



**Upgrade Guide
Release 9.0**

May 2015

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About this Upgrade Guide

This guide describes the steps required to update EnterpriseTrack from release 8.7.5 or later to 9.0. If you are not at 8.7.5, you must first upgrade to 8.7.5 before upgrading to 9.0.

Preparing for the Upgrade

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Assessing the Technical Environment

Prior to upgrading:

Note: Oracle Consulting can provide technology assessments and architectural planning workshops to guide you through these processes.

- ▶ Review your configuration for the hardware and software used to support EnterpriseTrack.
- ▶ Use the Tested Configurations document to determine gaps in your infrastructure.

Stopping the Current SiteWand Server

Windows

To stop the WebLogic admin server on Windows complete the following steps:

- 1) From the **Start** menu, select **Oracle WebLogic, User Projects, Domain**, then **Stop Server**.
- 2) If prompted for a user name and password in the WebLogic console window, enter the WebLogic server administrator user name and password you specified when creating the domain.

Note: The WebLogic console closes automatically when shutdown.

Linux

To stop the SiteWand server, complete the following steps:

- 1) Change the directory to: `ROOT_DIR/deploy/middleTier`. `ROOT_DIR` is the directory where SiteWand is installed.
- 2) As the user running SiteWand, execute the following command:
`perl launchMiddleTier.pl stop tomcat all`
- 3) As the user running Apache, execute the following command:
`perl launchMiddleTier.pl stop apache all`

Stopping Scheduled Tasks

Ensure that you have stopped all scheduled tasks (`DailyJob.pl` or `DailyJob.bat`).

Windows

Stop scheduled tasks using the Windows Task Scheduler.

Unix

Comment the line that refers to the cron job.

Backing up Your Database

Before upgrading EnterpriseTrack, ensure that you have all the necessary backups. Follow your organization's procedures for creating a backup of the current database and the static files, originally distributed in `basehrefdir.zip`, if you have modified them.

Saving the Current SiteWand Installation

Save the current SiteWand installation by renaming the current SiteWand root directory. You can use this to refer to your old settings.

Windows

- 1) Change to the parent directory of the directory where SiteWand is installed. For example, if SiteWand is installed under `c:\etrack`, then enter the following commands:
`c:`
`cd\`
- 2) Rename the current SiteWand installation directory. For example,
`ren etrack etrack87`

Linux

- 1) Change to the parent directory of the directory where SiteWand is installed. For example, if SiteWand is installed under /home/euser/etrack, then enter the following command:
`cd /home/euser`
- 2) Rename the current SiteWand installation. For example,
`mv etrack etrack87`

Installing WebLogic

You will need to install WebLogic Generic 12 to deploy EnterpriseTrack. For supported versions, see the Tested Configurations document. Also, consult WebLogic's documentation for installation instructions. Visit

<http://www.oracle.com/technetwork/middleware/weblogic/documentation/index.html>.

Note: While installing WebLogic, select the **Weblogic Plugin Enabled**, in the **Web Applications** tab of the main SiteWand domain.

Installing JDK

Install Sun Java JDK 1.7 version. For a list of supported JDK versions for EnterpriseTrack, see the Tested Configurations document. As new releases of the software become available, you can find these at <http://www.oracle.com/technetwork/java/archive-139210.html>.

Extracting the SiteWand File

Windows

Extract the zip file to a directory, typically called `c:\etrack` which may need to be created.

Note: The directory into which the zip file contents are extracted to, is referred to as the **IETRACK_Root** directory throughout this guide.

Linux

Extract the SiteWand file as follows:

- 1) Change directory to IETRACK_ROOT
 Typically etrack is in the home directory of the user that will be running the software.
- 2) Untar the IETRACK_ROOT/Sitewand-Linux-x90_64.tar.gz file.
- 3) Name the directory that gets created as **sitewand**, if it does not already have that name. This directory is now referred to as **ROOT_DIR**.
 For example, if sitewand.tar.gz is untared to /home/webserv1/etrack/, then the ROOT_DIR is /home/webserv1/etrack/sitewand

Downloading EnterpriseTrack Media Pack

Download the EnterpriseTrack media pack from Oracle Software Delivery Cloud. Also, download the latest service packs available for the EnterpriseTrack release, which you can find in the readme for the media pack.

