

**Oracle® Retail Advanced Inventory Planning**  
Patch Installation Guide  
Release 13.0.2

December 2008

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Primary Author: Melody Crowley

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# Preface

Oracle Retail Installation Guides contain the requirements and procedures that are necessary for the retailer to install Oracle Retail products.

## Audience

This Installation Guide is written for the following audiences:

- Database administrators (DBA)
- System analysts and designers
- Integrators and implementation staff

## Related Documents

For more information, see the following documents in the Oracle Retail Advanced Inventory Planning Release 13.0.2 documentation set:

- *Oracle Retail Advanced Inventory Planning Release Notes*
- *Oracle Retail Advanced Inventory Planning Data Management Online - Online Help*
- *Oracle Retail Advanced Inventory Planning Data Management Online User Guide*
- *Oracle Retail Advanced Inventory Planning Order Management Online - Online Help*
- *Oracle Retail Advanced Inventory Planning Data Model Volume 1 Oracle Database Data Model*
- *Oracle Retail Advanced Inventory Planning Data Model Volume 2 Measure Reference Guide*
- *Oracle Retail Advanced Inventory Planning Operations Guide*
- *Oracle Retail Advanced Inventory Planning Implementation Guide*
- *Oracle Retail Advanced Inventory Planning Warehouse Replenishment Planning User Guide*
- *Oracle Retail Advanced Inventory Planning Store Replenishment Planning User Guide*

## Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:  
<https://metalink.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

If you are installing the application for the first time, you install either a base release (for example, 13.0) or a later patch release (for example, 13.0.2). If you are installing a software version other than the base release, be sure to read the documentation for each patch release (since the base release) before you begin installation. Patch documentation can contain critical information related to the base release and code changes that have been made since the base release.

## Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site (with the exception of the Data Model which is only available with the release packaged code):

[http://www.oracle.com/technology/documentation/oracle\\_retail.html](http://www.oracle.com/technology/documentation/oracle_retail.html)

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

## Conventions

**Navigate:** This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

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**Note:** This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

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This is a code sample  
It is used to display examples of code

A hyperlink appears like this.

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# AIP Installation Overview

This document describes how to upgrade an AIP 13.0.2 installation to AIP 13.0.2 for AIX operating system environments.

## AIP Package Extraction

Download the 13.0.2 package (i.e. AIP-13.0.2.zip) from Oracle Metalink Web site (<https://metalink.oracle.com>) to a staging folder (e.g. \$PACKAGEDIR) that is accessible to all components of your AIP 13.0.2 installation. The following sample commands are provided to guide you through the file extraction process and identify the files provided in this patch.

### Example of Package Extraction:

```
$ mkdir packagedir
$ cp AIP-13.0.2.zip packagedir
$ cd packagedir
$ export PACKAGEDIR=`pwd`
$ unzip AIP-13.0.2.zip
$ tar xf AIP-13.0.2.tar
```

Under the \$PACKAGEDIR, the following files and directories have been extracted.

```
aip/13.0.2/diff.txt
aip/13.0.2/Retek.pm
aip/13.0.2/rsp_manager
aip/13.0.2/aip_env_rpas.sh
aip/13.0.2/domainlist.txt
aip/13.0.2/verify_domain.sh
aip/13.0.2/aix/Version
aip/13.0.2/aix/domain/
aip/13.0.2/aix/domain-scripts/
aip/13.0.2/aix/domain-scripts/postproc.003
aip/13.0.2/aix/env/
aip/13.0.2/aix/env/AIP_INSTALL/
aip/13.0.2/aix/env/AIP_INSTALL/aip_13.0.2_measure_backup_list
aip/13.0.2/aix/env/AIP_INSTALL/configuration.tar
aip/13.0.2/aix/env/AIP_INSTALL/input.tar
aip/13.0.2/aix/env/AIP_INSTALL/domain_build.tar
aip/13.0.2/aix/notice
aip/13.0.2/aix/rpas/
aip/13.0.2/aix/rpas/bin/
aip/13.0.2/aix/rpas/applib/

aip/13.0.2/aix/online/
aip/13.0.2/aix/online/AIP-online-rib11-appserver-installer.zip
aip/13.0.2/aix/online/AIP-online-rib13-appserver-installer.zip
aip/13.0.2/aix/online/13.0.2.zip
```

The diagram uses two large curly braces on the right side of the file list to group the files into two categories:

- The top brace groups the following files and directories under the label "AIP Batch Installation Files":
  - aip/13.0.2/diff.txt
  - aip/13.0.2/Retek.pm
  - aip/13.0.2/rsp\_manager
  - aip/13.0.2/aip\_env\_rpas.sh
  - aip/13.0.2/domainlist.txt
  - aip/13.0.2/verify\_domain.sh
  - aip/13.0.2/aix/Version
  - aip/13.0.2/aix/domain/
  - aip/13.0.2/aix/domain-scripts/
  - aip/13.0.2/aix/domain-scripts/postproc.003
  - aip/13.0.2/aix/env/
  - aip/13.0.2/aix/env/AIP\_INSTALL/
  - aip/13.0.2/aix/env/AIP\_INSTALL/aip\_13.0.2\_measure\_backup\_list
  - aip/13.0.2/aix/env/AIP\_INSTALL/configuration.tar
  - aip/13.0.2/aix/env/AIP\_INSTALL/input.tar
  - aip/13.0.2/aix/env/AIP\_INSTALL/domain\_build.tar
- The bottom brace groups the following files and directories under the label "AIP Online Installation Files":
  - aip/13.0.2/aix/online/
  - aip/13.0.2/aix/online/AIP-online-rib11-appserver-installer.zip
  - aip/13.0.2/aix/online/AIP-online-rib13-appserver-installer.zip
  - aip/13.0.2/aix/online/13.0.2.zip



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# Compatibility and Hardware Requirements

## Supported Oracle Retail Products

This version of AIP is compatible with the following Oracle Retail products:

- Oracle Retail Merchandising System (RMS) 10.1.x and 11.0.x– Requires RIB 11.1. See RIB 11.1 requirements below for more information.
- Oracle Retail Merchandising System (RMS) 13.0.2 – Requires RIB 13.0.2. See RIB 13.0.2 requirements below for more information.
- Oracle Retail Demand Forecasting (RDF) 13.0.2
- Oracle Retail Predictive Application Server (RPAS) 13.0.2.1
- Oracle Retail Integration Bus (RIB) 11.1
  - Can only be used in conjunction with WebSphere Application Server 5.1.1.12
  - Can only be used in conjunction with AIX 5.3.
  - Can only be used in conjunction with SeeBeyond eGate 5.0.5
  - Can only be used in conjunction with Java 1.4 server JRE
- Oracle Retail Integration Bus (RIB) 13.0.2
  - Can only be used in conjunction with Oracle Application Server 10.1.3.3
  - Can only be used in conjunction with Java 1.5 server JRE.
- Oracle Retail Extract Transform and Load (RETL) 11.3 or higher

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**Note:** Clients using AIX 5.3 in conjunction with an IBM version 1.5 SR7 server-side JRE must use RETL 13.0.2. See the Server JRE section below for additional details on the IBM 1.5 SR7 server JRE requirement.

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## Server Operating Systems

This version of AIP is compatible with the following server operating systems:

- AIX 5.3

## Server JRE

General requirements for the server Java Run Time Environment (JRE) are dependent upon the RIB version used and are as follows:

- JRE 1.4. – Required for RIB 11.1 implementations. RIB 11.1 must be used when integrating with RMS 10.1.x or 11.0.x.
- JRE 1.5 – Required for RIB 13.0.2 implementations. RIB 13.0.2 must be used when integrating with RMS 13.0.2.

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**Note:** Clients using AIX 5.3 in conjunction with RIB 13.0.2 must use the IBM JRE version 1.5 SR7. Clients using AIX 5.3 but not using the RIB should also use the IBM JRE version 1.5 SR7.

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## Database

This version of AIP is compatible with the following database:

- Oracle 10g Enterprise Edition Release 2 (version 10.2.0.3.0)

## Application Server

General requirements for an application server capable of running the AIP Online application include:

- IBM WebSphere Application Server (version 5.1.1.12) – Required when using RIB 11.1.
- Oracle Application Server (version 10.1.3.3) – Required for clients using RIB 13.0.2 or clients not using the RIB.

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**Note:** AIP Online can be used with either WebSphere Application Server or Oracle Application Server. It does **not** require both application servers.

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## Client PC and Web Browser Requirements

### Client PC Requirements

The client PC requirements are as follows:

- Windows XP operating system
- 1024x768 or higher display resolution
- 1GHz or higher processor
- 256 MB or higher memory
- Intranet network connectivity with at least 10Mbps data rate

### Client Browser Requirements

The client browser requirements are as follows:

- Microsoft Internet Explorer 5.5 or higher

General requirements for the client Java Run Time Environment (JRE) are as follows:

- JRE 1.5.0\_12

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## AIP Batch Installation

### AIP Batch Upgrade Prerequisites

In order to upgrade the AIP 13.0.1.1 batch components to AIP 13.0.2, first verify the following criteria for the AIP 13.0.1.1 batch system:

- Verify that AIP 13.0.1.1 is currently installed.
  - Check that the \$AIP\_INSTALL environment variable is set and points to a valid AIP install directory.
- Verify that UNIX operating system is AIX 5.3.
- Upgrade RPAS from RPAS 13.0.1.11 to RPAS 13.0.2.1 Refer to the *RPAS Installation Guide* for information.
  - Change directories to RPAS home and execute rpasslogin.ksh to set \$RPAS\_HOME variable.
 

```
$ cd <RPAS home>
$ . ./ rpasslogin.ksh
```
  - Check that the \$RIDE\_HOME environment variable is set correctly.
  - Check that \$PATH includes \$RIDE\_HOME/bin and \$RIDE\_HOME/lib
 

```
$ export PATH=$RIDE_HOME/bin:$RIDE_HOME/lib:$PATH
```

---



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**Note:** Ensure that \$RPAS\_HOME and \$RIDE\_HOME have read/write execute permission by running “`chmod -R 775 $RIDE_HOME`”

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- Verify your JAVA home is set properly, and that the \$PATH includes \$JAVA\_HOME/bin and \$JAVA\_HOME/jre/bin/client
 

```
$ export JAVA_HOME=<Java home location>
$ export PATH=$JAVA_HOME/bin:$JAVA_HOME/jre/bin/client:$PATH
```
- For AIX 5.3 installations only – set your LIBPATH variable
 

```
$ export LIBPATH=$JAVA_HOME/jre/bin:$JAVA_HOME/jre/bin/classic:$LIBPATH
```
- Verify the AIP 13.0.2 package.
  - Check that \$PACKAGEDIR is accessible.
  - Ensure that \$PACKAGEDIR/aip/13.0.2/domainlist.txt lists the full path of the master domain but does not list sub/local domains.
- Verify domain.

Perform the following:

```
$ domaininfo -d $(cat $PACKAGEDIR/aip/13.0.2/domainlist.txt) -apptag
```

The result should reveal the following as the current version:

```
AIP: 13.0.1.1
```

- Backup environment.  
Perform a backup of the current domain and RPAS environment before attempting to install the patch. If any problems arise during the patch install, restore your backup data, fix the issue, and re-install the patch.

