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**ATG WEB COMMERCE**

Version 10.0.2

Commerce Reference Store 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 ATG Commerce Reference Store on the JBoss, WebSphere, or WebLogic application servers. This chapter covers the following topics:

[Document Conventions](#)

[Important Terms](#)

## 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

CRS can be installed and configured in two ways:

- Evaluation Installation: Evaluators who want to quickly install CRS 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 CRS as a starting point for custom development, you should perform a development installation instead.
- Development Installation: Developers who are interested in modifying and extending CRS 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 ATG Commerce Reference Store. It includes the following topics:

[Evaluation Installation Requirements](#)

[Installing the ATG Platform Software](#)

[Installing ATG Commerce Reference Store](#)

[Configuring ATG Commerce Reference Store](#)

[Starting the ATG Store Storefront](#)

[Accessing ATG Utilities](#)

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

### Evaluation Installation Requirements

The evaluation installation has the following requirements:

- A supported Windows operating system.
- A supported JDK. Also, the JVM must be in your system PATH.
- A supported version of the JBoss application server. You must install JBoss before installing the ATG platform. See the JBoss documentation for detailed information.

For information on supported Windows operating systems, JBoss application server versions, and JDK versions, see the Supported Environments page at <http://www.atg.com/en/products/requirements/>.

### Installing the ATG Platform Software

The ATG platform installer is available as a self-extracting Windows executable (ATG10\_0\_2.exe) which you can download from the Oracle web site.

To install the ATG platform:

1. Run the ATG10\_0.exe file to start the setup program.
2. Click Next.
3. Accept the terms of the license agreement, then click Next.
4. Select the installation folder for the ATG software (C:\ATG\ATG10.0.2, for example), then click Next.
5. Select all the ATG products, then click Next:
  - ATG Adaptive Scenario Engine
  - ATG Business Commerce
  - ATG Consumer Commerce
  - ATG Portal
  - ATG Content Administration
6. Select JBoss as your application server, then click Next.
7. Enter the following configuration information for JBoss:
  - The JBoss home directory (C:\jboss-eap-5.1\jboss-as, for example)
  - The JDK home directory (C:\jdk1.6.0\_22, for example)
  - The listen port that JBoss uses to listen for incoming connections (defaults to 8080)
  - The RMI port your Nucleus-based applications will use (defaults to 8860)Click Next.
8. Review the installation summary, then click Install.

The ATG installer copies the ATG distribution down to the folder you selected. It also creates a JBoss server named \atg in your <JBdir>\server directory. This server is based on the default JBoss server without modifications. See your JBoss documentation for information on JBoss servers.
9. Click Done to close the installer.

## Installing ATG Commerce Reference Store

The CRS installer is available as a self-extracting Windows executable (CommerceReferenceStore10\_0\_2.exe) which you can download from the Oracle web site.

To install the evaluation version of CRS:

1. Run the CommerceReferenceStore10\_0\_2.exe file to start the setup program.
2. In the Introduction screen, click Next.
3. Accept the terms of the license agreement and click Next.



4. On the Install Folder screen, navigate to the location of your ATG Platform installation, for example, C: \ATG\ATG10. 0. 2, then click Next.
5. In the Choose Shortcut Folder, click Next.
6. Review the installation summary, then click Install.
7. In the Install Complete screen, click Done.

## Configuring ATG Commerce Reference Store

To configure CRS, you start the CRS Solid database and run a CIM script to populate it.

To configure CRS:

1. From the Start menu, choose Programs > ATG Commerce Reference Store [version] > Start Solid Server.
2. From the Start menu, choose Programs > ATG Commerce Reference Store [version] > Configure Commerce Reference Store.
3. Type Y and press Enter to load the evaluation data.

The command prompt window closes when the script is complete.

## 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. The ATG evaluation installation makes these tasks easy by setting up two shortcuts for you.

