

26. Continue with the section [Assembling and Deploying Your ATG Applications \(page 34\)](#).

Assembling and Deploying Your ATG Applications

Follow the instructions below for the application server you are using to assemble and deploy the ATG publishing and production server instances.

WebLogic

To assemble and deploy your ATG applications on WebLogic:

1. In the CIM MAIN MENU, select [3] Application Assembly & Deployment.
2. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [A] ATGProduction - Production with a Server Lock Manager.
3. In the ENTER EAR FILE NAME(S) menu, enter the name `ATGProduction.ear`.
4. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [D] Deploy Production with a Server Lock Manager `ATGProduction.ear` to Weblogic Online.
5. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [R] Register Datasources on WebLogic Online.
6. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
7. In the WEBLOGIC CLASSPATH MODIFICATION menu, select [U] Update the `<WebLogic_user_domain>/bin/setDomainEnv.sh` file.
8. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [P] Post Deployment Actions on WebLogic Online.
9. In the POST DEPLOYMENT OPTIONS menu, select [W] Weblogic JVM Optimization.
10. In the WEBLOGIC JVM OPTIMIZATION menu, select [U] Update the initial and maximum heap size values in the following start up files.
11. In the POST DEPLOYMENT OPTIONS menu, select [C] Copy protocol.jar.
12. In the WEBLOGIC POST DEPLOYMENT OPTIONS menu, select [C] Copy protocol.jar to Production with a Server Lock Manager `ATGProduction.ear` to Weblogic Online.
13. In the POST DEPLOYMENT OPTIONS menu, select [D] Done.
14. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [O] Configure Another Server Instance.
15. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [P] ATGPublishing - Publishing with a Server Lock Manager.
16. In the ENTER EAR FILE NAME(S) menu, enter the name `ATGPublishing.ear` for the ATG Commerce Store Production with Server Lock Manager.
17. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [D] Deploy Publishing with a Server Lock Manager `ATGPublishing.ear` to Weblogic Online.
18. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [R] Register Datasources on WebLogic Online.

-
19. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
 20. In the WEBLOGIC CLASSPATH MODIFICATION menu, select [U] Update the [WebLogic_domain]/bin/setDomainEnv.sh file.
 21. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [P] Post Deployment Actions on WebLogic Online.
 22. In the POST DEPLOYMENT OPTIONS menu, select [C] Copy protocol.jar.
 23. In the WEBLOGIC POST DEPLOYMENT OPTIONS menu, select [C] Copy protocol.jar to Publishing with a Server Lock Manager ATGPublishing.ear to Weblogic Online.
 24. In the POST DEPLOYMENT OPTIONS menu, select [D] Done.
 25. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [O] Configure Another Server Instance.
 26. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [D] Done.
 27. In the CIM MAIN MENU, enter `q` to exit CIM.
 28. Continue with the section [Starting the Publishing and Production Servers \(page 38\)](#).

JBoss

To assemble and deploy your ATG applications on JBoss:

1. In the CIM MAIN MENU, select [3] Application Assembly & Deployment.
2. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [A] ATGProduction - Production with a Server Lock Manager.
3. In the ENTER EAR FILE NAME(S) menu, enter the name `ATGProduction.ear`.
4. In the SELECT JBOSS SERVER TO USE menu, select [C] CIM should create a new server for me.
5. In the SELECT JBOSS SERVER TEMPLATE TO USE menu, select [D] default.
6. Accept the default, `ATGProduction`, for the JBoss server name.
7. In the JBOSS DEPLOYMENT MENU, select [D] Deploy Production with a Server Lock Manager ATGProduction.ear to JBoss.
8. In the JBOSS DEPLOYMENT MENU, select [R] Register Datasources on JBoss.
9. In the JBOSS DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
10. In the JBOSS JDBC DRIVER JAR COPY menu, select [C] Copy file.
11. In the JBOSS DEPLOYMENT MENU, select [P] Post Deployment Actions on JBoss.
12. In the POST DEPLOYMENT OPTIONS menu, select [J] JBoss JVM Optimization.
13. In the JBOSS JVM OPTIMIZATION menu, select [U] Update JBoss run.conf file.
Note: On Windows, this step is called [U] Update JBoss run.conf.bat file.
14. In the POST DEPLOYMENT OPTIONS menu, select [D] Done.
15. In the JBOSS DEPLOYMENT MENU, select [O] Configure Another Server Instance.