## AIP Batch Executables and Definitions Upgrade

This section provides the procedure to upgrade the AIP batch executables and definitions from AIP 13.0.1.1 to AIP 13.0.2.

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**Note:** This section does not patch the AIP RPAS domain since the `-no_domain` flag is used in `rsp_manager` call described in this section.

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1. Clients who are patching AIP 13.0.2 must first back up their `$RPAS_HOME/bin/aip_env_rpas.sh` script.  
This script contains variables which can be customized by the client. When the AIP RPAS Executables and Definitions are upgraded, a new `aip_env_rpas.sh` will be copied into the `$RPAS_HOME/bin` directory, overwriting the previous copy. Once the new RPAS executable programs are installed into the `$RPAS_HOME/bin` directory, clients should copy back into `$RPAS_HOME/bin/aip_env_rpas.sh` their specific values for any of the environment variables they had previously changed from the default values.
2. To upgrade the batch executables and definitions from AIP 13.0.1.1 to AIP 13.0.2, run the following command from `$PACKAGEDIR/aip/13.0.2/`:  

```
$ ./rsp_manager -install -sp <sp path> -no_domain -log aip1302part1.log
```

By running the command above, the following tasks are performed:

  - Copies AIP 13.0.2 executables (programs, shared libraries, and resource XML files) from `$PACKAGEDIR/aip/13.0.2/aix/rpas` to `$RPAS_HOME`.
  - Copies AIP 13.0.2 configuration definitions from `$PACKAGEDIR/aip/13.0.2/aix/env/AIP_INSTALL` to `$AIP_INSTALL`
  - Compares the integrity of files in `RPAS_HOME` and `RIDE_HOME`, due to implicit default `-validate` flag in the AIP Batch Executables and Definitions Upgrade Process.
  - Generates a log file `<logfile>` that can be grepped for error keywords such as "error", "exception", and "<E" (due to the use of `-log <logfile>` in the AIP Batch Executables and Definitions Upgrade Process).

## AIP Batch Definitions Customizations Upgrade

To merge your AIP 13.0.1.1 batch definitions customizations into the AIP 13.0.2 batch configuration, perform the following procedure.

1. To extract the AIP 13.0.2 batch definitions configuration, execute the following command from \$AIP\_INSTALL:
 

```
$ tar -xf configuration.tar
```
2. Refer to the RPAS Configuration Tools User Guide to perform the following batch definitions customizations as needed on \$AIP\_INSTALL/configuration:
  - Add new measures
  - Add new rule groups
  - Add new workbooks
  - Change the hierarchy

---

**Note:** Do NOT modify any existing measures, rules groups, or attempt any other customization without consulting with an Oracle Retail Support Representative.

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## AIP Batch Domain Upgrade

Perform the following procedure to upgrade your AIP 13.0.1.1 domains to AIP 13.0.2.

1. Run the following command to check your AIP domain list. This text file should contain your master domain, but no sub/local domains.
 

```
$ more $PACKAGEDIR/aip/13.0.2/domainlist.txt
```
2. Run `rsp_manager` as shown below to upgrade the domains using the combined 13.0.2 configuration and customized 13.0.1 configuration.
 

```
$ ./rsp_manager -install -sp <sp path> -no_rpas -no_env -domain domainlist.txt -log aip1302part2.log
```

---

**Note:** The initial interface directory is backed up automatically as `interface_13.0.1` under the domain folder.

---

3. Perform the following to verify the patch level of the RPAS domain:
 

```
$ domaininfo -d $(cat $PACKAGEDIR/aip/13.0.2/domainlist.txt) -apptag
```

 The result should display the following as the current version:  
 AIP: 13.0.2

## AIP Batch Manual Upgrades

This section is reserved for any patch-specific instructions that must be executed manually which the shell-script driven patching above is not able to automatically perform.

1. There are two new implementation parameters introduced with AIP 13.0.2. The possible values and descriptions of these values are listed in the table below. These must be set to the correct values corresponding to the client's business requirements.

Implementation Parameter	Measure Name	Values
Automatic Warehouse Profile Creation	dmx_autwhprfcr	<b>FALSE</b> (default) = do not allow creation of a warehouse profile for each new supplier <b>TRUE</b> = allow creation of a warehouse profile for each new supplier
Automatic Warehouse Profile Assignment	dmx_autwhprfas	<b>0</b> (default) = Assign to wh profile based on the class of the SKU <b>1</b> = Assign to wh profile based on the supplier of the SKU (previous default behavior) <b>2</b> = Disable automatic assignment to profiles

**Note:** Prior to the AIP 13.0.2 patch, by default, the AIP RPAS batch calculations automatically created a warehouse profile for each new supplier in the daily RMS / Merchandising System supplier hierarchy export. Using the language of the new code, the values would have been "TRUE" and "1". The new default disallows the creation of a warehouse profile for each new supplier, or "FALSE" and "0".

- a. These two measures will be initialized based on values defined in `$RPAS_HOME/bin/aip_env_rpas.sh`, during the "set\_implementation\_parms" step of AIP RPAS batch. Specifically, the `$RPAS_HOME/bin/set_implementation_parms_dm.sh` script will run mace expressions to set these measures. Therefore, you should edit the new `$RPAS_HOME/bin/aip_env_rpas.sh` and assign the appropriate values for these measures according to the business requirements of the client. The lines that should possibly be edited are shown below.
 

```
AUTOMATIC_WAREHOUSE_PROFILE_CREATION=FALSE
AUTOMATIC_WAREHOUSE_PROFILE_ASSIGNMENT=0 # 0 Class, 1 Supplier, 2 Disable
```

 The First Day of AIP processes will set these two measures to the chosen values during the "set\_implementation\_parms" step of `aip_batch.sh`. Successive logic depending on these two values will therefore execute as expected.

- b.** For a live AIP system that has already run the “First Day of AIP,” these two new measures will have only their default (NA) values. There is no requirement to run the “set\_implementation\_parms” step of AIP RPAS batch on a daily batch run (when running `aip_batch.sh` without the `-f` flag). Therefore, the following procedure must be followed to initialize values for these measures if the business requirements differ from the default settings.

Ensure `$AIPDOMAIN` is set to the path of the master domain of the AIP RPAS domain. Then, execute the following commands using the values required by the business needs of the client. The example commands below use the default values. Substitute the correct values for the business requirements in the commands below.

```
$ xmace -d "$AIPDOMAIN" -run -expression "dmx_autwhprfcrt = FALSE"
$ xmace -d "$AIPDOMAIN" -run -expression "dmx_autwhprfasn = 0"
```



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## Installing AIPOnlineApp on WAS 5.1.1.12

AIP 13.0.2 is packaged as an EAR file, AIPOnlineAppRIB11.ear. Install the AIPOnlineAppRIB11.ear file on the J2EE application server according to the vendor's documentation.

This chapter contains the typical steps for deploying an EAR file in WebSphere Application Server (WAS) version 5.1.1.12, assuming that WAS 5.1.1.12 is currently installed.

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**Note:** The following patch **MUST** be applied to the WebSphere Application Server 5.1.1.12 for the AIP Online application to work properly:

**Patch:** PQ93388

**URL:** <http://www-1.ibm.com/support/docview.wss?rs=0&uid=swg24007848>

**Note:** In the event that a previous version of the AIP Online application is already installed on the WAS, AIP Online will need to be stopped and uninstalled before you install version 13.0.2 of the AIP Online application. The existing data source and J2C Authentication Data Entry in the WAS can be re-used for the AIP 13.0.2 Online application installation (assuming these values remain unchanged for the AIP 13.0.2 schema). Any customizations made to previously installed version(s) of AIP Online application will need to be manually replicated in AIP 13.0.2 online application.

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### AIP Online Upgrade Prerequisites

In order to upgrade the AIP 13.0.1 online components to AIP 13.0.2, first verify the following criteria for the AIP 13.0.1 online system:

- Verify the AIP Online components.
  - UNIX operating system should be running AIX 5.3.  
WAS deployment is certified **only** on AIX 5.3.
  - Check that the \$PACKAGEDIR environment variable is set as described earlier. If the Online database is installed on a different server from the RPAS domains, then copy the patch to the new server and uncompress it as before.
- Verify the AIP Online Integration.
  - UNIX CRON schedules are defined.
  - RETL 11.3 or higher is installed.
  - Check that the \$INTEGRATION\_HOME environment variable is set to point to the directory where the online integration environment is installed. Note that this is different from the INTEGRATION\_HOME that was used during the RPAS domains install.

- Check that the \$INTEGRATION\_HOME/config.xml database parameters are set with the correct schema\_owner/password@database.
- Define \$TMP\_ONLINE\_DIR.  
\$ mkdir \$PACKAGEDIR/online.backup  
\$ export TMP\_ONLINE\_DIR=\$PACKAGEDIR/online.backup  
Backup the contents of \$INTEGRATION\_HOME to \$TMP\_ONLINE\_DIR.
- Verify the AIP Online schema (schema\_owner/password@database) is AIP 13.0.1.1. To verify the schema version and patches already applied, perform the following:  
sqlplus schema\_owner/password@database  
SQL> select value from system\_parameters where name='AIP\_VERSION';
- Verify AIP Online Application.
  - Configured as documented in the *AIP Installation Guide*.

## Required WebSphere Application Server (WAS) Configurations

The AIP WAS installation configurations below have been tested. You are required to use one of these configurations when deploying the AIP Online application. Alternate configurations are not supported.

1. AIPOnlineApp and RIBforAIP are installed on separate WAS instances on separate physical servers.
2. AIPOnlineApp and RIBforAIP installed on separate WAS servers within a single WAS instance.

RIBforAIP installation/configuration is required to integrate RMS 11.0.x or 10.1.x with AIP 13.0.2. For RIBforAIP installation and configuration instructions, refer to Chapter 6 in the *Retail Integration Bus 11.1 Installation Guide* (rib-111-ig).

## WebSphere Application Server Requirements

Before preceding you must install WebSphere Application Server (WAS) 5.1.1.12, plus patch PQ93388 mentioned at the beginning of this chapter. AIP Online will be deployed to a server instance within the WAS framework. It is assumed Oracle RDBMS has already been configured and loaded with the appropriate AIP Online schema for your installation.

The Oracle 10.2.0.3.0 classes12.jar driver file is required for AIP 13.0.2. This file can be obtained from the Oracle Technology Network Web site, and must be copied to a staging directory on the Web server where WAS 5.1.1.12 is installed. The classes12.jar driver file may also be copied from the Oracle RDBMS 10g Release 2 Enterprise Edition location (\$ORACLE\_HOME/jdbc/lib) on the database server.

---

**Note:** The JVM bundled with WebSphere 5.1.1.12 is supported for the AIP Online application.

---

## Configuring WAS 5.1.1.12 for AIP Online Application

**Note:** The following WAS configuration steps are not necessary if the AIP application has already been installed and the AIP Oracle schema has not changed. If this is the case, proceed to Installing AIP Online this chapter.

1. Open the WAS Administrative Console that is to be used for administering the AIP 13.0.2 online application – `http://<server>:<port>/admin`. Replace the text in brackets with the correct information stated below.

Replace	With
<server>	The name or IP address of the server where WAS 5.1.1.12 is running
<port>	WAS Administration Console Port

**Example:** `http://server:9090/admin`

If the administrative console URL is unknown, consult the WAS 5.1.1.12 documentation for the correct URL.