Upgrading SiteWand Using WebLogic for Windows and Linux

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Before you Begin

Before you begin upgrading EnterpriseTrack, ensure that you have credentials for **Etrack.on_premise** or a backend account. Contact Oracle Support, if you don't have these credentials.

Note: If you don't have credentials and start an upgrade, you may not be able to complete the upgrade, or easily restore the system to its original state. Oracle recommends that you validate your SiteWand backend credentials before proceeding.

Uninstalling SiteWand

Windows

To uninstall SiteWand on Windows, complete the following steps:

- 1) Follow the WebLogic documentation to undeploy the SiteWand.war application.
- 2) Delete the current SiteWand application.
- 3) Restart WebLogic

Linux

To uninstall SiteWand on Linux, complete the following steps:

- 1) Follow the Tomcat and Apache documentations to shut down Tomcat and Apache.
- 2) Delete the current SiteWand application.

Configuring SiteWand on Windows

If there is an existing installation, associated servers will interfere with resources being configured (such as network port numbers). Ensure that you stop the servers by following the associated documentation.

Modifying the `site.properties` File

Note: You can use the existing `site.properties` file. If needed, make changes to this file.

Modify the `site.properties` file as follows:

- 1) Login to the server as a user with Windows administrator privileges.
- 2) In the `IETRACK_ROOT` directory, locate the `site.properties` file.
- 3) Use the appropriate example in the properties file to modify the configuration property specific to the server installation. You can refer to your `site.properties` from the old installation, but note that a new property, `APPS_SUPPORTMAIL`, has been added in 8.7 and must be set.

Configuring SiteWand

- 1) Change directory to `IETRACK_ROOT`.
- 2) Run the following command:
`configMiddleTier application`
- 3) Enter database user and password when prompted.
- 4) (For Windows only) If you are using database 12c or a database that uses service name or RAC, edit the `environment.properties` file:
 - a. Update the DB JDBC connection string URL for the `db.url` property knob.
 - b. Run the following command to update the app:
`%JAVA_HOME%/bin/jar uf SiteWand.war environment.properties`

Configuring SiteWand for Linux

If there is an existing installation, associated servers will interfere with resources being configured (such as network port numbers). Ensure that you stop the servers by following the associated documentation.

Note: You can use the existing `site.properties` file. If needed, make changes to this file.

You can configure SiteWand on Linux by modifying the `site.properties` file as follows:

- 1) In the `IETRACK_ROOT` directory, locate the `site.properties` file.

- 2) Use the appropriate example in the properties file to modify the configuration property specific to the server installation. You can refer to your site.properties from the old installation, but note that a new property, APPS_SUPPORTMAIL, has been added in 8.7 and must be set.

Starting WebLogic Admin Server

Before starting the WebLogic admin server, edit the file `bin/setDomainEnv.sh` (for Linux), `bin/DomainEnv.bat` (for Windows) to set the following options:

- ▶ Set the Java heap space for the WebLogic server to: **-Xms256m -Xmx6000m -XX:MaxPermSize=256m**.

Important!: Oracle recommends setting the Java heap space for the WebLogic server to:

-Xms256m -Xmx6000m -XX:MaxPermSize=256m. SiteWand will not install if the Java heap space is not set per the recommendation.

If the WebLogic precompile option is enabled, the WebLogic console displays the following message after precompiling, *Server started in RUNNING mode*. For details on how to enable precompilation, see WebLogic Server documentation.