-
16. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [P] ATGPublishing - Publishing with a Server Lock Manager.
 17. In the ENTER EAR FILE NAME(S) menu, enter the name `ATGPublishing.ear`.
 18. In the SELECT JBOSS SERVER TO USE menu, select [C] CIM should create a new server for me.
 19. In the SELECT JBOSS SERVER TEMPLATE TO USE menu, select [D] default.
 20. Accept the default, `ATGPublishing`, for the JBoss server name.
 21. In the JBOSS DEPLOYMENT MENU, select [D] Deploy Publishing with a Server Lock Manager `ATGPublishing.ear` to JBoss.
 22. In the JBOSS DEPLOYMENT MENU, select [R] Register Datasources on JBoss.
 23. In the JBOSS DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
 24. In the JBOSS JDBC DRIVER JAR COPY menu, select [C] Copy file.
 25. In the JBOSS DEPLOYMENT MENU, select [P] Post Deployment Actions on JBoss.
 26. In the POST DEPLOYMENT OPTIONS menu, select [D] Done.
 27. In the JBOSS DEPLOYMENT MENU, select [O] Configure Another Server Instance.
 28. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [D] Done.
 29. In the CIM MAIN MENU, enter `q` to exit CIM.
 30. Continue with the section [Starting the Publishing and Production Servers \(page 38\)](#).

WebSphere

1. In the CIM MAIN MENU, select [3] Application Assembly & Deployment.
2. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [A] ATGProduction - Production with a Server Lock Manager.
3. In the ENTER EAR FILE NAME(S) menu, enter the name `ATGProduction.ear` for the Production with a Server Lock Manager ear file.
4. Select [2] `<host>Node01` for the node.
5. In the SELECT WEBSHERE SERVER TO USE menu, select [C] CIM should create a new server for me.
6. Accept the default, `ATGProduction`, for the WebSphere server name.
7. In the WEBSHERE DEPLOYMENT MENU, select [D] Deploy Production with a Server Lock Manager `ATGProduction.ear` to WebSphere.
8. In the WEBSHERE DEPLOYMENT MENU, select [R] Register Datasources on WebSphere.
9. In the WEBSHERE DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
10. In the WEBSHERE APP SERVER CLASSPATH menu, select [C] Continue.
11. In the WEBSHERE DEPLOYMENT MENU, select [O] Configure Another Server Instance.

-
12. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [P] ATGPublishing - Publishing with a Lock Server.
 13. In the ENTER EAR FILE NAME(S) menu, enter the name `ATGPublishing.ear` for the Publishing with a Server Lock Manager ear file.
 14. Select [2] `<host>Node01` for the node.
 15. In the SELECT WEBSPHERE SERVER TO USE menu, select [C] CIM should create a new server for me.
 16. Accept the default, `ATGPublishing`, for the WebSphere server name.
 17. In the WEBSPHERE DEPLOYMENT MENU, select [D] Deploy Publishing with a Server Lock Manager `ATGPublishing.ear` to WebSphere.
 18. In the WEBSPHERE DEPLOYMENT MENU, select [R] Register Datasources on WebSphere.
 19. In the WEBSPHERE DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
 20. In the WEBSPHERE APP SERVER CLASSPATH menu, select [C] Continue.
 21. In the WEBSPHERE DEPLOYMENT MENU, select [O] Configure Another Server Instance.
 22. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [D] Done.
 23. In the CIM MAIN MENU, enter `q` to exit CIM.
 24. Continue with the section [Setting DeploymentManager Properties \(DB2 Only\) \(page 37\)](#)

Setting DeploymentManager Properties (DB2 Only)

In DB2 environments, you must modify the `DeploymentManager` component's properties for the `ATGPublishing` server. Without this step, the full deployment you will perform later on will fail.