2. Select **Security – JAAS Configuration – J2C Authentication Data**.
3. Under J2C Authentication Data Entries, click **New** and enter the following information in the fields provided:
  - a. In the **Alias** field, enter the alias for the Authentication Data Entry.
  - b. In the **UsedID** field, enter the AIP database schema owner.
  - c. In the **Password** field, enter the AIP database schema password.
  - d. Click **Apply**.
  - e. Click **OK**.

**Example:**

Alias:           AIPOnlineDBUser  
User ID:       aip130  
Password:      MyPassword

4. Save your configuration settings.
  - a. Select the **Save** link in the **Message(s)** section.
  - b. Click **Save** in the **Save to Master Configuration** section.
5. Select **Resources – JDBC Providers**.
6. Under JDBC Providers, select the **Server** option and then click **Apply**.
7. Create a new JDBC Provider.
  - a. Click **New** to create a new JDBC provider.
  - b. Select **Oracle JDBC Driver (XA)** from the JDBC Providers list.
  - c. Click **Apply**.
8. In the **General Properties** section, set the **Classpath** field to the location of the Oracle driver archive file, `classes12.jar`, and click **Apply**. Make sure to include the file name and extension in the **Classpath** field.
 

**Example:** `/u00/webbsp/jdbc/classes12.jar`
9. Under **Additional Properties**, select **Data Sources** and then click **New**.

10. Enter the following information in the Configuration – General Properties fields:
  - a. Enter AIPOnlineDB in the Name field. This value is case sensitive and must be entered as shown.
  - b. Enter jdbc/AIPOnlineDB in the JNDI Name. This value is case sensitive and must be entered as shown.
  - c. Select the **Container managed persistence (CMP)** option.
  - d. From the Component-managed Authentication Alias option, select the J2C Authentication Alias that was created in step 5 above.
  - e. From the Container-managed Authentication Alias option, select the J2C Authentication Alias that was created in step 5 above.
  - f. Leave all other field as the defaults displayed.
  - g. Click **Apply**.

**Example:**

Name: AIPOnlineDB  
 JNDI Name: jdbc/AIPOnlineDB  
 Component-managed Authentication Alias: AIPOnlineDBUser  
 Container-managed Authentication Alias: AIPOnlineDBUser

11. Under **Additional Properties**, select **Custom Properties** and perform the following:
  - a. Remove all properties **except** for URL and transactionBranchesLooselyCoupled by selecting the options all other properties and then clicking **Delete**.
  - b. Select **URL** and enter the following information in the Value field:  
 Value: jdbc:oracle:thin:@<DB Server IP address>:<DB Listener Port>:<Database\_name>  
**Example:** jdbc:oracle:thin:@dbserver:1521:prod\_db1
  - c. Click **Apply**, and then click **OK**.
  - d. Select **transactionBranchesLooselyCoupled** option and set the Value field to true.
  - e. Click **Apply**, and then click **OK**.
12. Save your configuration settings.
  - a. Select the **Save** link in the **Message(s)** section.
  - b. Click **Save** in the **Save to Master Configuration** section.
13. Verify the configuration by using the “Test Connection” option in the Data Sources configuration section (Resources – JDBC Providers – Oracle JDBC Driver (XA) – Data Sources – Data Source Name – Test Connection button). A successful message in the Message(s) section should appear. In the event of an unsuccessful connection test, review all previous steps to ensure that the configuration settings were defined correctly.

## Preparing Your Server for Installation

Before you run the AIP Application Server Installer, make sure you have performed the following:

- Log in to the UNIX server as the user who owns the WAS installation. Create a new staging directory for the AIP Online application distribution (AIP-online-rib11-appserver-installer.zip).  
**Example:** /u00/webasp/aiponline/aiponline\_staging  
This location will be referred to as <INSTALL\_DIR> for the remainder of this chapter.
- Make sure there is a minimum of 500 MB disk space available for the application installation files.
- Copy \$PACKAGEDIR/aip/13.0.1.1/<sp path>/online/AIP-online-rib11-appserver-installer.zip to <INSTALL\_DIR> and extract its contents.
- If you are going to run the Installer in GUI mode using an X server, which is the recommended installation method, you need to have the XTEST extension enabled. This setting is not always enabled by default in your X server. Verify the extension is enabled.
- Set the WAS\_HOME and JAVA\_HOME environment variables. WAS\_HOME should point to your WAS installation. JAVA\_HOME should point to \$WAS\_HOME/java.

## Installing AIP Online

Once you have a WAS server instance started, you can run the AIP Online Installer. This installer configures and deploys the AIP Online application and AIP Online Integration files.

Perform the procedure below to use the AIP Online Installer. Depending on system resources, a typical installation can take up to 30 minutes.

1. Extract AIP-online-rib11-appserver-installer.zip to <INSTALL\_DIR> directory.
2. Change directories (cd) to the <INSTALL\_DIR>/AIPOnlineAppServer130 directory.
3. Run the install.sh script, as shown below, to start the Installer.

```
./install.sh
```

---

**Note:** The command must be executed with the preceding period and forward slash (. /).

---

When the installation is complete, a detailed installation log file is created. This file is named aip130install-app.<timestamp>.log where <timestamp> represents the date and time the installation was performed. This file is located in the <INSTALL\_DIR>/AIPOnlineAppServer130 directory.

If this process is being run on an X-Windows emulator (such as Exceed), a graphical user interface (GUI) to the Installer appears. If you are running in console mode through a terminal emulator, the text interface to the Installer appears.

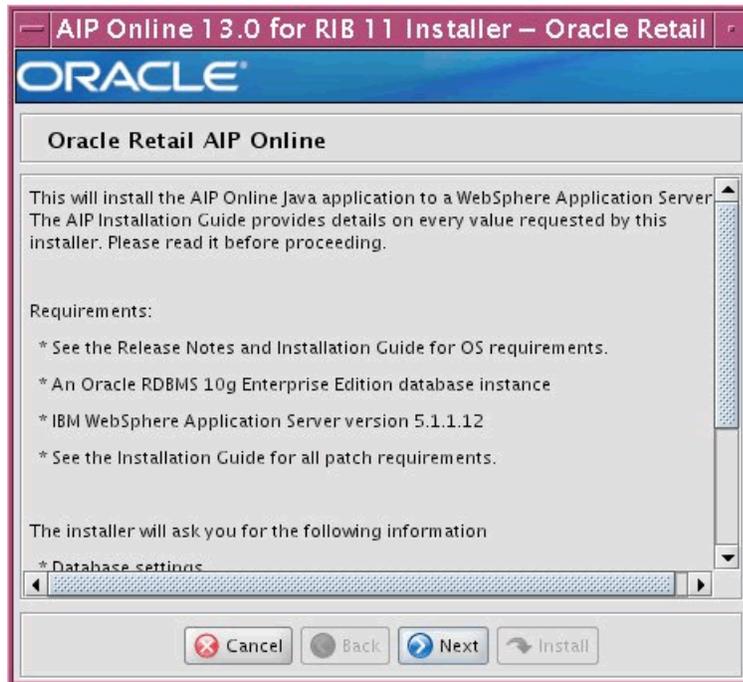
To run the Installer in the GUI mode, which is the recommended installation method, adjust the DISPLAY environment variable.

In both cases, the requested information is identical. In the GUI, you may be shown a checkbox to signal whether you want a component installed; in text mode, you will be prompted for a response of "true" or "false".

**Note:** In text mode, the default value will appear in square brackets []. To use the default value and continue, simply hit the Enter key. If you wish to use a different value, enter the new value. When prompted to create a directory, respond with "y" or "yes" and press the Enter key.

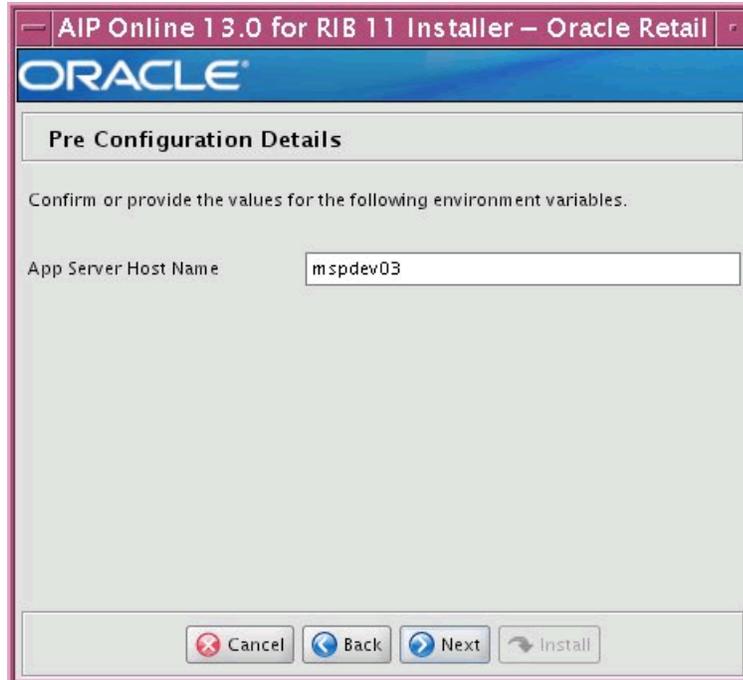
Password fields will appear masked, but the previous and default values will appear in plain text when running in the text mode.

The AIP Online Installer screen appears and displays the components that will be installed during installation process, as well as the required components.