To start the ATG Store storefront:

1. From the Start menu, choose Programs > ATG Commerce Reference Store [version] > Start ATG [version].

The ATG server takes some time to start up. When you see a message similar to the following in the command prompt, you will know that the ATG server is running and you can start the ATG Store storefront:

```
Started i n 1m: 7s: 78ms
```

2. From the Start menu, choose Programs > ATG Commerce Reference Store [version] > Commerce Reference Store. A browser window opens, with the ATG Store storefront displayed.



## Accessing ATG Utilities

There are two utilities you can access to learn more about the ATG Store instance you have just installed: ATG Dynamo Server Admin and ATG Control Center.

### 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 start ATG Dynamo Server Admin:

- In a browser window, go to the following URL: `http://localhost:8080/dyn/admin`

### ATG Control Center

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

To start ATG Control Center:

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



## 4 Development Installation

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

[Development Installation Configurations](#)

[Development Installation Requirements](#)

[Before Installing ATG Software](#)

[Installing ATG Software](#)

[Configuring the ATG Environment](#)

[Starting the Publishing and Production Servers](#)

[Browsing the Publishing and Production Servers](#)

[Configuring and Running a Full Deployment](#)

[Configuring a Search Project](#)

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

### Development Installation Configurations

The instructions in this section describe how to install and configure two types of development environments, one with ATG 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) runs the appropriate configuration and modules for its designated tasks. The publishing instance runs Content Administration, Merchandising, and Site Administration. The production instance runs CRS and the Content Administration publishing agent. For environments that include ATG Search, the publishing instance also runs Search Administration and the Search Engine, while the production instance runs Search Routing. The CRS 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.



CRS 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 following languages:

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

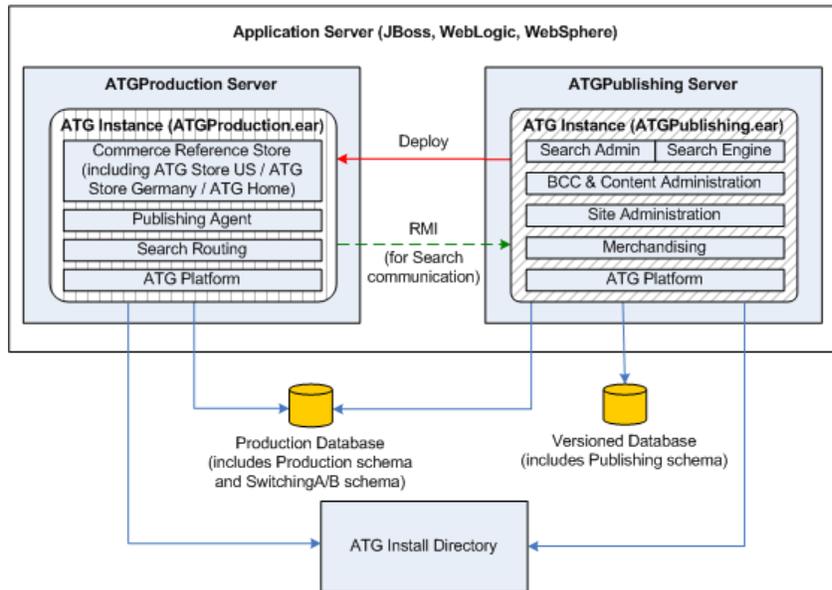
CRS uses a switching database configuration that allows you to deploy changes to an offline copy of your data, rather than making changes directly to the data your live site depends on. After the data is deployed to the offline copy, a switch is made so that the offline copy becomes the online copy and 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 Content Administration, to the production database. Not all data benefits from versioning, so the production database contains several schemas:

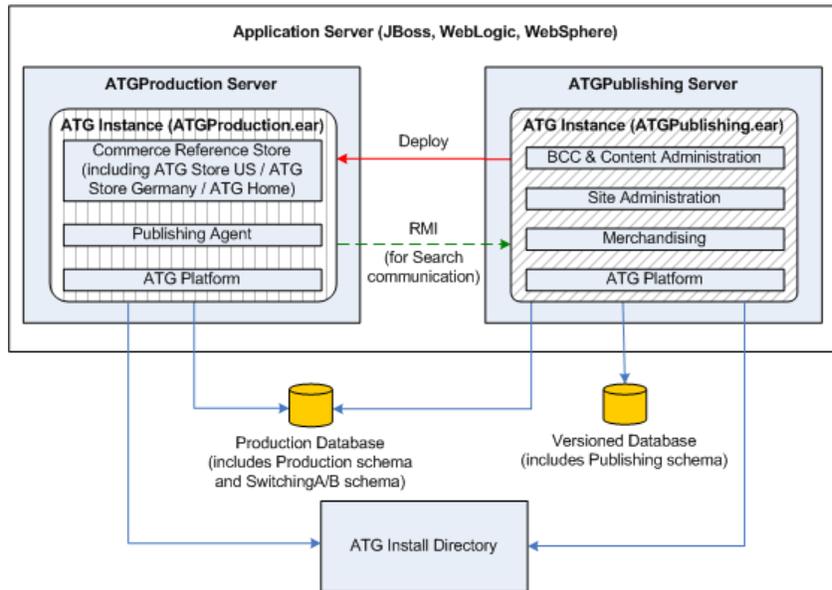
- The Product i on schema holds data that doesn't benefit from switching, such as user account data.
- The Swi tchi ngA and Swi tchi ngB schemas hold data that does benefit from switching, such as catalog and pricing data. Only one switching schema is active on the live site at any given time. Data is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

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

The following illustration shows the CRS architecture with ATG Search:



The following illustration shows the CRS architecture without ATG 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 information on supported operating systems, application servers, databases, and JDK versions for ATG products, see the Supported Environments page on <http://www.atg.com/en/products/requirements/>.

## Before Installing ATG 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, and database you will be using (see [Development Installation Requirements](#) above for details). In addition, determine whether your ATG environment will:

- Include or exclude ATG 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 CRS 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 Customer Reference Store and this *Installation and Configuration Guide* have been tested on the following configurations:

- Linux/JBoss/Oracle
- Windows/JBoss/MS SQL



- Solaris/WebLogic/Oracle
- AIX/WebSphere/DB2

## Setting Environment Variables

Set the following environment variables for your system:

- Set any environment variables required by your database.
- Set JAVA\_HOME:
  - **For Linux, Solaris, and Windows**, set JAVA\_HOME to your JDK's home directory (for example, /usr/local/jdk1.6.0\_22 or C:\jdk1.6.0\_22).
  - **For AIX**, set JAVA\_HOME to point to the JDK included in the WebSphere distribution (for example, /usr/local/IBM/WebSphere/AppServer/java).
- Set PATH:
  - **For Linux and Windows**, set PATH to include the JDK/bin directory (for example, /usr/local/jdk1.6.0\_22/bin or C:\jdk1.6.0\_22\bin).
  - **For Solaris**, set PATH to include the JDK/bin/sparcv9 directory (for example, /usr/local/jdk1.6.0\_22/bin/sparcv9).
  - **For AIX**, set PATH to include the JDK/bin directory included in the WebSphere distribution (for example, /usr/local/IBM/WebSphere/AppServer/java/bin).
- Set DYNAMO\_HOME to the <ATG10dir>/home directory (for example, /usr/local/Atg/ATG10.0.2/home or C:\ATG\ATG10.0.2\home).

### Notes:

- 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://repository.jboss.com/maven2-brew/cglib/cglib/2.2/cglib-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 ATG Software

CRS depends on installation of the following ATG products:

- ATG Platform
- ATG Search (for configurations with ATG Search only)
- ATG 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, 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 `javac` 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_0_2.bin LAX_VM /usr/local/jdk1.6.0_22/bin/java
```

### Installing the ATG Platform

To install the ATG platform:

1. Run the `ATG10_0_2.exe|bin` file to start the setup program.
2. On Windows, click Next.
3. Accept the terms of the license agreement.
4. Select the installation folder for the ATG software (for example, `/usr/local/ATG/ATG10.0.2` or `C:\ATG\ATG10.0.2`).
5. Select the ATG products to install:
  - ATG Adaptive Scenario Engine
  - ATG Business Commerce
  - ATG Consumer Commerce



- ATG Portal
  - ATG Content Administration
6. Select your application server. For WebSphere environments, choose option 2 for WebSphere without clustering.
  7. Enter the required configuration information for your application server.
    - **(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\_22 or C:\Program Files\Java\jdk1.6.0\_22)
    - **(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/jdk1.6.0\_22 or C:\Program Files\Java\jdk1.6.0\_22)
    - **(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 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 down to the location you selected.
  9. On UNIX, press Enter to exit the installer. On Windows, click Done to exit the installer.



## Installing ATG Search

If your configuration includes ATG Search, continue with this section to install the ATG Search software. If it does not, continue with [Installing ATG Commerce Reference Store](#) instead.

To install ATG Search:

1. Run the ATGSearch10\_0\_2-*<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. Select the installation folder for the ATG Search software (the default is the *<ATG10dir>* directory). In the location you specify, the installer creates a Search10.0.2 directory that contains the ATG Search software.
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 ATG Search distribution down to the location you specified.

8. Choose a Deploy Share folder (/usr/local/ATG/ATG10.0.2/Search10.0.2 or C:\ATG\ATG10.0.2/Search10.0.2, for example).
9. On UNIX, press Enter to exit the installer. On Windows, click Done to exit the installer.

## Installing the ATG Commerce Reference Store

To install ATG Commerce Reference Store:

1. Run the CommerceReferenceStore10\_0\_2.exe|bin file to start the setup program.
2. On Windows, click Next.
3. Accept the terms of the license agreement.
4. Select the installation folder for the ATG Commerce Reference Store software (the default is the *<ATG10dir>* directory). In the location you specify, the installer creates a CommerceReferenceStore directory that contains the ATG Commerce Reference Store software.
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 ATG Commerce Reference Store distribution down 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 ATG 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. 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, 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](#).

## 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 ATG 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, B2C Commerce, Merchandising, and Custom Catalogs and optional ACI, Preview, and ATG Search.
3. **(Search Only)** If your configuration will include ATG 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 ADDONS menu, select D to indicate you are done and ready to move to the next menu.
6. In the CHOOSE SWITCHING OR NON-SWITCHING DATASOURCE menu, select [2] Switching Datasource.
7. **(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.
8. **(Search Only)** Select D to indicate you are done and ready to move to the next menu.
9. **(Search Only)** In the SEARCH INDEX TYPE SELECTION menu, select [1] Index by Product.
10. In the CHOOSE ATG COMMERCE STORE ADDONS menu, select both [1] Storefront Demo Application and [4] Fulfillment. To select both options, type them as a space-delimited list (1 4), then press Enter.



11. **(International Only)** If you want internationalization functionality, select [3] International : Enables multi-country and multi-language functionality.
12. Select D to indicate you are done and ready to move to the next menu.
13. In the CHOOSE STOREFRONT ADDONS menu, select [D] Done to indicate you are done and ready to move to the next menu.
14. In the CHOOSE STOREFRONT SAMPLE DATA CONFIGURATION menu, select [1] Full: Populated product catalog, users, orders, promotions, etc.
15. Continue with the section [Select an Application Server](#).

## Select an Application Server

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

### *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 [Configure Your Database Connections](#).

### *WebLogic*

1. In the CIM MAIN MENU menu, select [A] Select Application Server.
2. In the APPLICATION SERVER SELECTION menu, select [3] 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 machine, the confirmation message can take several minutes to appear.



10. Continue with the section [Configure Your Database Connections](#).