Note: DB2 deadlocks occur during deployments over multiple Content Administration threads. This problem is due to IBM's locking strategy (see PMR #42831,756,000), which constrains ATG deployments to a single thread. Use the workaround provided below to avoid this problem.

To modify `DeploymentManager` properties:

1. In a UNIX shell, change directories to `<ATG10dir>/home/servers/ATGPublishing/localconfig/atg`
2. Create a `deployment` directory.
3. Add a file, named `DeploymentManager.properties`, in the `deployment` directory.
4. Edit the `DeploymentManager.properties` file to contain the following:

```
maxThreads=1
useDistributedDeployment=false
```
5. Save the `DeploymentManager.properties` file.
6. Continue with the section [Starting the Publishing and Production Servers \(page 38\)](#).

Starting the Publishing and Production Servers

Follow the instructions below for the application server you are using to start the ATG publishing and production servers.

WebLogic

Starting an ATG server instance on WebLogic is a two-step process. First, you must start the WebLogic server that the ATG server instance runs under, then you start the ATG server instance itself in the WebLogic Server Administration Console.

To start the publishing server:

1. Open a UNIX shell.
2. Navigate to your user domain's bin directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain/bin`.
3. Enter the following command:

```
./startManagedWebLogic.sh ATGPublishing
```

4. If necessary, enter your WebLogic username and password.

Note: Depending on how you configured WebLogic, you may or may not need to enter a username and password when starting a server.

When you see the message "Server started in RUNNING mode" continue with the next step.

5. Return to the WebLogic Server Administration Console.
6. Under Domain Structure, click Deployments for your user domain.
7. Select the `ATGPublishing.ear`.
8. Click Start and choose Servicing All Requests.

When the `ATGPublishing` server is ready to service requests, its state changes to Active and its health changes to OK.

To start the production server:

1. Open another UNIX shell.
2. Navigate to your user domain's bin directory, for example, `/usr/local/Oracle/Middleware/user_projects/domains/base_domain/bin`.
3. Enter the following command:

```
./startManagedWebLogic.sh ATGProduction
```

4. If necessary, enter your WebLogic username and password.

Note: Depending on how you configured WebLogic, you may or may not need to enter a username and password when starting a server.

When you see the message “Server started in RUNNING mode” continue with the next step.

5. Return to the WebLogic Server Administration Console.
6. Select the `ATGProduction.ear`.

Note: This step assumes you are still on the Summary of Deployments page in the WebLogic Server Administration Console. If not, under Domain Structure, click Deployments for your user domain to see this page.

7. Click Start and choose Servicing All Requests.

When the `ATGProduction` server is ready to service requests, its state changes to Active and its health changes to OK.

8. Continue with the section [Browsing the Publishing and Production Servers \(page 40\)](#).

JBoss

To start the publishing server:

1. In a UNIX shell or command prompt, navigate to the JBoss `bin` directory, for example, `/usr/local/jboss-eap-5.1/jboss-as/bin` or `C:\jboss-eap-5.1\jboss-as\bin`.
2. Enter one of the following commands.

UNIX:

```
./run.sh -c ATGPublishing -b 0.0.0.0
```

Windows:

```
run.bat -c ATGPublishing -b 0.0.0.0
```

Note: You can find the output log for the Publishing server instance running under JBoss in `jboss-eap-5.1/jboss-as/server/ATGPublishing/log/server.log`.

To start the production server:

1. Open another UNIX shell or command prompt.
2. Navigate to the JBoss `bin` directory.
3. Enter one of the following commands.

UNIX:

```
./run.sh -c ATGProduction -b 0.0.0.0
```

Windows:

```
run.bat -c ATGProduction -b 0.0.0.0
```

Note: You can find the output log for the Production server instance running under JBoss in `jboss-eap-5.1/jboss-as/server/ATGProduction/log/server.log`.