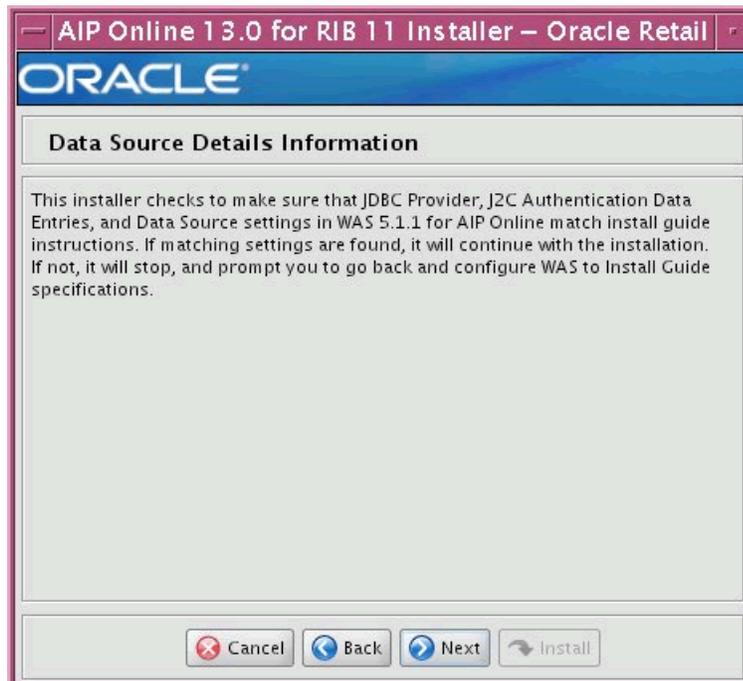
**AIP Online Installer Screen**

4. Click **Next** to continue. The Pre Configuration Details screen appears.



#### Pre Configuration Details Screen

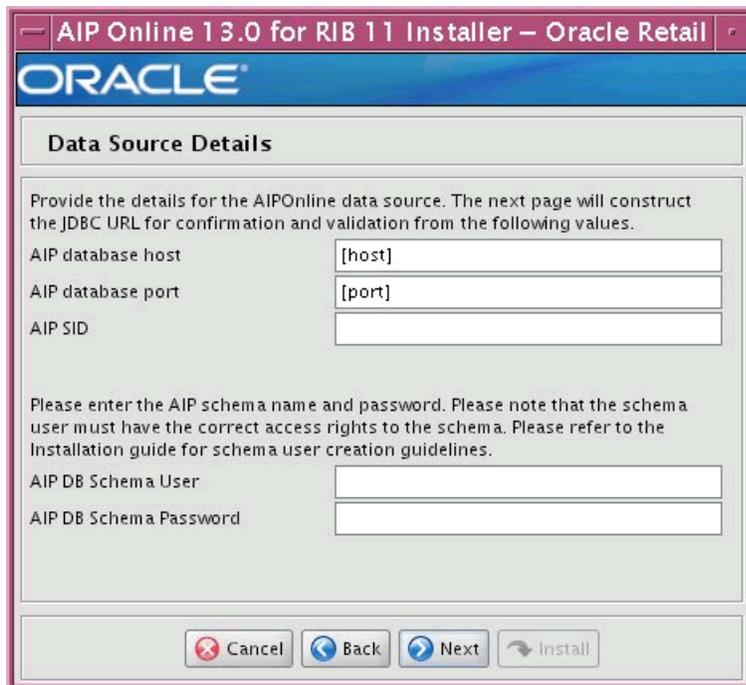
5. Enter the application server name where AIP Online is being deployed and click **Next**. The Data Source Details screen appears.



#### Data Source Details Information Screen

6. Click **Next** to verify that your WebSphere Application Server has the proper settings to install the AIP Online components. If the proper settings are defined, the Data Source Details screen appears.

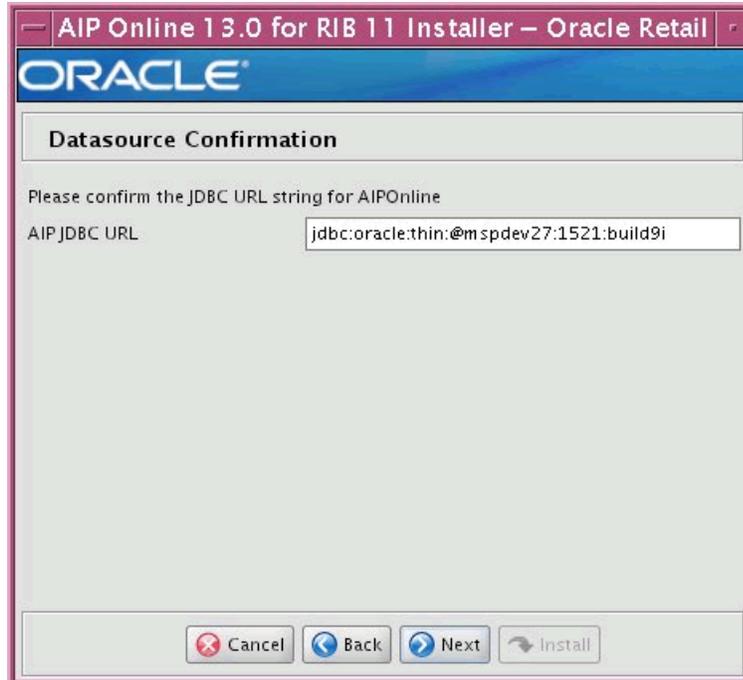
**Note:** If the AIP Online Installer discovers any issues, a message box appears with the issues encountered. Make the necessary changes to your WAS environment and run the AIP Online Installer again.



The screenshot shows the 'Data Source Details' screen of the 'AIP Online 13.0 for RIB 11 Installer - Oracle Retail'. The window title is 'AIP Online 13.0 for RIB 11 Installer - Oracle Retail'. The Oracle logo is at the top. The main heading is 'Data Source Details'. Below it, a paragraph reads: 'Provide the details for the AIPOnline data source. The next page will construct the JDBC URL for confirmation and validation from the following values.' There are four input fields: 'AIP database host' with placeholder '[host]', 'AIP database port' with placeholder '[port]', 'AIP SID', 'AIP DB Schema User', and 'AIP DB Schema Password'. A note below the fields says: 'Please enter the AIP schema name and password. Please note that the schema user must have the correct access rights to the schema. Please refer to the Installation guide for schema user creation guidelines.' At the bottom, there are four buttons: 'Cancel', 'Back', 'Next', and 'Install'.

#### Data Source Details Screen

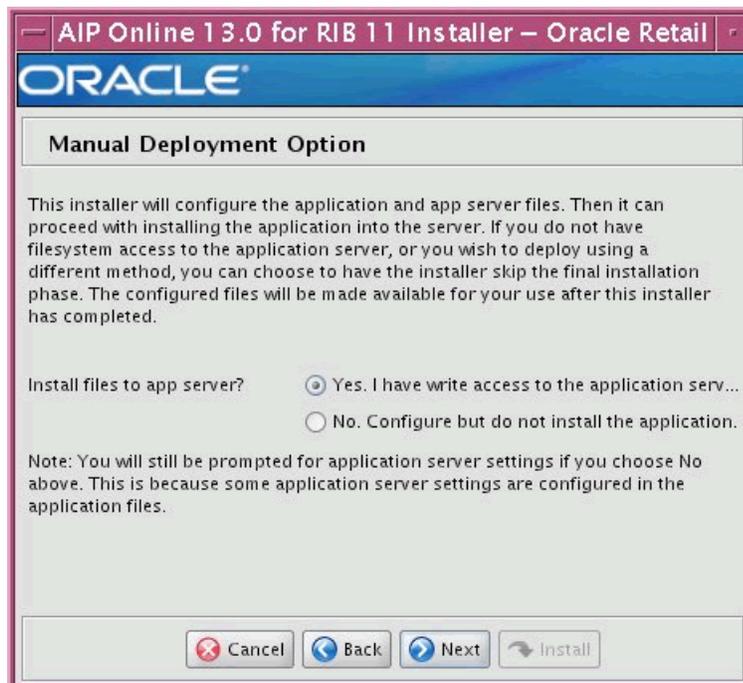
7. Enter the following information and click **Next**:
  - **AIP database host** – Enter the AIP database host name.
  - **AIP database port** – Enter the port number on which the database listens.
  - **AIP SID** – Enter the AIP Online database SID.
  - **AIP DB Schema User** – Enter the AIP database schema user name.
  - **AIP DB Schema Password** – Enter the AIP database schema password.The Data Source Confirmation screen appears.



#### Data Source Confirmation Screen

The AIP JDBC URL string that appears is defined by the information you have entered. This URL is used by the AIP Online application to access the AIP database schema.

8. Verify the AIP JDBC URL string is correct and click **Next**. The Manual Deployment Options screen appears.



#### Manual Deployment Option Screen

9. Select the appropriate option and click **Next**.

If you have write access to the application server, select **Yes**. The Installer will install the necessary files to the AIPONLINE\_DIR folder.

If you are running the AIP Online Installer as user who does not have write permissions to the filesystem under the AIPONLINE\_DIR, select **No**. The Installer will perform all the necessary configuration changes within the staging directory, but it will not install any files to the AIPONLINE\_DIR. If you select **No**, you will need to manually complete the installation process. Even if you select **No**, you will still need to complete the subsequent Installer screens.

The AIP Online Installation Directory screen appears.



#### AIP Online Installation Directory Screen

10. Enter the directory where AIP Online will be installed and click **Next**. The WebSphere Configuration screen appears.

**AIP Online 13.0 for RIB 11 Installer – Oracle Retail**

**ORACLE**

**WebSphere Configuration**

Please provide the following information regarding your WAS 5.1.1 environment

Please enter the WAS Home directory.

WAS Home directory	\\S1\WebSphere\AppServer	Select Folder
WAS Bootstrap Port	2809	
WAS SOAP Port	8880	
AIP HTTP Port		
WAS Cell	[cell]	
WAS Node	[node]	
WAS Server	server1	
WAS Application Name	AIPOnlineApp	

Cancel Back Next Install

#### Example of WebSphere Configuration Screen Settings

11. Enter the following information and click **Next**:

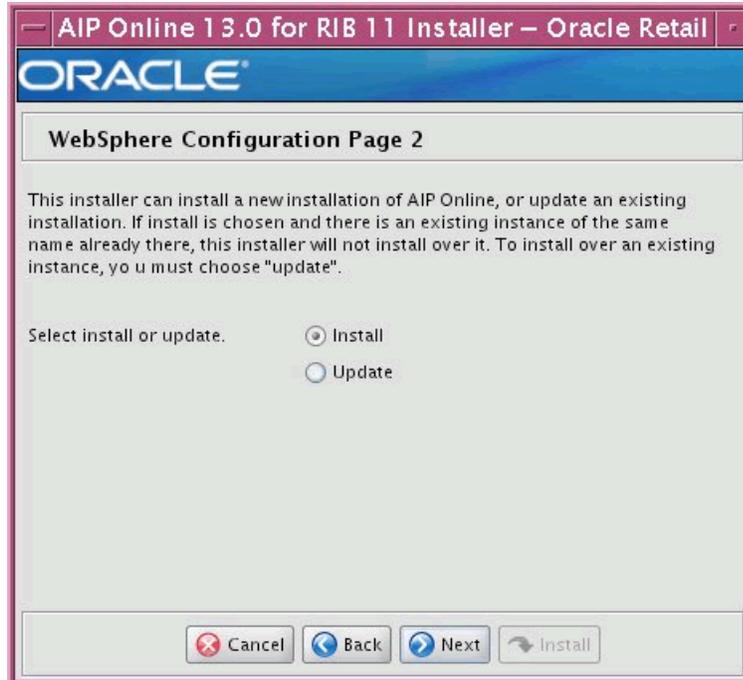
- **WAS Home Directory** – Enter the directory where WAS is installed.
- **WAS Bootstrap Port** – Enter the WAS bootstrap port number.
- **WAS SOAP Port** – Enter the WAS SOAP port number.
- **AIP HTTP Port** – Enter the HTTP port used in the AIP Online URL.  
**Example:** `http://www.mydomain.com:8080/aiponline/`
- **WAS Cell** – Enter the WAS cell.
- **WAS Node** – Enter the WAS node.
- **WAS Server** – Enter the WebSphere Application Server name.
- **WAS Application Name** – Enter **AIPOnlineApp** as the WAS application name.
- **Oracle JAR Path** – Enter the directory location where AIP will be installed, which is referred to as <INSTALL\_DIR> in this chapter. This is the location where you previously copied the JAR file. Please refer to RIBforAIP installation/configuration is required to integrate RMS 11.0.x or 10.1.x with AIP 13.0.2. For RIBforAIP installation and configuration instructions, refer to Chapter 6 in the *Retail Integration Bus 11.1 Installation Guide (rib-111-ig)*.
- WebSphere Application Server Requirements for information on where to obtain the classes12.jar or ojdbc14.jar file.