- ▶ Add the following line to enable the headless mode:
`JAVA_OPTIONS="-java.awt.headless=true"`
Add the following line if you are installing on Windows:
Set `JAVA_OPTIONS=-java.awt.headless=true`
- ▶ Add the following line if you are installing on Linux or Weblogic, and if you are using OAM to provide SAML authentication. The line below also enables the headless mode.

```
JAVA_OPTIONS="-Dweblogic.http.enableRemoteUserHeader=true  
java.awt.headless=true"
```

Add the following line if you are installing on Windows:

```
Set JAVA_OPTIONS=-Dweblogic.http.enableRemoteUserHeader=true  
java.awt.headless=true
```

Starting WebLogic Admin Server

Start the admin server to deploy the EnterpriseTrack application in WebLogic as follows:

- 1) From the **Start** menu, select **Oracle WebLogic**.
- 2) Select the menu option, **User Projects, Domain**, then **Start Server**.
- 3) In the WebLogic console window, enter the WebLogic server administrator user name and password that was specified when creating the WebLogic domain.

Installing SiteWand

To install SiteWand, complete the following steps:

- 1) Start the WebLogic Admin Server Console for the domain.

- 2) Select **Lock and Edit** to change the domain.
- 3) Select **Deployments, Install**.
- 4) Select **SiteWand.war** in the directory **IETRACK_ROOT**.
- 5) Select **Next**.
- 6) Select **Install this deployment as an application**.
- 7) Select **Next**.
- 8) In the **Name** field, select a name for the deployment.
- 9) In the **Security** field, select **DD Only: Use only roles and policies that are defined in the deployment descriptors**.
- 10) In the Source accessibility field select **Use the defaults defined by the deployment's targets**.
- 11) Select **Finish**.
- 12) Select **Activate Changes**.
- 13) In **Deployments**, select the deployment and **Start all requests**.

Note: The Admin console will shut down and not be accessible until launched again.

Setting mobile authentication

For basic and digest authentication:

1. Search for `enforce-valid` in the file `sitewanddomain/config/config.xml`.
2. Add the following at the end of the `<security-configuration>` block:
`<enforce-valid-basic-auth-credentials>false<enforce-valid-basic-auth-credentials>`

Starting SiteWand

To start SiteWand, complete the following steps:

- 1) Ensure the database server is started and running.
- 2) Set the `manage_accounts` password. See topic *Accessing the SiteWand Login Page* for more information.
- 3) Change the directory to `weblogic_home/user_projects/domains/your_domain` directory.
- 4) Run the `startWebLogic` script.
 - ▶ `startWebLogic.cmd` on Windows machine
 - ▶ `startWebLogic.sh` on Unix machine
- 5) If prompted, enter the Administrator user name and password you specified when creating the domain in the WebLogic console window.

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Before you Begin

Before you begin upgrading EnterpriseTrack, ensure that you have credentials for **Etrack.on_premise** or a backend account. Contact Oracle Support, if you don't have these credentials.

Note: If you don't have credentials and start an upgrade, you may not be able to complete the upgrade, or easily restore the system to its original state. Oracle recommends that you validate your SiteWand backend credentials before proceeding.

Configuring SiteWand for Linux

If there is an existing installation, associated servers will interfere with resources being configured (such as network port numbers). Ensure that you stop the servers by following the associated documentation.

Note: You can use the existing `site.properties` file. If needed, make changes to this file.

You can configure SiteWand on Linux by modifying the `site.properties` file as follows:

- 1) In the `IETRACK_ROOT` directory, locate the `site.properties` file.
- 2) Use the appropriate example in the properties file to modify the configuration property specific to the server installation. You can refer to your `site.properties` from the old installation, but note that a new property, `APPS_SUPPORTMAIL`, has been added in 8.7 and must be set.

Registering SiteWand Services

Register SiteWand services with the operating system to enable starting SiteWand automatically.

- ▶ Setup appropriate run control (RC) files to enable Apache and Tomcat to automatically start on reboot.
- ▶ You can also edit the existing RC files before re-using them.