4. Continue with the section [Browsing the Publishing and Production Servers \(page 40\)](#).

WebSphere

To start the publishing and production servers and applications:

1. In the WebSphere Integrated Solutions Console, expand Servers, and then expand Server Types.
2. Click WebSphere application servers.
3. Select the `ATGPublishing` server and click Start. This process starts the `ATGPublishing` server and also automatically starts the `ATGPublishing.ear` application.
4. Select the `ATGProduction` server and click Start. This process starts the `ATGProduction` server and also automatically starts the `ATGProduction.ear` application.
5. Continue with the section [Browsing the Publishing and Production Servers \(page 40\)](#).

Browsing the Publishing and Production Servers

The following procedures allow you to verify the success of your configuration by browsing the ATG publishing and production servers.

Browsing the Publishing Server

You can browse the publishing server using two utilities, the Oracle ATG Web Commerce Business Control Center, where business users can further configure the ATG environment, and ATG Dynamo Server Admin, where technical users can find a number of useful features.

To access the Business Control Center:

1. In a browser, navigate to:

```
http://<hostname>:<HTTP_port>/atg/bcc
```

For example, on WebLogic:

```
http://localhost:7103/atg/bcc
```

On JBoss:

```
http://localhost:8180/atg/bcc
```

On WebSphere:

```
http://localhost:9181/atg/bcc
```

2. Enter `admin` for the username and `admin123` for the password, and then click Log In.

To access ATG Dynamo Server Admin:

1. In a browser, navigate to:

```
http://<hostname>:<HTTP_port>/dyn/admin
```

For example, on WebLogic:

```
http://localhost:7103/dyn/admin
```

On JBoss:

```
http://localhost:8180/dyn/admin
```

On WebSphere:

```
http://localhost:9181/dyn/admin
```

2. In the authentication dialog box, enter `admin` for both the username and password and click OK.
3. **(WebLogic only)** WebLogic requires an additional login for the WebLogic server. Enter your WebLogic username and password, and then click OK.
4. You see the Password Management page. For security reasons, you must change the password to ATG Dynamo Server Admin the first time you access it.
5. In the Username and Current Password fields, enter `admin`.
6. In the New Password field, enter a new password, for example, `admin123`.
7. Re-enter the new password in the Confirm Password field, then click Submit Query.
8. In the authentication dialog box, enter `admin` for the user name and `admin123` for the password and click OK.
You are notified that the password has been successfully updated.
9. To access the ATG Dynamo Administration interface, click the `admin` link at the top of the Password Management page.
10. For subsequent access to the ATG Dynamo Administration interface, you need only follow steps 1 through 3 above, using `admin123` as the password.

Browsing the Production Server

You can verify the health of the production server by accessing the ATG Store storefront or the Production instance of ATG Dynamo Server Admin.

Note that the images on the ATG Store home page are managed through targeters. Targeters determine which content to show based on rules that you specify. Targeters are file-based assets that must be deployed from the publishing server to the production server before you can see their content. You will perform a full deployment next after verifying the health of your servers but for now, you will not see images on the ATG Store home page.

To access the ATG Store storefront:

1. In another browser window, navigate to:

```
http://<hostname>:<HTTP_port>/crs/storeus
```

On WebLogic:

```
http://localhost:7003/crs/storeus
```

For example, on JBoss:

`http://localhost:8080/crs/storeus`

On WebSphere:

`http://localhost:9081/crs/storeus`

2. **(Search Only)** If your environment uses Search, click a category from the menu bar. Notice that you only have a category list on the left side of the page and the site does not show any facets. For example, if you click the Gift Shop category, you see For Him and For Her categories but you do not see facets such as price, color, or size. You will configure facets later when you build your search index.

Note: On Windows, you see neither facets nor subcategories at this point in the configuration process. Subcategories are introduced after running a full deployment while facets appear after building your search index.