---

**Note:** Please refer to the WebSphere Administration Console and IBM WebSphere documentation for information on WAS specific information, such as WAS bootstrap, WAS cell, WAS node, etc.

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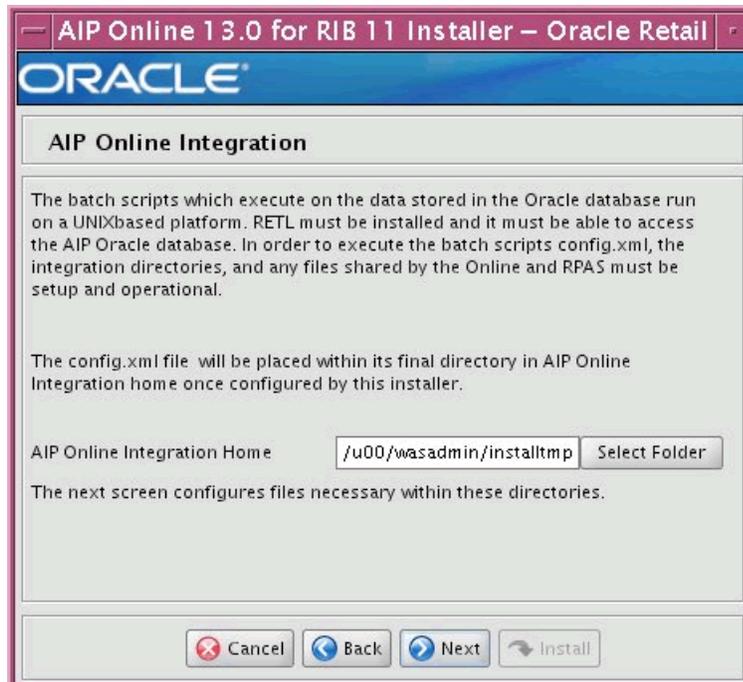
The WebSphere Confirmation Page appears.



**WebSphere Configuration Page 2 Screen**

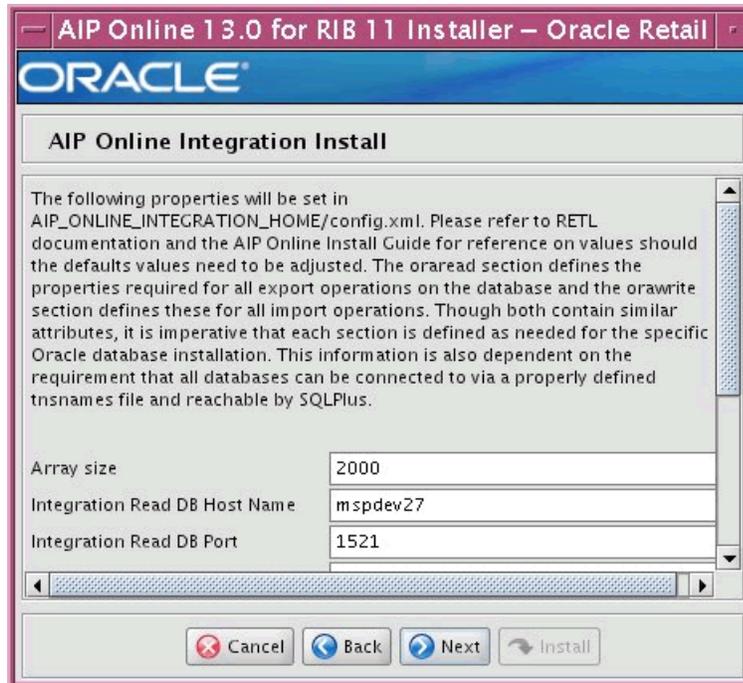
12. Select the appropriate installation option and click **Next**.

Select **Install** if you want to install a new instance of AIP Online. Select **Update** to update or install over an existing installation of AIP Online. The AIP Online Integration screen appears.



**AIP Online Integration Screen**

13. Enter the directory where AIP Online Integration components will be installed and click **Next**. The AIP online Integration Home field defaults to AIPONLINE\_DIR. You may choose to install the integration components to another location on the same server at this point, or you may choose to move the installed files once the installation process is complete. The AIP Online Integration Install screen appears.



**AIP Integration Install Screen**

---

**Note:** If there is an existing directory in the location specified, the installer will make a backup of the existing directory, appending the current timestamp to the name of the directory. This backup is non-essential to functionality, and may be moved to another location for archival or space management purposes.

---

The RETL interface process, which runs from a UNIX-based platform, is designed to be fully automated once configured. In addition to the environment variables display on the screen, config.xml is required when invoking the RETL scripts. This file should be located in the root integration directory on the UNIX server where the AIP Online application is installed.

This configuration file (config.xml) contains the database connection information required by RETL when performing import and export operations. Refer to the RETL documentation for detailed descriptions of element definitions.

There are two operator sections that need to be completed:

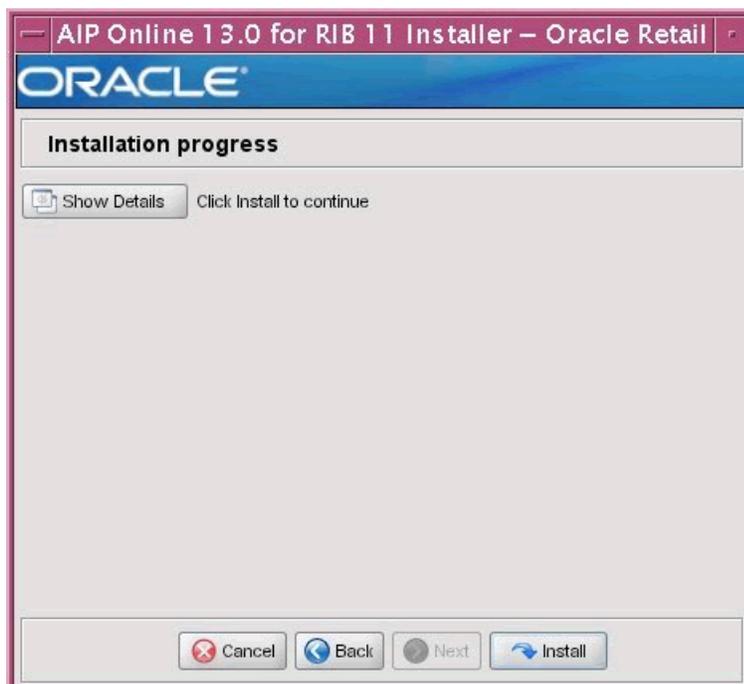
- **oraread** –The oraread section defines the properties required for all export operations on the database.
- **orawrite** – The orawrite section defines these for all import operations.

Though both sections contain similar attributes, it is imperative that each section is defined as needed for the specific Oracle database installation. This information is also dependent on the following requirements

- All databases can be connected to using a properly defined tnsnames file.
  - All databases are reachable by SQLPlus.
14. Enter the following information in the AIP Integration Install screen and click **Next** to continue:
- **Array Size**
  - **Integration Read DB Host Name**
  - **Integration Read DB Port**
  - **Integration Read DB SID**
  - **Integration Read DB Connect String**
  - **Integration Write DB Host Name**
  - **Integration Write DB Port**
  - **Integration Write DB SID**
  - **Integration Write DB Connect String**
  - **Integration Write Method**
  - **Integration Online Schema Owner**

Please refer to the *AIP Online Implementation Guide* as well as the *RETL Programmers Guide* for further details on the AIP integration fields.

The Installation Progress screen appears.

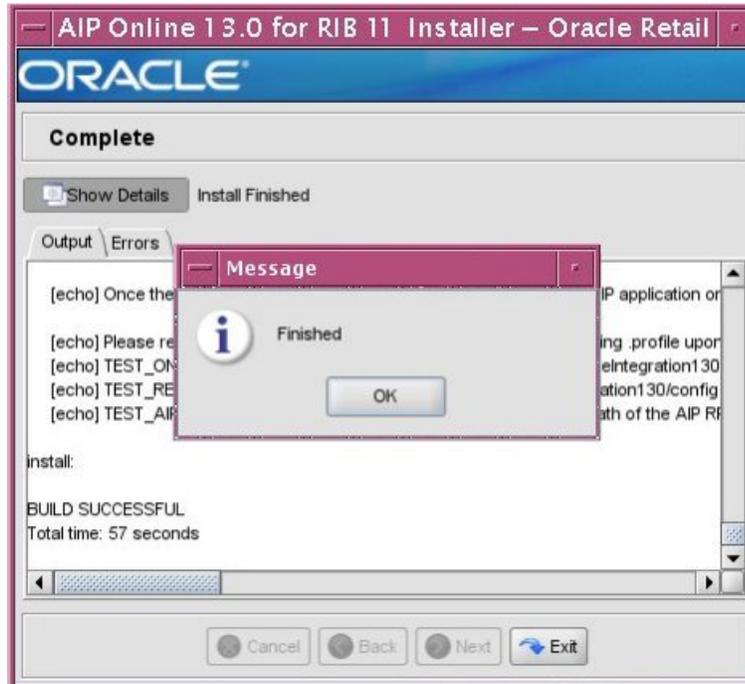


#### Installation Progress Screen

15. Once you are ready to begin installation, click the **Install** button.

This screen displays the progress of the installation routine. Select **Show Details** to view the log output as the installation is performed. If you do not select to view the details, a graphical representation of the installation steps appears.

You can toggle between detailed mode at any time during or after the installation. When the installation has finished, the Complete screen appears.



### Complete Screen

16. Click **OK** to close the dialog box.
17. To view the installation details, select the **Show Details** button. The screen displays two tabs, the **Output** tab and the **Error** tab. It is recommended that you review these tabs for any issues that may have occurred during the installation process.

When the installation is complete, a detailed installation log file is created. This file is named `aip130install-app.<timestamp>.log` where `<timestamp>` represents the date and time the installation was performed. This file is located in the `<INSTALL_DIR>/AIPOnlineAppServer130` directory.

## Resolving Errors Encountered During Application Installation

If the application installer encounters any errors, it will halt execution immediately. You can run the installer in silent mode so that you don't have to retype the settings for your environment.

Since the application installation is a full reinstall every time, any previous partial installs will be overwritten by the successful installation.

## AIP Online Integration Directory (Optional)

The AIP Online Installer places the AIP Online Integration directory, AIPONLINE\_DIR, with the rest of the AIP Online application files.

The integration directory can be located in a different location if you cannot run them from under the AIPONLINE\_DIR. To install the integration files in a different location just copy the entire \$AIPONLINE\_DIR/AIPOnlineIntegration130 directory to the appropriate destination.

## Manual Deployment Tasks

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---

**Note:** Skip this section if you chose the default option of allowing the installer to complete installation to the application server.

---

---

The installer includes the option to configure the application locally and skip deployment to the application server. If this option is chosen, the installer will make the configured application files available under <INSTALL\_DIR>/AIPOnlineAppServer130/aip/configured-output/.

If you chose this installer option, you can complete the installation by following these steps:

1. Inspect and then overlay files from <INSTALL\_DIR>/AIPOnlineAppServer130/aip/configured-output/ into your application server installation.
2. Deploy the AIPOnlineAppForRIB11 EAR file using the WAS Web interface.

The configured EAR file is located at

<INSTALL\_DIR>/AIPOnlineAppServer130/aip/ear/AIPOnlineAppForRIB11.ear.