Starting SiteWand Manually

To manually start the SiteWand server after an upgrade:

- 1) Change the directory to: `ROOT_DIR/deploy/middleTier`
Root_DIR is the directory SiteWand was installed under.
- 2) Execute the following command:
`perl -w launchMiddleTier.pl start apache all`
Start Apache as root if you are running the server on a port less than 1024.
- 3) Execute the following command:
`perl -w launchMiddleTier.pl start tomcat all`
Start Tomcat as a regular user.
- 4) Set the `manage_accounts` password. See topic *Accessing the SiteWand Login Page* for more information.

The server startup can take several minutes to complete

Upgrading EnterpriseTrack

Accessing the SiteWand Login Page

After an upgrade, you must log in to the SiteWand to set new passwords.

Note: You will need your current SiteWand password to proceed. Contact Oracle Support if you don't remember your password.

- 1) Access the backend URL:
`http://<hostname>[:<port>]/SiteWand/Login`

The following SiteWand screen displays.

ORACLE Instantis SiteWand SiteWand Control Panel

☐ ENGINES ☐ ACCOUNT ☐ INTRO

Set Manage Accounts Password

In order to start using SiteWand, you must provide a password for the manage_accounts account that is used to administrate all other SiteWand accounts on this server.

SiteWand has detected existing accounts with data in the database. In order to deploy this new version of SiteWand and set the new manage accounts password, you must enter credentials for at least one back-end account here.

Existing Login Name

Existing Password

Enter your new password for the manage_accounts account here. This account can be used to create, delete, and set passwords for other accounts in the system.

Password for manage_accounts

Confirm Password

Password Hint

Password Hint Email

- 2) Enter your existing login name and password.
- 3) Enter a password for manage_accounts.
- 4) Reenter your password.
- 5) Enter your email address and a password hint.
- 6) Enter a login name, password, email address, and password hint for the Etrack account.
- 7) Click **OK**.
- 8) Log out of SiteWand.

Accessing EnterpriseTrack

The following URL displays the EnterpriseTrack Login page:

[https://<hostname>\[:<port>\]/SiteWand/Submission/etrack/login](https://<hostname>[:<port>]/SiteWand/Submission/etrack/login)

To login to EnterpriseTrack:

- 1) In the Login ID field, enter **sys_admin**.
- 2) In the Password field, enter your password.
- 3) Click the **Login** button.

Upgrading EnterpriseTrack

To upgrade EnterpriseTrack:

- 1) From the Top Navigation bar, select **Go To > Administration**.
- 2) From the **Change Mode** drop-down menu, select **Upgrade**.
- 3) Click the **Install Update** button.
- 4) Click the **Browse** button to select the new release upgrade pack.
- 5) Click **Update**. In the pop-up, a message displays asking you to create a backup.
- 6) Close the pop-up window. The Upgrade page is refreshed.
- 7) Click the **Make Backup** button.
- 8) Click the **Install Update** button.
- 9) Click the **Browse** button to select the new release upgrade pack.

10) Click **Update**.

11) From the **Change Mode** drop-down menu, select **Reconfigure**.

Note: If the upgrade fails, you can log in to the Backup account and click **Restore**.

Validating the Account

To validate the account after an upgrade:

- 1) With the system in **Reconfigure** mode, click the **Validate Configuration** button.
- 2) From the **Change Mode** drop-down menu, select **Production**.

Note: You must fix all validation errors in the Reconfigure mode before moving the system to Production.

Enabling User-Interface Components in EnterpriseTrack

All the images and stylesheets used by EnterpriseTrack are located using a base URL. The upgrade script updates the base URL:

- ▶ If the base URL of your base account (account before upgrade) is pointing to the Oracle cloud URL (<https://primavera-et-i.oracleindustry.com/systems/sixsigma/v87/>), then the upgrade script will also update the base URL to the new URL (<https://primavera-et-i.oracleindustry.com/systems/sixsigma/v90/>).
- ▶ If the base URL of your base account is pointing to a local URL with a similar URL pattern as in the above example, then the upgrade script replaces the v87 with v90 in the base URL and creates a new URL. For example, www.abc.com/etrack/v87/ will be changed to www.abc.com/etrack/v90/.