To access ATG Dynamo Server Admin on the Production server, repeat the steps you followed in the previous section to access ATG Dynamo Server Admin on the Publishing server, but use the following URL in step 1:

`http://<hostname>:<HTTP_port>/dyn/admin`

For example, on WebLogic, use:

`http://localhost:7003/dyn/admin`

On JBoss, use:

`http://localhost:8080/dyn/admin`

On WebSphere, use:

`http://localhost:9081/dyn/admin`

Configuring and Running a Full Deployment

In the following procedure, you perform a full deployment to transfer assets from the Publishing server to the Production server. Assets are persistent, publishable objects such as scenarios, user segments, and HTML files that are used by ATG applications. After the initial installation and configuration through CIM, the ATG Store assets exist on the Publishing server but they must be deployed to the Production server to be accessible from the ATG Store website.

To create a site and agent in the Business Control Center:

1. If necessary, log onto the Business Control Center. For instructions, see [Browsing the Publishing Server \(page 40\)](#).
2. Click Content Administration, and then click Admin Console.
3. Click Configuration, and then click Add Site.

4. Enter the following details:
 - Site Name: Production
 - Site Initialization Options: Do a full deployment
 - Site Type: Workflow target
5. Add the following repository mappings. To add a repository mapping, select a Source Repository and Destination Repository, then click Add.

| Source Repository | Destination Repository |
|---|---|
| /atg/commerce/catalog/ProductCatalog | /atg/commerce/catalog/ ProductCatalog_production |
| /atg/commerce/claimable/ ClaimableRepository | /atg/commerce/claimable/ ClaimableRepository_production |
| /atg/commerce/pricing/priceLists/ SecurePriceLists | /atg/commerce/pricing/priceLists/ PriceLists_production |
| /atg/multisite/SiteRepository | /atg/multisite/ SiteRepository_production |
| /atg/search/repository/ RefinementRepository | /atg/search/repository/ RefinementRepository_Production |
| /atg/seo/SEORepository | /atg/seo/SEORepository_production |
| /atg/store/stores/StoreRepository | /atg/store/stores/ StoreRepository_production |
| /atg/userprofiling/ PersonalizationRepository | /atg/userprofiling/ PersonalizationRepository_production |

6. Click Save Changes to save your changes and enable the Agents tab.
7. Click the Agents tab, and then click Add Agent to Site.
8. Enter the following details:
 - Agent Name: ProdAgent
 - Transport URL: rmi://<hostname>:<production_rmi_port>/atg/epub/AgentTransport
 For example:
 rmi://localhost:8860/atg/epub/AgentTransport

Note: The RMI port you enter here should be the same RMI port you specified in [Installing the ATG Platform \(page 22\)](#).
9. Click the button with the double-right arrow to include both the /atg/epub/file/WWWFileSystem and /atg/epub/file/ConfigFileSystem file systems in the configuration.
10. Click Save Changes.

-
11. Click the Back to deployment administration configuration link.
 12. Click Make changes live.
 13. Accept the default, Do a full deployment (data NOT imported), then click Make changes live.
 14. To view your deployment's progress, under Deployment Administration, click Overview, then click Production to see the percent complete.
 15. After the deployment has finished, browse the ATG Store storefront again to see the home page images. See [Browsing the Production Server \(page 41\)](#) for detailed instructions.
 16. If your configuration includes Search, continue with the section [Configuring a Search Project \(page 44\)](#).

Troubleshooting Deployment Failures

If your deployment is not successful, it may be related to the transaction timeout setting in your application server. All supported application servers time out long running transactions by marking the active transaction as rolled back (essentially, by calling `setRollbackOnly` on the transaction), which could result in problems with ATG applications. If your deployment fails, try increasing the transaction timeout setting and resuming the deployment in the Business Control Center. For details on changing your transaction timeout, see *Setting the Transaction Timeout on WebLogic, Setting the Transaction Timeout on JBoss, or Setting the Transaction Timeout on WebSphere* in the *ATG Installation and Configuration Guide*.