When deploying the EAR file, you should provide the same application name you entered in the Installer. This value is stored in the

<INSTALL\_AIP>/AIPOnlineAppServer130/ant.install.properties file by the installer for later reference.

## Testing the AIP Online Application

When you have successfully and you have finished the post-installation steps noted below you should have a working AIP Online application installation. To launch the application client, open a Web browser and go to the client URL. You can find the URL in the log file that was created by the Installer.

**Example:** <http://myhost:20085/aiponline/>

## Oracle Configuration Manager

The first OCM collector distribution that will be aware of the Oracle Retail applications is in development. This version of OCM is scheduled to be posted for download but is not yet available. Oracle Retail recommends that retailers download OCM 10.3.0 from ARU and use the "emCCR update\_components" command to upgrade installed OCM collectors. See the OCM Installation and Administration Guide for further instructions. The Retail OCM Installer released with Oracle Retail 13.0.2 and 13.0.2 applications will install OCM 10.2.7. If the collector remains at version 10.2.7 and is installed in connected mode, an automatic update to version 10.3.0 is expected to occur later this year, the time at which 10.3.0 becomes a mandatory upgrade.

For more information, see the following:

### Metalink Note: 559539.1

The Oracle Configuration Manager Installer Guide describes the procedures and interface of the Oracle Retail Oracle Configuration Manager Installer that a retailer runs near the completion of its installation process.

## Configuring the AIP Online Application

A setup page is used to configure the properties files for AIP Online.

1. Load the new AIP Online application by entering the following URL in a Web browser:

```
http://<server>:<http_port>/aiponline
```

Replace the text in brackets <>with the appropriate information described below.

Replace	With
<server>	The name or IP address of the server where WebSphere is running.
<http_port>	The WAS HTTP port as defined by the HTTPtransport_1 value in the file WAS_HOME/config/cells/<cell>/nodes/<node>/servers/server1/server.xml.

**Example:** `http://server:9080/aiponline`

A page displaying a link to the setup page appears.

2. Click the **setup page** link. The AIP Online Setup page appears.
3. Configuration and Data directories are created by the AIP Online Application Installer. Using the Install directory specified in the installer, please use the following values:

Configuration Directory: `INSTALL_DIR/config`

Data Directory: `INSTALL_DIR/data`

### Example:

Configuration Directory: `/u00/websp/aip130/config`

Data Directory: `/u00/websp/aip130/data`

4. Under **Application Licensing**, set the License file field to the license-aip.bin file as shown below.

License file: `INSTALL_DIR/AIPOnlineAppServer/license-aip.bin`

### Example:

License file: `/u00/websp/aip130/AIPOnlineAppServer/license-aip.bin`

5. Under **Database setup**, set the following values in the fields provided:
  - **Database type** – Enter Oracle.
  - **Database name** – Enter the Oracle database SID name.
  - **Username** and **password** – Enter the Oracle AIP schema owner and password.
  - **Network host** – Enter the IP address or name of server where the Oracle database is running.
  - **Port Number** – Enter the Oracle database port number.
  - **Connection pool size** – This field has a default value of “40”. The user can either keep this value or increase it; however, this value can not be decrease.

**Example:**

Database type: Oracle  
 Database name: prod\_db1  
 Username: aip130  
 Password: MyPassword  
 Network host: dbserver  
 Port number: 1521  
 Connection pool size: 40 (or higher)

6. Under **E-mail setup**, retain the default settings for the following fields as this version of AIP Online does not provide e-mail functionality:

**Example:**

External Host Name: localhost:http\_port  
 E-mail From Address: admin@server.com  
 SMTP Mail Server: localhost

The AIP Online Setup: Part II: confirm settings page appears if no configuration errors were encountered.

7. Verify that all settings are correct. If any values are incorrect, click the Back button in the Web browser to go to the previous page and make the proper adjustments. If the settings are correct, click **Next**.

The AIP Online Setup: Part III: installing page briefly appears, followed by the AIP Online: Part IV: status page. A message appears stating that the installation was successful and informs you to restart the application server to continue configuring AIP Online.

8. Review the installation log to ensure that no errors were encountered during the installation process.
9. If the application will NOT connect to the database as the schema owner, then perform the following:

Navigate to <INSTALL\_DIR>/config directory and add a line within the **db.properties** file:

common.prop.oracle.schema=<schema name>

**Example:** common.prop.oracle.schema= aip130owner

---

**Note:** This line should be added right above the following line in the db.properties file: common.prop.user=<schema user>/<password>.

---

10. Restart the WebSphere Application Server to apply the AIP Online configuration changes.

11. If necessary, start the AIP Online application through the WAS Administrative Console. To start the AIP online application, select the option next to the application on the Enterprise Applications page and click **Start**. Make sure that the status of the AIP Online application is now up, indicated by a green arrow.

---

---

## Installing AIPOnlineApp on OAS 10.1.3.3

This chapter contains the typical steps for installing the AIP Online application to your Oracle Application Server (OAS).

Before proceeding, you must install Oracle Application Server 10g 10.1.3.3, plus the patches listed in the Chapter 1 of this document. AIP Online will be deployed to an OC4J instance within the Oracle Application Server 10g installation. It is assumed that Oracle RDBMS 10g has already been configured and loaded with the appropriate AIP Online schema for your installation.

### Preparing Your Server for Installation

Before you run the AIP Application Server Installer, make sure you have performed the following:

- Log in to the UNIX server as the user who owns the OracleAS 10g installation. Create a new staging directory for the AIP Online application distribution (AIP-online-rib13-appserver-installer.zip).

**Example:** `$ORACLE_HOME/j2ee/aiponline_oc4j/aiponline_staging`

This location will be referred to as `<INSTALL_DIR>` for the remainder of this chapter.

- Make sure there is a minimum of 500 MB disk space available for the application installation files.
- Copy `$PACKAGEDIR/aip/13.0.2/<sp path>/online/AIP-online-rib13-appserver-installer.zip` to `<INSTALL_DIR>` and extract its contents.
- If you are going to run the Installer in GUI mode using an X server, which is the recommended installation method, you need to have the XTEST extension enabled. This setting is not always enabled by default in your X server. Verify the extension is enabled.
- Set the `ORACLE_HOME` and `JAVA_HOME` environment variables. `ORACLE_HOME` should point to your Oracle Application Server 10g installation. `JAVA_HOME` should point to `$ORACLE_HOME/jdk`. The AIP Application Installer should set the `JAVA_HOME` variable during the installation process.

### Running the AIP Online Application Installer

Once you have an OC4J instance that is started, you can run the AIP Online application installer. This installer will configure and deploy the AIP Online application and AIP Online Integration files.

1. Extract AIP-online-rib13-appserver-installer.zip to `<INSTALL_DIR>` directory.
2. Change directories (`cd`) to the `<INSTALL_DIR>/AIPOnlineAppServer130` directory.
3. Run the `install.sh` script, as shown below, to start the Installer.

```
./install.sh
```

---

---

**Note:** The command must be executed with the preceding period and forward slash (`./`).

---

---

When the installation is complete, a detailed installation log file is created. This file is named `aip130install-app.<timestamp>.log` where `<timestamp>` represents the date and time the installation was performed. This file is located in the `<INSTALL_DIR>/AIPOnlineAppServer130` directory.

If this process is being run on an X-Windows emulator (such as Exceed), a graphical user interface (GUI) to the Installer appears. If you are running in console mode through a terminal emulator, the text interface to the Installer appears.

To run the Installer in the GUI mode, which is the recommended installation method, adjust the `DISPLAY` environment variable.

In both cases, the requested information is identical. In the GUI, you may be shown a checkbox to signal whether you want a component installed; in text mode, you will be prompted for a response of "true" or "false".

---

**Note:** In text mode, the default value will appear in square brackets []. To use the default value and continue, simply hit the Enter key. If you wish to use a different value, enter the new value. When prompted to create a directory, respond with "y" or "yes" and press the Enter key.

Password fields will appear masked, but the previous and default values will appear in plain text when running in the text mode.

---

The AIP Online Installer screen appears and displays the components that will be installed during installation process, as well as the required components.



**AIP Online Installer Screen**

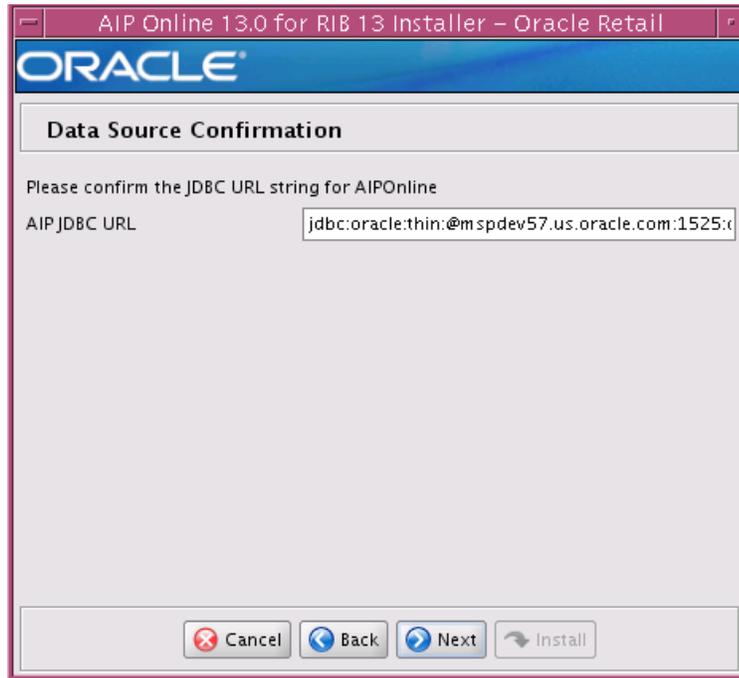
- Click **Next** to continue. The Pre Configuration Details screen appears.

**Pre Configuration Details Screen**

- Enter the application server name where AIP Online is being deployed and click **Next**. The Data Source Details screen appears.

**Data Source Details Screen**

6. Enter the following information and click **Next**:
  - **AIP database host** – Enter the AIP database host name.
  - **AIP database port** – Enter the port number on which the database listens.
  - **AIP SID** – Enter the AIP Online database SID.
  - **AIP DB Schema User** – Enter the AIP database schema user name.
  - **AIP DB Schema Password** – Enter the AIP database schema password.The Data Source Confirmation screen appears.



#### Example of Data Source Confirmation Screen

The AIP JDBC URL string that appears is defined by the information you have entered. This URL is used by the AIP Online application to access the AIP database schema.

7. Verify the AIP JDBC URL string is correct and click **Next**. The Manual Deployment Options screen appears.



#### Manual Deployment Option Screen

8. Select the appropriate option and click **Next**.

If you have write access to the application server, select **Yes**. The Installer will install the necessary files to the ORACLE\_HOME folder.

If you are running the AIP Online Installer as user who does not have write permissions to the filesystem under the ORACLE\_HOME, select **No**. The Installer will perform all the necessary configuration changes within the staging directory, but it will not install any files to the ORACLE\_HOME. If you select **No**, you will need to manually complete the installation process. Even if you select **No**, you will still need to complete the subsequent Installer screens.

The Application Deployment Details: Server Details screen appears.