The upgrade script does not update the base URL if the base account URL is a custom URL and does not contain a v87 string. You will need to use the converted URL to install the basehref content for the local base URL. After migration, you can update the basehref URL in the Reconfigure mode.

If you want to host these files, you will need to install them on your web server and change the base URL to point to your server as follows:

- 1) Copy to the following folders that are provided in the distribution.
 - ▶ On Windows, unzip the `basehref.zip` to the `DocumentRoot` directory defined in `httpd.conf` for OHS webserver
 - ▶ On Linux, copy the `<customer name>bhref` folder to `INSTALL_DIR/apache-X/htdocs/Sitewand/public`

For more details on `INSTALL_DIR`, refer to the `linux.properties` file.

- 2) Configure the Base URL Link as follows:
 1. From the **Change Mode** drop-down menu, select **Reconfigure**.
 2. Click on the **Deployment Options** tab.

3. Select the **Base URL** link.
4. Save the current value of the Base URL as a backup.
5. Enter the new value for the Base URL.
6. Click **Validate** to test access to an icon.
7. Click the **Update** button to set the new Base URL link.
8. From the **Change Mode** drop-down menu, select **Production**.

Adding your Company Logo

Use the Company Logos page to upload your company logo. You can add a logo to the EnterpriseTrack header and the login page.

To upload your company logo:

- 1) Select the **General Settings** tab.
- 2) Click the **Company Logos** link.
- 3) Click **Browse** to find the image. The preferred image formats are JPEG, GIF, PNG and BMP. The dimension of the image needs to be identical to the existing logo.
- 4) Click **Update**.

Post-Upgrade Processes

After you upgrade:

- ▶ Apply current service packs available for the release.
- ▶ Give the environment to the appropriate project teams for testing.
- ▶ Delete the backup. An email is sent to the sys_admin user to remove the backup. To remove the backup: change to the **Upgrade** mode and click the **Remove Backup** button. After removing the backup, change the mode to **Reconfigure**, and then to **Production**.

For More Information

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Where to Get Documentation

Complete documentation libraries for EnterpriseTrack releases are available on the Oracle Technology Network (OTN) at:

<http://www.oracle.com/technetwork/documentation/default-1956119.html>

From this location you can either view libraries online or download them to have local copies. We recommend viewing them from OTN to ensure you always access the latest versions, including critical corrections and enhancements.

EnterpriseTrack is configured to access its help system directly on OTN. However, a downloadable version of the help system is also available on OTN if you need to download, deploy, and access a local copy.

The documentation assumes a standard setup of the product, with full access rights to all features and functions.

The following table describes the core documents available for EnterpriseTrack and lists the recommended readers by role.

Title	Description
<i>EnterpriseTrack User Help</i>	Describes how to work with EnterpriseTrack and provides information to assist users with using EnterpriseTrack features. All users should read this Help.
<i>EnterpriseTrack Administrator's Help</i>	Describes how to work with EnterpriseTrack Administrator's console to manage your deployment and change various aspects of the application. EnterpriseTrack administrator should read this Help.
<i>EnterpriseTrack User Guide</i>	Guides users on how to use the EnterpriseTrack application. All users should read this guide.