Configuring a Search Project

This section is for Search configurations only. Commerce Reference Store ships with a pre-configured search project called "Commerce Reference Store." In the procedure below, you build an index based on the Commerce Reference Store search project that supports facets and other search functionality.

To index the Commerce Reference Store search project:

1. If you have just finished deploying, click Home in the Business Control Center title bar to return to the main Business Control Center window. Otherwise, log onto the Business Control Center (for instructions, see [Browsing the Publishing Server \(page 40\)](#)).
2. Click Search Administration, then click Browse Search Projects.
3. On the Projects tab, expand Projects, and then expand Commerce Reference Store.
4. Click Indexing.
5. Click Build Index to initiate a full index.
6. After the index is complete, in a browser, navigate to:

```
http://<hostname>:<HTTP_port>/crs/storeus
```

For example, on WebLogic:

```
http://localhost:7003/crs/storeus
```

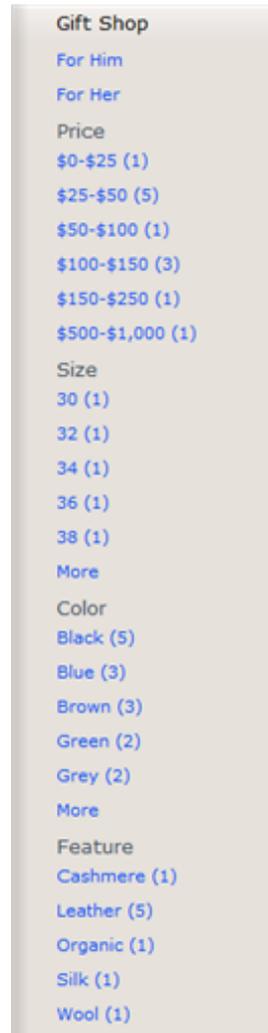
On JBoss:

`http://localhost:8080/crs/storeus`

On WebSphere:

`http://localhost:9082/crs/storeus`

7. Click a category from the menu bar, for example, Gift Shop. Notice the addition of facets below the For Him and For Her subcategories that allow you to further refine the products in the Gift Shop category by price, size, color, or feature.



5 Uninstalling Commerce Reference Store

The instructions in this section tell you how to remove an existing Commerce Reference Store installation so that you have a clean environment and can start again. In the procedure below, you are only removing ATG artifacts. Your application server, the JDK, and your environment variables remain intact and usable for your next installation. The basic process involves these steps:

- Stop the production and publishing servers.
- **(WebLogic and WebSphere Only)** Remove ATG artifacts through the application server console.
- Use CIM to drop the Production, Switching B, Switching A, and Publishing schemas from your database, in that order.
- **(Windows Only)** Remove the ATG software through the Add or Remove Programs control panel.
- Delete the <ATG10dir> directory.
- **(JBoss Only)** Delete the Production and Publishing server instances.

Stopping the ATG Servers and Removing ATG Artifacts

Follow the instructions below for your application server.

Stopping the ATG Servers and Removing ATG Artifacts on WebLogic

To stop the ATG servers and remove ATG artifacts on WebLogic:

1. Go to the shell where you started the WebLogic server that supports the `ATGProduction` server instance and enter Ctrl-C to stop the WebLogic server.
2. Go to the shell where you started the WebLogic server that supports the `ATGPublishing` server instance and enter Ctrl-C to stop the WebLogic server.
3. Open a browser and enter the address of the WebLogic Server Administration Console:

```
http://<hostname>:7001/console
```
4. Enter your WebLogic username and password (default is `weblogic/weblogic1`).

-
5. Under Domain Structure, click Deployments for your user domain.
 6. Select the `ATGPublishing.ear` and the `ATGProduction.ear`, and then click Delete.
 7. Under Domain Structure, expand Environment for your user domain, and then click Servers.
 8. Select the `ATGPublishing` and the `ATGProduction` servers, and then click Delete.
 9. Under Domain Structure, expand Services for your user domain, and then click Data Sources.
 10. Select the `ATGProductionDS`, `ATGPublishingDS`, `ATGSwitchingDS_A`, and `ATGSwitchingDS_B` datasources, then click Delete.
 11. Continue with [Dropping ATG Schemas \(page 50\)](#).