**Application Deployment Details: Server Details**

The OPMN request port is found in ORACLE\_HOME/opmn/conf/opmn.xml

OPMN request port

Enter the administrative user and password for the OC4J instance to which the AIPOnline application will be deployed.

OC4J admin user

OC4J admin password

Cancel Back Next Install

**Example of Application Deployment Details: Server Details Screen**

9. Enter the following information and click **Next**:
  - **OPMN Request Port** – Enter the OPMN request port found in \$ORACLE\_HOME/opmn/conf/opmn.xml file.  
**Example of Port Definitions in opmn.xml File:**  
`<port local="6100" remote="6200" request="6003">`
  - **OC4J Admin User** – Enter the OC4J admin user name.
  - **OC4J Admin Password** – Enter the OC4J admin user password.

The Application Deployment Details: Application Details screen appears.

**AIP Online 13.0 for RIB 13 Installer – Oracle Retail**

**ORACLE**

**Application Deployment Details: Application Details**

Provide the following details for the AIPOnline application being installed. The default values shown below are examples.

The OC4J instance(s) for AIP Online must belong to an OC4J group created specifically for this AIP Online deployment. This installer will deploy the AIP Online application into all instances in the group. If you are not clustering the application across multiple OC4J instances then you should have an AIP Online group with just one member OC4J instance. Do NOT use default\_group in this field.

AIP Online OC4J group	delta2_group
OC4J Instance	aip1301-delta2-instance
AIP Online app name	aip1301delta2
Context Root	aip1301delta2

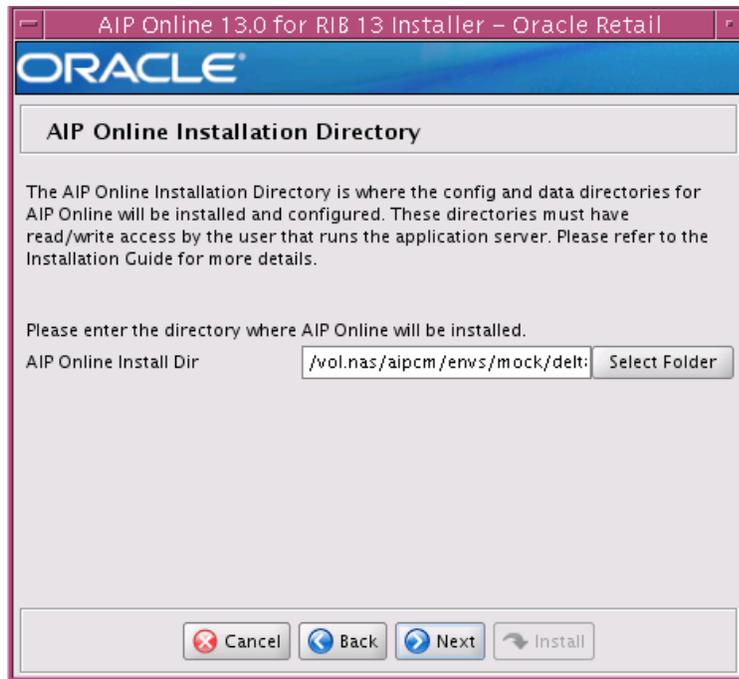
Buttons: Cancel, Back, Next, Install

#### Application Deployment Details: Application Details Screen

10. Enter the following information and click **Next**:

- **AIP Online OC4J Group** – Enter the group name of the OC4J instance where AIP Online application will be deployed.
- **OC4J Instance** – Enter the name of the OC4J instance where AIP Online application will be deployed.
- **AIP Online App Name** – Enter the name that will be used by the application server to identify the AIP Online application.
- **Context Root** – Enter the context root that the application will be using. For example, `http://myhost:7777/aiponline` where `aiponline` represents the context root required for this field.
- **HTTP Port** – Enter the HTTP port found in the application URL. For example, `http://myhost:7777/aiponline` where `7777` represents the HTTP Port required for this field.

The AIP Online Installation Directory screen appears.



**AIP Online Installation Directory Screen**

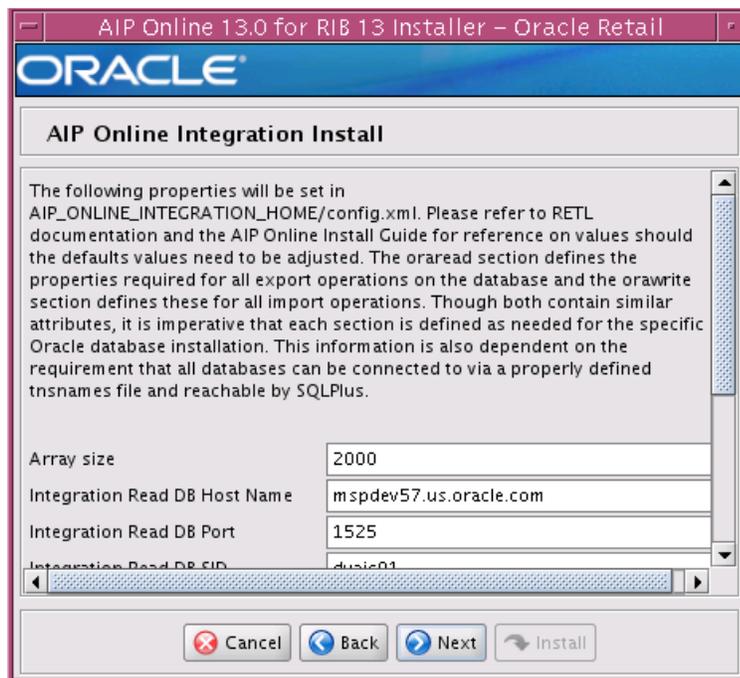
11. Enter the directory where AIP Online will be installed and click **Next**. The AIP Online Integration screen appears.



**AIP Online Integration Screen**

12. Enter the directory where AIP Online Integration components will be installed and click **Next**. The AIP online Integration Home field defaults to AIPONLINE\_DIR.

You may choose to install the integration components to another location on the same server at this point, or you may choose to move the installed files once the installation process is complete. The AIP Online Integration Install screen appears.



**Example of AIP Integration Install Screen**

---

**Note:** If there is an existing directory in the location specified, the installer will make a backup of the existing directory, appending the current timestamp to the name of the directory. This backup is non-essential to functionality, and may be moved to another location for archival or space management purposes.

---

The RETL interface process, which runs from a UNIX-based platform, is designed to be fully automated once configured. In addition to the environment variables display on the screen, config.xml is required when invoking the RETL scripts. This file should be located in the root integration directory on the UNIX server where the AIP Online application is installed.

This configuration file (config.xml) contains the database connection information required by RETL when performing import and export operations. Refer to the RETL documentation for detailed descriptions of element definitions.

There are two operator sections that need to be completed:

- **oraread** –The oraread section defines the properties required for all export operations on the database.
- **orawrite** – The orawrite section defines these for all import operations.

Though both sections contain similar attributes, it is imperative that each section is defined as needed for the specific Oracle database installation. This information is also dependent on the following requirements

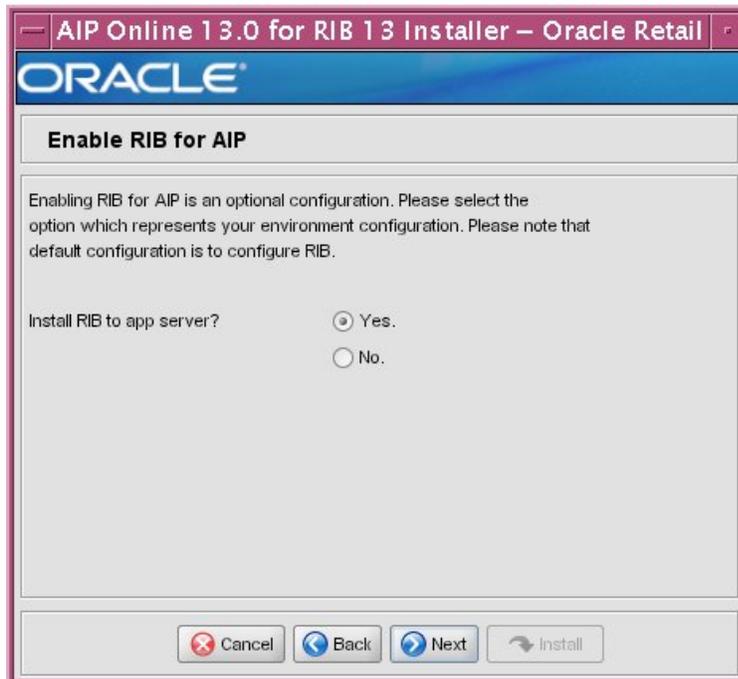
- All databases can be connected to using a properly defined tnsnames file.
- All databases are reachable by SQLPlus.

13. Enter the following information in the AIP Integration Install screen and click **Next** to continue:

- **Array Size**
- **Integration Read DB Host Name**
- **Integration Read DB Port**
- **Integration Read DB SID**
- **Integration Read DB Connect String**
- **Integration Write DB Host Name**
- **Integration Write DB Port**
- **Integration Write DB SID**
- **Integration Write DB Connect String**
- **Integration Write Method**
- **Integration Online Schema Owner**

Please refer to the *AIP Online Implementation Guide* as well as the *RETL Programmers Guide* for further details on the AIP Integration fields. Click **Next** to continue.

The Enable RIB for AIP screen appears.



#### Installation Progress Screen

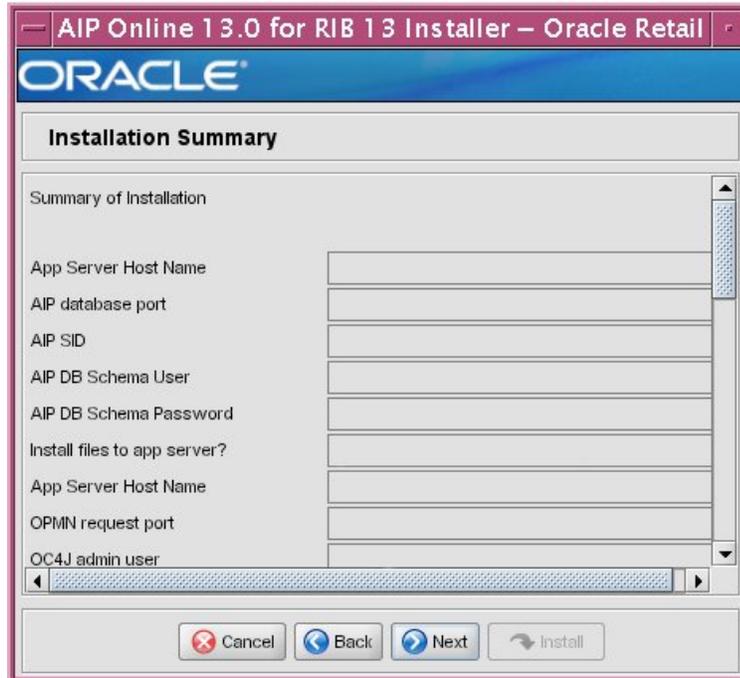
14. This screen prompts whether or not to enable RIB. If “Yes” is chosen, a details screen will appear next, prompting for configuration information. Click **Next** to continue. The next screen is context sensitive. If “Yes” was chosen, the RIB for AIP Details screen appears; otherwise, the Installation Summary screen appears.