### **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 [4] IBM WebSphere Application Server.
3. In the ENTER WEBSHERE HOME PATH menu, enter the full path to you 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 WEBSHERE ONLINE STATUS menu, select [P] Perform Validation.
8. Continue with the section [Configure Your Database Connections](#).

## **Configure 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 ATGPubl i shi ngDS 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.  
**Note:** Database creation and importing data can take time, depending on your environment.
11. In the CONFIGURE DATASOURCE PUBLISHING menu, select [O] Configure Another Datasource.
12. In the SELECT A DATASOURCE TO CONFIGURE menu, select [S] Switching A.
13. In the CONFIGURE DATASOURCE SWITCHING A menu, select [C] Connection Details.
14. In the RE-USE VALUES FROM PREVIOUS DATASOURCE menu, select [2] None/Use Existing.
15. In the ENTER CONNECTION DETAILS menu, select your database type.
16. 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 ATGSwi tchi ngDS\_A.
17. In the CONFIGURE DATASOURCE SWITCHING A menu, select [T] Test Connection.  
CIM tests the connection to verify that it is healthy.
18. In the CONFIGURE DATASOURCE SWITCHING A menu, select [S] Create Schema.
19. In the CREATE SCHEMA menu, select [C] Create Schema.
20. In the CONFIGURE DATASOURCE SWITCHING A menu, select [I] Import Initial Data.
21. In the IMPORT DATA menu, select [I] Import Data.
22. In the CONFIGURE DATASOURCE SWITCHING A menu, select [O] Configure Another Datasource.
23. In the SELECT A DATASOURCE TO CONFIGURE menu, select [B] Switching B.
24. In the CONFIGURE DATASOURCE SWITCHING B menu, select [C] Connection Details.
25. In the RE-USE VALUES FROM PREVIOUS DATASOURCE menu, select [3] None/Use Existing.



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

## Configure Your ATG Server Instances

In this section, you configure publishing and production ATG server instances. If your configuration does not include ATG 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 [P] Publishing Server - 0 Instances Configured.
3. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [P] Publishing Server 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 ATGPubl i shi ng for the Server Instance Name.
9. **(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.
10. Enter the following ports. The defaults CIM provides for each application server are listed in the table below. Defaults that *must be changed* are marked with an asterisk and a recommended port value is provided in parentheses. You can leave the other defaults as is unless they cause port conflicts on your machine.

Port Type	JBoss Default	WebLogic Default	WebSphere Default
HTTP Port	8180	7003* (7005)	9080* (9081)
HTTPS Port	8543	7004* (7006)	9443* (9444)
Site HTTP Port	8180	7003* (7005)	9080* (9081)
RMI Port	8861	8860* (8861)	8860* (8861)
DRP Port	8851	8850* (8851)	8850* (8851)
File Deployment Port	8811	8810* (8811)	8810* (8811)



File Synchronization Deploy Server Port	8816	8815	8815
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.

11. In the INSTANCE MANAGEMENT menu, select [D] Done.
12. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [O] Configure Another Server Instance Type.
13. In the SERVER INSTANCE TYPE SELECTION menu, select [S] Production Server - 0 Instances Configured.
14. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [P] Production Server General Configuration – REQUIRED.
15. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [I] Instance Management – REQUIRED.
16. In the INSTANCE MANAGEMENT menu, select [A] Add Server Instance.
17. In the Select Type of Server Instance To Create menu, select [1] Production with a Server Lock Manager: Minimum 1 Required.
18. In the NAME FOR NEW SERVER INSTANCE menu, enter ATGProduct i on for the Server Instance Name.
19. **(JBoss Only)** In the JBOSS PORT BINDING menu, select [U] Use Default Port Binding.
20. Enter the following ports. The defaults CIM provides for each application server are listed in the table below. Defaults that *must be changed* are marked with an asterisk and a recommended port value is provided in parentheses. You can leave the other defaults as is unless they cause port conflicts on your machine.

Port Type	JBoss Default	WebLogic Default	WebSphere Default
HTTP Port	8080	7003	9080* (9082)
HTTPS Port	8443	7004	9443* (9445)
Site HTTP Port	8080	7003	9080* (9082)
RMI Port	8860	8860	8860
DRP Port	8850	8850	8850
File Deployment Port	8810	8810	8810



Lock Server Port	9012	9012	9012
------------------	------	------	------

21. In the INSTANCE MANAGEMENT menu, select [D] Done.
22. In the SERVER INSTANCE TYPE CONFIGURATION menu, select [O] Configure Another Server Instance Type.
23. In the SERVER INSTANCE TYPE SELECTION menu, select [D] Done.
24. Continue with the section [Assemble and Deploy Your ATG Applications](#).

## Assemble and Deploy 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.

### ***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 ATGProduct i on. 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, ATGProduct i on, 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 ATGPubl i shi ng. 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, ATGPubl i shi ng, 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](#).

### **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 - ATG Commerce Store Production with Server Lock Manager.
3. In the ENTER EAR FILE NAME(S) menu, enter the name ATGProduct i on. ear for the ATG Commerce Store Production with Server Lock Manager.