Stopping the ATG Servers on JBoss

Follow the instructions below for your environment.

On UNIX

To stop the `ATGProduction` and `ATGPublishing` servers on UNIX:

1. In a shell window, enter the following to list all running processes:

```
ps -ef
```

2. Identify the process ID numbers for the ATG servers and their related Java processes. There will be four processes and the entries in the CMD column will look similar to the following:

```
/bin/sh ./run.sh -c ATGPublishing -b 0.0.0.0  
/usr/local/sun/jdk/jdk1.6.0_22/bin/java <JVM settings>
```

```
/bin/sh ./run.sh -c ATGPublishing -b 0.0.0.0  
/usr/local/sun/jdk/jdk1.6.0_22/bin/java <JVM settings>
```

3. Enter the following command to kill the ATG processes, replacing `<processIDs>` with a space delimited list of the IDs you identified in the previous step:

```
kill -9 <processIDs>
```

4. Continue with [Dropping ATG Schemas \(page 50\)](#).

Note: It is best to use this method of killing the ATG servers, instead of Control-C, in order to make sure that all ATG-related processes are stopped and the ports are available for future use.

On Windows

To stop the `ATGProduction` and `ATGPublishing` servers on Windows:

1. In the command prompt where you are running the `ATGProduction` server, type Ctrl-C.
2. Enter Y to confirm the process termination.
3. Repeat these steps in the command prompt where you are running the `ATGPublishing` server.
4. Continue with [Dropping ATG Schemas \(page 50\)](#).

Stopping the ATG Servers and Removing ATG Artifacts on WebSphere

1. Open a browser and enter the address of the WebSphere Integrated Solutions Console, for example:

```
http://localhost:9060/ibm/console
```

2. Enter your WebSphere password.
3. Expand Servers, and then expand Server Types.
4. Click WebSphere application servers.
5. Select the `ATGProduction` and `ATGPublishing` servers and click Stop.
6. Click OK to confirm, and then click OK again in the Server Status Feedback page after the servers are stopped.
7. Expand Environment, and then click Virtual Hosts.
8. Select the `ATGProduction_host` and `ATGPublishing_host` and click Delete.
9. Click Save to save your changes to the master configuration.
10. Expand Applications, and then expand Application Types.
11. Click WebSphere enterprise applications.
12. Select the `ATGProduction.ear` and `ATGPublishing.ear` files and click Uninstall.
13. Click OK to confirm, and then click Save to save the change to the master configuration.
14. Return to the WebSphere application servers page.
15. Select the `ATGProduction` and `ATGPublishing` servers and click Delete.
16. Click OK to confirm, and then click Save to save the changes to the master configuration.
17. Expand Resources, and then expand JDBC.
18. Click Data Sources.
19. Select `ATGProductionDS`, `ATGPublishingDS`, `ATGSwitchingDS_A`, and `ATGSwitchingDS_B`, then click Delete.
20. Click Save to save the changes to the master configuration.
21. Stop the default application server:
 - In a UNIX shell, change directories to your application server's `bin` directory, for example, `/usr/local/IBM/WebSphere/AppServer/profiles/AppSrv01/bin`.
 - Enter the following command:

```
./stopNode.sh
```You see a status report similar to the following when the default application server has stopped:

```
Server nodeagent stop completed.
```
22. Stop the deployment manager:

-
- In a UNIX shell, change directories to your deployment manager's bin directory, for example, `/usr/local/IBM/WebSphere/AppServer/profiles/Dmgr01/bin`

- Enter the following command:

```
./stopManager.sh
```

You see a status report similar to the following when the deployment manager has stopped:

```
Server dmgr stop completed.
```