**Complete Screen**

15. This screen configures the `jndi_providers_ribclient.xml` file based on user input. Please provide the following information:

- RIB Server (OAS Server)
- RIB Request Port
- RIB OC4J Instance
- RIB OC4J AppName
- RIB OC4J Admin User
- RIB OC4J Admin Password

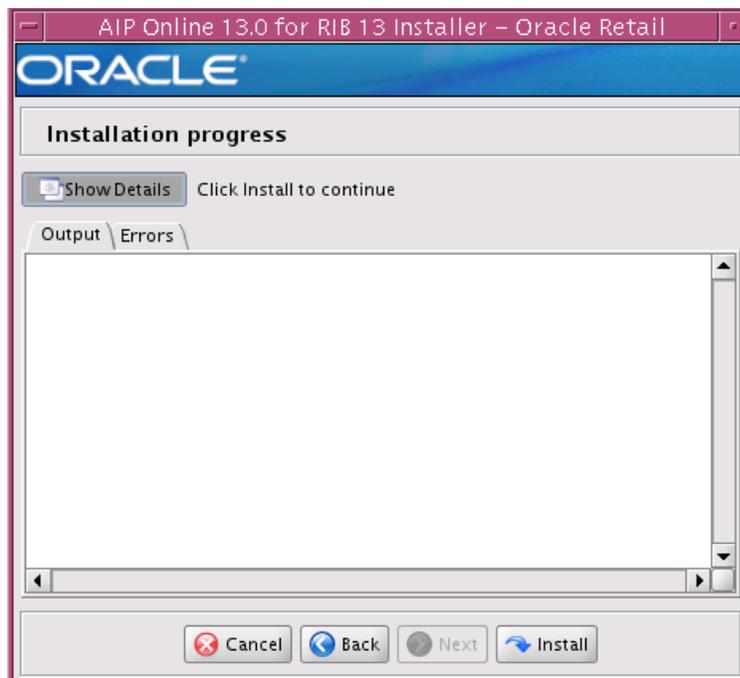
Click **Next** to continue. The Installation Summary screen appears.



#### Installation Summary Screen

16. This screen provides a summary of all information entered. Please review and click **Next** if all information is correct.

The Installation Progress screen appears.



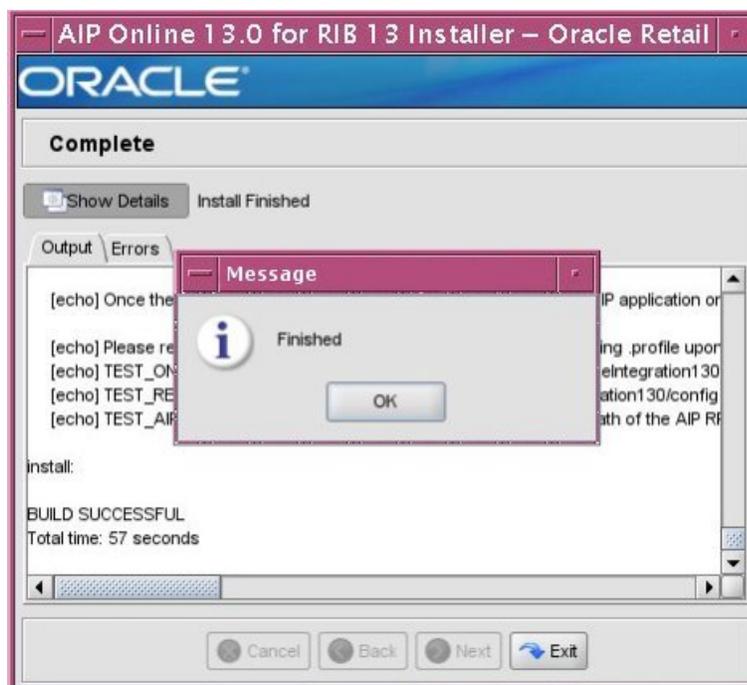
#### Installation Process Screen

17. Once you are ready to begin installation, click **Install**.

This screen displays the progress of the installation routine. Select **Show Details** to view the log output as the installation is performed. If you do not select to view the details, a graphical representation of the installation steps appears.

You can toggle between detailed mode at any time during or after the installation.

When the installation has finished, the Complete screen appears.



### Complete Screen

18. Click **OK** to close the dialog box.
19. To view the installation details, select **Show Details**. The screen displays two tabs, the Output tab and the Error tab. It is recommended that you review these tabs for any issues that may have occurred during the installation process.

When the installation is complete, a detailed installation log file is created. This file is named `aip130install-app.<timestamp>.log` where `<timestamp>` represents the date and time the installation was performed. This file is located in the `<INSTALL_DIR>/AIPOnlineAppServer130` directory.

## Resolving Errors Encountered During Application Installation

If the application installer encounters any errors, it will halt execution immediately. You can run the installer in silent mode so that you don't have to retype the settings for your environment.

Since the application installation is a full reinstall every time, any previous partial installs will be overwritten by the successful installation.

## AIP Online Integration Directory (Optional)

The AIP Online Installer places the AIP Online Integration directory, AIPONLINE\_DIR, with the rest of the AIP Online application files.

The integration directory can be located in a different location if you cannot run them from under the AIPONLINE\_DIR. To install the integration files in a different location, copy the entire \$AIPONLINE\_DIR/AIPOnlineIntegration130 directory to the appropriate destination.

## Manual Deployment Tasks

---

---

**Note:** Skip this section if you chose the default option of allowing the installer to complete the installation to the application server.

---

---

The Installer includes the option to configure the application locally and skip deployment to the application server. If this option is chosen, the installer will make the configured application files available under <INSTALL\_DIR>/AIPOnlineAppServer130/aip/configured-output/.

If you chose this installer option, you can complete the installation by following these steps:

1. Inspect and then overlay files from <INSTALL\_DIR>/AIPOnlineAppServer130/aip/configured-output/ into your application server installation.
2. Deploy the AIPOnlineApp EAR file using the Enterprise Manager Web interface.

The configured EAR file is located at

<INSTALL\_DIR>/AIPOnlineAppServer130/aip/ear/AIPOnlineAppForRIB13.ear.

When deploying the EAR file, you should provide the same application name you entered in the Installer. This value is stored in the

<INSTALL\_AIP>/AIPOnlineAppServer130/ant.install.properties file by the Installer for later reference.

## Testing the AIP Online Application

When you have successfully and you have finished the post-installation steps noted below you should have a working AIP Online application installation. To launch the application client, open a Web browser and go to the client URL. You can find the URL in the log file that was created by the Installer.

**Example:** `http://myhost:7777/aiponline/`

## Starting and Stopping AIP Online

AIP Online can be restarted by using the Enterprise Manager to restart the OC4J instance that contains AIP Online.

## Oracle Configuration Manager

The first OCM collector distribution that will be aware of the Oracle Retail applications is in development. This version of OCM is scheduled to be posted for download but is not yet available. Oracle Retail recommends that retailers download OCM 10.3.0 from ARU and use the "emCCR update\_components" command to upgrade installed OCM collectors. See the OCM Installation and Administration Guide for further instructions. The Retail OCM Installer released with Oracle Retail 13.0.2 and 13.0.2 applications will install OCM 10.2.7. If the collector remains at version 10.2.7 and is installed in connected mode, an automatic update to version 10.3.0 is expected to occur later this year, the time at which 10.3.0 becomes a mandatory upgrade.

For more information, see the following:

### Metalink Note: 559539.1

The Oracle Configuration Manager Installer Guide describes the procedures and interface of the Oracle Retail Oracle Configuration Manager Installer that a retailer runs near the completion of its installation process.

## Configuring the AIP Online Application

A setup page is used to configure the properties files for AIP Online. Perform the procedure below to configure the AIP Online Application.

1. Load the new AIP Online application by entering the URL in a Web browser, as shown in the example below.

**Sample Path Syntax:** `http://<server>:<port>/aiponline`

Replace the text in brackets <>with the appropriate information described below.

Replace	With
<server>	The name or IP address of the server where OAS is running.
<port>	The OAS HTTP port

**Example:** `http://server:7778/aiponline`

A page displaying a link to the setup page appears.

2. Click the **setup page** link. The AIP Online Setup page appears. Configuration and Data directories are created by the AIP Online Application Installer.
3. Using the Install directory specified in the installer, please use the following values:

Configuration Directory: `INSTALL_DIR/config`

Data Directory: `INSTALL_DIR/data`

### Example:

Configuration Directory: `/u00/oas/aip130/config`

Data Directory: `/u00/oas/aip130/data`

4. Under **Application Licensing**, set the License file field to the license-aip.bin file as shown below.

License file: `INSTALL_DIR/AIPOnlineAppServer/license-aip.bin`

### Example:

License file: `/u00/oas/aip130/AIPOnlineAppServer/license-aip.bin`

5. Under **Database setup**, set the following values in the fields provided:

- **Database type** – Enter Oracle.
- **Database name** – Enter the Oracle database SID name.
- **Username and password** – Enter the Oracle AIP schema owner and password.
- **Network host** – Enter the IP address or name of server where the Oracle database is running.
- **Port Number** – Enter the Oracle database port number.
- **Connection pool size** – This field has a default value of “40”. The user can either keep this value or increase it; however, this value can not be decrease.

**Example:**

Database type: Oracle  
 Database name: prod\_db1  
 Username: aip130  
 Password: YourPassword  
 Network host: dbserver  
 Port number: 1521  
 Connection pool size: 40 (or higher)

6. Under **E-mail setup**, retain the default settings for the following fields as this version of AIP Online does not provide e-mail functionality:

**Example:**

External Host Name: localhost:http\_port  
 E-mail From Address: admin@server.com  
 SMTP Mail Server: localhost

The AIP Online Setup: Part II: confirm settings page appears if no configuration errors were encountered.

7. Verify that all settings are correct. If any values are incorrect, click the Back button in the Web browser to go to the previous page and make the proper adjustments. If the settings are correct, click **Next**.

The AIP Online Setup: Part III: installing page briefly appears, followed by the AIP Online: Part IV: status page. A message appears stating that the installation was successful and informs you to restart the application server to continue configuring AIP Online.

8. Review the installation log to ensure that no errors were encountered during the installation process.
9. If the application will NOT connect to the database as the schema owner, then perform the following:

Navigate to <INSTALL\_DIR>/config directory and add a line within the **db.properties** file:

```
common.prop.oracle.schema=<schema name>
```

**Example:** common.prop.oracle.schema= aip130owner

---

**Note:** This line should be added right above the following line in the db.properties file: common.prop.user=<schema user>/<password>.

---

10. Restart the AIP Online Application from OAS Enterprise Manager to apply the AIP Online configuration changes.
  - a. Log in to OAS Enterprise Manager console.
  - b. Click on the instance that is hosting the AIP Online application.
  - c. Select the **Applications** tab.
  - d. Select the checkbox to the left of the AIP Online application.
  - e. Click **Stop**. A Confirmation page appears.
  - f. Click **Yes**. The Application tab appears with AIP Online application stopped.
  - g. Make sure the checkbox to the left of AIP Online application is still selected and click **Start**. A confirmation page appears.
  - h. Click **Yes**.

The AIP Online application restarts.