Title	Description
<i>EnterpriseTrack Administrator's Guide</i>	Provides detailed information on using the EnterpriseTrack Administrator's console. EnterpriseTrack administrator should read this guide.
<i>EnterpriseTrack Dashboards User's Guide</i>	Provides detailed instruction on using the EnterpriseTrack Dashboards modules to view and generate dashboards. All users should read this guide.
<i>EnterpriseTrack Reports User's Guide</i>	Provides detailed instruction on using the EnterpriseTrack Reports modules to generate standard reports, ad-hoc reports and user-defined reports. All users should read this guide.
<i>EnterpriseTrack Quick Reference Guide</i>	Provides a quick introduction to common EnterpriseTrack tasks. All users should read this guide.
<i>EnterpriseTrack Installation Guide</i>	Provides information on how to install and configure EnterpriseTrack. EnterpriseTrack administrator, network administrator and database administrator should read this guide.
<i>EnterpriseTrack MSP Integration Guide</i>	Provides an overview of MS Project integration for EnterpriseTrack. EnterpriseTrack users who will perform MS Project integration should read this guide.
<i>EnterpriseTrack API Integration Guide</i>	Provides information that allows customers to customize existing third-party integration. Developers interested in customization and existing third-party providers that integrate with EnterpriseTrack should read this book.
<i>EnterpriseTrack Upgrade Guide</i>	Provides a sequence of procedures that must be completed to upgrade to a new version of EnterpriseTrack. EnterpriseTrack administrator and database administrator should read this guide.
<i>EnterpriseTrack Architecture Data Sheet</i>	Provides the server system requirements and the deployment configuration options for EnterpriseTrack.
<i>EnterpriseTrack Tested Configurations</i>	Lists the configurations that have been tested and verified to work with EnterpriseTrack. EnterpriseTrack administrator, network administrator, and database administrator should read this guide.

Title	Description
<i>EnterpriseTrack Cumulative Features Overview Tool</i>	Provides an overview of features and enhancements included in the Oracle EnterpriseTrack product. It is intended solely to help you assess the business benefits of upgrading. All users should read this guide.
<i>EnterpriseTrack Security Guide</i>	Provides guidelines on how to plan your security strategy for EnterpriseTrack. All users, EnterpriseTrack administrators, network administrators and database administrators should read this guide.

Distributing Information to the Team

You can copy the online documentation to a network drive for access by project participants. Each team member can then view or print those portions that specifically relate to his or her role in the organization.

Throughout this documentation, the Security Guidance icon  helps you to quickly identify security-related content to consider during the installation and configuration process.

Where to Get Training

To access comprehensive training for all Primavera products, go to:

<http://education.oracle.com>

Oracle Learning Library

The Oracle Learning Library (OLL) provides online learning content covering Primavera products. Content includes videos, tutorials, articles, demos, step-by-step instructions to accomplish specific tasks, and self-paced interactive learning modules.

To access the learning library's Primavera content, go to:

<http://www.oracle.com/oll/primavera>

Where to Get Support

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/us/support/contact-068555.html> or visit <http://www.oracle.com/us/corporate/accessibility/support/index.html> if you are hearing impaired.

Using Primavera's Support Resource Centers

Primavera's Support Resource Center provides links to important support and product information. Primavera's Product Information Centers (PICs) organize documents found on My Oracle Support (MOS), providing quick access to product and version specific information such as important knowledge documents, Release Value Propositions, and Oracle University training. PICs also offer documentation on Lifetime Management, from planning to installs, upgrades, and maintenance.

Visit <https://support.oracle.com/epmos/faces/DocumentDisplay?id=1486951.1> to access links to all of the current PICs.

PICs also provide access to:

- ▶ **Communities** are moderated by Oracle providing a place for collaboration among industry peers to share best practices.
- ▶ **News** from our development and strategy groups.
- ▶ **Education** contains a list of available Primavera product trainings through Oracle University. The Oracle Advisor Webcast program brings interactive expertise straight to the desktop using Oracle Web Conferencing technology. This capability brings you and Oracle experts together to access information about support services, products, technologies, best practices, and more.

For more information about working with Support, visit <https://support.oracle.com/epmos/faces/DocumentDisplay?id=888813.2>.

Legal Notices

Oracle Instantis EnterpriseTrack Upgrade Guide

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