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 [C] Copy protocol.jar.
10. In the WEBLOGIC POST DEPLOYMENT OPTIONS menu, select [C] Copy protocol.jar to Production with a Server Lock Manager ATGProduction.ear to Weblogic Online.



11. In the POST DEPLOYMENT OPTIONS menu, select [D] Done.
12. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [O] Configure Another Server Instance.
13. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [P] ATGPublishing - Publishing with a Server Lock Manager.
14. In the ENTER EAR FILE NAME(S) menu, enter the name ATGPublishing.ear for the ATG Commerce Store Production with Server Lock Manager.
15. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [D] Deploy Publishing with a Server Lock Manager ATGPublishing.ear to Weblogic Online.
16. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [R] Register Datasources on WebLogic Online.
17. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
18. In the WEBLOGIC CLASSPATH MODIFICATION menu, select [U] Update the [WebLogic\_domain]/bin setDomainEnv.sh file.
19. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [P] Post Deployment Actions on WebLogic Online.
20. In the POST DEPLOYMENT OPTIONS menu, select [C] Copy protocol.jar.
21. In the WEBLOGIC POST DEPLOYMENT OPTIONS menu, select [C] Copy protocol.jar to Publishing with a Server Lock Manager ATGPublishing.ear to Weblogic Online.
22. In the POST DEPLOYMENT OPTIONS menu, select [D] Done.
23. In the WEBLOGIC ONLINE DEPLOYMENT MENU, select [O] Configure Another Server Instance.
24. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [D] Done.
25. In the CIM MAIN MENU, enter q to exit CIM.
26. Continue with the section [Starting the Publishing and Production Servers](#).

### **WebSphere**

1. In the CIM MAIN MENU, select [3] Application Assembly & Deployment.
2. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [A] ATGProduction - ATG Commerce Store Production with Server Lock Manager.
3. In the ENTER EAR FILE NAME(S) menu, enter the name ATGProduction.ear for the ATG Commerce Store Production with Server Lock Manager.
4. Select [2] <host>Node01 for the node.
5. In the SELECT WEBSPHERE 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 WEBSPHERE DEPLOYMENT MENU, select [D] Deploy ATG Commerce Store Production with Server Lock Manager ATGProduction.ear to WebSphere.



8. In the WEBSPHERE DEPLOYMENT MENU, select [R] Register Datasources on WebSphere.
9. In the WEBSPHERE DEPLOYMENT MENU, select [A] Add database driver to app server classpath.
10. In the WEBSPHERE APP SERVER CLASSPATH menu, select [C] Continue.
11. In the WEBSPHERE DEPLOYMENT MENU, select [O] Configure Another Server Instance.
12. In the DEPLOYMENT SERVER INSTANCE SELECTION menu, select [P] ATGPublishing - ATG Commerce Store Publishing with Lock Server.
13. In the ENTER EAR FILE NAME(S) menu, enter the name ATGPubl i shi ng. ear for the ATG Commerce Store Publishing with Lock Server.
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, ATGPubl i shi ng, for the WebSphere server name.
17. In the WEBSPHERE DEPLOYMENT MENU, select [D] Deploy ATG Commerce Store Publishing with Lock Server 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. Press any key to finish exiting CIM.
25. Continue with the section [Setting DeploymentManager Properties \(WebSphere Only\)](#).

## Setting DeploymentManager Properties (WebSphere Only)

In WebSphere environments, you must modify the DeploymentManager component's properties for the ATGPubl i shi ng server. Without this step, the full deployment you will perform later on will fail.

To modify DeploymentManager properties:

1. In a UNIX shell, change directories to  
<ATG10di r>/home/servers/ATGPubl i shi ng/l ocal confi g/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](#).

## 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.

### JBoss

To start the publishing server:

1. In a UNIX shell or command prompt, navigate to the JBoss `bin` directory, for example, `C:\jboss-eap-5.1\jboss-as\bin` or `/work/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](#).

## 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. Enter your WebLogic username and password.  
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.
9. Click Yes to confirm.

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. Enter your WebLogic username and password.  
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 `ATGProduction.ear`.
8. Click Start and choose Servicing all requests.
9. Click Yes to confirm.

10. Continue with the section [Browsing the Publishing and Production Servers](#).

## WebSphere

To start the publishing and production servers and applications:

1. In the WebSphere Integrated Solutions Console, expand Servers, 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](#).

## 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 ATG 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 (see [ATG Dynamo Server Admin](#) for a list of features).

To access the ATG Business Control Center:

1. In a browser, navigate to:

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

For example, on JBoss:

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

On WebLogic:

```
http://localhost:7005/atg/bcc
```

On WebSphere:

```
http://localhost:9081/atg/bcc
```

2. Enter admin for both the username and password and click Log In.



To access ATG Dynamo Server Admin:

1. In a browser, navigate to:

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

For example, on JBoss:

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

On WebLogic:

```
http://localhost:7005/dyn/admin
```

On WebSphere:

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

2. **(WebLogic only)** WebLogic requires two logins, one to enter the WebLogic server and a second to enter ATG Dynamo Server Admin. For the first login, enter your WebLogic username and password, then click OK.
3. Enter admin for both the username and password and click OK.

## 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 a browser, navigate to:

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

For example, on JBoss:

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

On WebLogic:

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

On WebSphere:

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



2. **(Search Only)** If your environment uses ATG Search, click a category from the menu bar, for example, Gift Shop. Notice that you only have a category list on the left and the site does not show any facets. You will configure facets later.



To access ATG Dynamo Server Admin:

1. In a browser, navigate to:

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

For example, on JBoss:

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

On WebLogic:

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

On WebSphere:

`http://localhost:9082/dyn/admin`

2. **(WebLogic only)** WebLogic requires two logins, one to enter the WebLogic server and a second to enter ATG Dynamo Server Admin. For the first login, enter your WebLogic username and password, then click OK.
3. Enter `admin` for both the username and password and click OK.

## 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 ATG Business Control Center:

1. If necessary, log onto the ATG Business Control Center. For instructions, see [Browsing the Publishing Server](#).
2. Click Content Administration, then click Admin Console.
3. Click Configuration, 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/catalog/ClassificationRepository	/atg/commerce/catalog/ClassificationRepository_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, 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](#).
9. Click the double-right arrow  to include both the /atg/epub/file/WWFFileSystem 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](#) for detailed instructions.
16. If your configuration includes ATG Search, continue with the section [Configuring a Search Project](#).

## 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 JBoss*, *Setting the Transaction Timeout on WebSphere*, or *Setting the Transaction Timeout on WebLogic* in the *ATG Installation and Configuration Guide*.

## Configuring a Search Project

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

To index the CRS Search Project:

1. If you have just finished deploying, click BCC Home in the title bar to return to the main ATG Business Control Center window. Otherwise, log onto the ATG Business Control Center (for instructions, see [Browsing the Publishing Server](#)).
2. Click Search Administration, then click Browse Search Projects.
3. On the Projects tab, expand Projects, then expand CRS Search Project.
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 JBoss:

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



On WebLogic:

http://localhost:7004/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 category list that allow you to further refine the products in the Gift Shop category.







## 5 Uninstalling ATG Commerce Reference Store

The instructions in this section tell you how to remove an existing ATG 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 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 ATGPubli shi ng -b 0.0.0.0
/usr/local/sun/jdk/jdk1.6.0_22/bin/java <JVM settings>

/bin/sh ./run.sh -c ATGPubli shi ng -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](#).