23. Continue with [Dropping ATG Schemas \(page 50\)](#).

Dropping ATG Schemas

1. In a UNIX shell or command prompt, run CIM. For detailed instructions, see [Starting CIM \(page 26\)](#).
2. In the CIM MAIN MENU, select [1] Database Configuration – Done.
3. In the SELECT A DATASOURCE TO CONFIGURE menu, select [B] Switching B – Done.
4. In the CONFIGURE DATASOURCE SWITCHING B menu, select [D] Drop Schema.
5. In the DROP SCHEMA menu, select [D] Drop Schema.
6. In the CONFIGURE DATASOURCE SWITCHING B menu, select [O] Configure Another Datasource.
7. In the SELECT A DATASOURCE TO CONFIGURE menu, select [S] Switching A – Done.
8. In the CONFIGURE DATASOURCE SWITCHING A menu, select [D] Drop Schema.
9. In the DROP SCHEMA menu, select [D] Drop Schema.
10. In the CONFIGURE DATASOURCE SWITCHING A menu, select [O] Configure Another Datasource.
11. In the SELECT A DATASOURCE TO CONFIGURE menu, select [C] Production Core – Done.
12. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [D] Drop Schema.
13. In the DROP SCHEMA menu, select [D] Drop Schema.
14. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [O] Configure Another Datasource.
15. In the SELECT A DATASOURCE TO CONFIGURE menu, select [P] Publishing – Done.
16. In the CONFIGURE DATASOURCE PUBLISHING menu, select [D] Drop Schema.
17. In the DROP SCHEMA menu, select [D] Drop Schema.
18. In the CONFIGURE DATASOURCE PUBLISHING menu, select [O] Configure Another Datasource.
19. In the SELECT A DATASOURCE TO CONFIGURE menu, select [D] Done.
20. Enter `q` to exit CIM.

Removing Oracle ATG Web Commerce Software (Windows Only)

Follow the steps below to remove ATG software from your Windows machine. Be careful to remove the software in the order described (that is, remove the Oracle ATG Web Commerce [version] software last).

To remove ATG software:

1. From the Start menu, click Control Panel.
2. Double-click Programs and Features.
3. Select Oracle ATG Web Commerce Reference Store [version] and click Uninstall/Change.
4. In the installer program, click Uninstall.
5. Click Done.
6. In the control panel, select Oracle ATG Web Commerce Search [version] and click Uninstall/Change.
7. In the installer program, click Uninstall.
8. Click Done.
9. In the control panel, select Oracle ATG Web Commerce [version] and click Uninstall/Change.
10. In the installer program, click Uninstall.
11. Click Done.
12. Reboot the machine.

Deleting ATG Directories

To delete ATG-related directories:

1. Delete the <ATGdir10> directory.
2. **(WebLogic Only)** Delete the ATGProduction and ATGPublishing directories and stop the WebLogic application server:
 - Change directories to your WebLogic servers directory, for example, /usr/local/Oracle/Middleware/user_projects/domains/base_domain/servers
 - Delete both the ATGProduction and ATGPublishing directories.
 - Enter the following commands to stop the WebLogic application server:

```
cd /usr/local/Oracle/Middleware/user_projects/domains/  
base_domain/bin  
  
./stopWebLogic.sh
```

3. **(JBoss Only)** Delete the ATGProduction and ATGPublishing directories:

- Change directories to your JBoss servers directory, for example, `/usr/local/jboss-eap-5.1/jboss-as/server` or `C:\jboss-eap-5.1\jboss-as\server`.
- Delete both the ATGProduction and ATGPublishing directories.

4. **(WebSphere Only)** Delete the ATGProduction and ATGPublishing log directories:

- Change directories to your WebSphere logs directory, for example, `/usr/local/IBM/WebSphere/AppServer/profiles/AppSrv01/logs`
- Delete both the ATGProduction and ATGPublishing directories.

At this point, you are ready for a clean Commerce Reference Store installation. To do a clean install, begin with the [Installing the Oracle ATG Web Commerce Software \(page 22\)](#) section in this guide.

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