**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 ATGProducti on and ATGPubli shi ng servers on Windows:

1. In the command prompt where you are running the ATGProducti on 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 ATGPubli shi ng 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 ATGProducti on 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 ATGPubli shi ng 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:  
  
`ht tp: //<hostname>: 7001/consol e`
4. Enter your WebLogic username and password.
5. Under Domain Structure, click Deployments for your user domain.
6. Select the ATGPubli shi ng. ear and the ATGProducti on. ear, then click Delete.
7. Under Domain Structure, expand Environment for your user domain, then click Servers.
8. Select the ATGPubli shi ng and the ATGProducti on servers, then click Delete.
9. Under Domain Structure, expand Services for your user domain.
10. Expand JDBC, then click Data Sources.



11. Select the ATGProduct ionDS, ATGPubl i shi ngDS, ATGSwi tchi ngDS\_A, and ATGSwi tchi ngDS\_B datasources, then click Delete.
12. Continue with [Dropping ATG Schemas](#).

## 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, then expand Server Types.
4. Click WebSphere application servers.
5. Select the ATGProduct ion and ATGPubl i shi ng servers and click Stop.
6. Click OK to confirm, then click OK again in the Server Status Feedback page after the servers are stopped.
7. Expand Environment, then click Virtual Hosts.
8. Select the ATGProduct ion\_host and ATGPubl i shi ng\_host and click Delete.
9. Click Save to save your changes to the master configuration.
10. Expand Applications, then expand Application Types.
11. Click WebSphere enterprise applications.
12. Select the ATGProduct ion.ear and ATGPubl i shi ng.ear files and click Uninstall.
13. Click OK to confirm, then click Save to save the change to the master configuration.
14. Return to the WebSphere application servers page.
15. Select the ATGProduct ion and ATGPubl i shi ng servers and click Delete.
16. Click OK to confirm, then click Save to save the changes to the master configuration.
17. Expand Resources, then expand JDBC.
18. Click Data Sources.
19. Select ATGProduct ionDS, ATGPubl i shi ngDS, ATGSwi tchi ngDS\_A, and ATGSwi tchi ngDS\_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](#).

## Dropping ATG Schemas

1. In a UNIX shell or command prompt, run CIM. For detailed instructions, see [Starting CIM](#).
2. In the CIM MAIN MENU, select [1] Database Configuration – Done.
3. In the SELECT A DATASOURCE TO CONFIGURE menu, select [C] Production Core – Done.
4. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [D] Drop Schema.
5. In the DROP SCHEMA menu, select [D] Drop Schema.
6. In the CONFIGURE DATASOURCE PRODUCTION CORE menu, select [O] Configure Another Datasource.
7. In the SELECT A DATASOURCE TO CONFIGURE menu, select [B] Switching B – Done.
8. In the CONFIGURE DATASOURCE SWITCHING B menu, select [D] Drop Schema.
9. In the DROP SCHEMA menu, select [D] Drop Schema.
10. In the CONFIGURE DATASOURCE SWITCHING B menu, select [O] Configure Another Datasource.
11. In the SELECT A DATASOURCE TO CONFIGURE menu, select [S] Switching A – Done.
12. In the CONFIGURE DATASOURCE SWITCHING A menu, select [D] Drop Schema.
13. In the DROP SCHEMA menu, select [D] Drop Schema.
14. In the CONFIGURE DATASOURCE SWITCHING A 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 ATG 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 ATG [version] software last).

To remove ATG software:

1. From the Start menu, click Control Panel.
2. Double-click Programs and Features.
3. Select ATG Commerce Reference Store [version] and click Uninstall/Change.
4. In the installer program, click Uninstall.
5. Click Done.
6. In the control panel, select ATG Search [version] and click Uninstall/Change.
7. In the installer program, click Uninstall.
8. Click “No, I will restart my system myself” and click Done.
9. In the control panel, select ATG [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. **(JBoss Only)** Delete the ATGProduct i on and ATGPubl i shi ng 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 ATGProduct i on and ATGPubl i shi ng directories.
3. **(WebSphere Only)** Delete the ATGProduct i on and ATGPubl i shi ng 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.

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

- 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.

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





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