





Installing and Upgrading ENOVIA Applications

This section describes all the steps and procedures required to install or upgrade ENOVIA applications.

In this section:

-  [Installing ENOVIA Applications](#)
-  [Installing ENOVIA Help for Web Applications](#)
-  [Upgrading ENOVIA Applications](#)
-  [Installing an Application Hot Fix](#)

Installing ENOVIA Applications

This topic describes how to install ENOVIA applications. This procedure is presented generically and applies to most ENOVIA web applications. For additional setup requirements for a specific application, refer to the application's installation or administration guide.

Installer and application setup media are now provided separately. As the application setup media does not contain the core installer files, you must extract and run the installer separately, prior to running the application setup. Instructions are provided in the *Start the application setup* section for each platform, below.

This task shows you how to:

- [Start the application setup on UNIX](#)
- [Start the application setup on Windows](#)
- [Complete the application setup](#)

Before you begin:

- Installation of ENOVIA web applications requires prior installation of ENOVIA Live Collaboration Server and Business Process Services.
- As the Studio Modeling Platform is no longer a required component, the `MX_CLASSPATH` environment variable in the `enovia.ini` file (in the `SERVER_INSTALL\PLATFORM\code\bin\` directory) must be prefixed with the server install path, which is `SERVER_INSTALL\managed\properties;SERVER_INSTALL\PLATFORM\docs\javacommom;SERVER_INSTALL\PLATFORM\docs\javaserver;SERVER_INSTALL\PLATFORM\docs\custom;`

Start the application setup on UNIX

To start the application setup on UNIX/Linux:

1. Mount the CD so the operating system software can access the files contained on the disk. See "Mounting the CD," below, for examples of mount commands for each platform.
2. Create a directory where you will extract all ENOVIA installation media (e.g., `Soft/`).
3. Copy the installer media (e.g., `ENOVIA_Installer-VERSION.PLATFORM.tar.gz`), from the CD or ENOVIA Download page to the directory created in the previous step. Untar the installer media in this directory. Use the `-i` option of the tar command to avoid errors caused by long path names in the distribution that some versions of tar can't handle properly.

The core installer files should now be extracted in a new `Installer` directory, such as the following: `Soft/ENOVIA_Installer-V6R2012.RHEL64/`

4. Copy the application setup media (e.g., `MEDIA_NAME.tar.gz`, where `MEDIA_NAME` includes the name of the ENOVIA application, the `VERSION`, and the `PLATFORM`, from the CD or ENOVIA Download page to the directory created in step 2. Untar this file in the same directory. Use the `-i` option of the tar command to avoid errors caused by long path names in the distribution that some versions of tar can't handle properly.

The application setup files should now be extracted in a new `MEDIA_NAME` directory, such as the following: `Soft/ENOVIAEngineeringCentral-V6R2012.RHEL64/`

5. Change to the `MEDIA_NAME` directory, where the application setup files were extracted in the previous step:

```
cd /Soft/MEDIA_NAME
```

6. Run the application setup program as follows:

- GUI mode:

```
./StartGUI.sh
```

If the `Installer` directory is not present, an error message is displayed.

You can specify the location of installer files explicitly using the `-installerPath` argument:

```
./StartGUI.sh -installerPath ENOVIA_INSTALLER_PATH
```

- Console mode:

```
./StartTUI.sh
```

If the `Installer` directory is not present, an error message is displayed.

You can specify the location of installer files explicitly using the `-installerPath` argument:

```
./StartTUI.sh -installerPath ENOVIA_INSTALLER_PATH
```

- Silent mode:

```
./StartTUI.sh --silent SERVERHOME/InstallData/UserIntentions.xml
```

If the `Installer` directory is not present, an error message is displayed.

You can specify the location of installer files explicitly using the `-installerPath` argument:

```
./StartTUI.sh -installerPath ENOVIA_INSTALLER_PATH --silent SERVERHOME/InstallData/UserIntentions.xml
```

Silent Installation requires completion of the setup procedure in one of the other two modes (GUI or Console). After installation, the files needed for silent mode are created under `SERVERHOME/InstallData/`. In this directory there is a file called `UserIntentions.xml`, which captures the responses that were manually entered during the prior installation procedure.

Note: If you want to allow the setup to run in a non-empty directory, you must manually modify the `TARGET_PATH` variable in the `UserIntentions.xml` and `InstallData.xml` files. Both of these files are located in the `SERVERHOME/InstallData/` directory.

The application setup program starts in the respective mode.

Continue with [Complete the application setup](#).

Mounting the CD

If you are installing from CD on UNIX/Linux, you must mount the CD drive so that the operating system software can access the files contained on the disk.

1. Insert the ENOVIA Live Collaboration CD for your platform into a local CD drive. If a local drive is not available, consult your operating system administrator's guide.
2. Create a "mount point" directory for the CD drive with the command: `mkdir /cdrom`.
3. Mount the CD. Below are some examples of the commands for various hardware and software platforms:

Platform	Example of Mount Command
SPARCstation	<code>mount -F hsfs -r /dev/dsk/c0t6d4s0 /cdrom</code>
SUN (Solaris4/x86)	<code>mount -F hsfs -o ro /dev/lofi/l /mnt</code>
IBM RS6000	<code>mount -v cdrfs -r /dev/cd0 /cdrom</code>
Linux (RHEL and SUSE)	<code>mount -o loop file.iso /mnt</code>



Start the application setup on Windows

To start the Application setup on Windows:

1. Log into Windows as a user with Administrator privileges.
2. Create a directory where you will extract all ENOVIA installation media (e.g., `Soft\`).
3. Copy the installer media (e.g., `ENOVIA_Installer-VERSION.PLATFORM.zip`), from the CD or ENOVIA Download page to the directory created in the previous step. Unzip the installer

media in this directory.

Note: When transferring .zip files from the internet, executable files may be silently excluded when unzipping due to Windows security behavior. To avoid this, before unzipping the file, right click in the file, select Properties, then click Unblock.

The core installer files should now be extracted in a new `Installer` directory, such as the following: `Soft\ENOVIA_Installer-V6R2012.Windows64\`

- Copy the application setup media (e.g., `MEDIA_NAME.zip`, where `MEDIA_NAME` includes the name of the ENOVIA application, the `VERSION`, and the `PLATFORM`, from the CD or ENOVIA Download page to the directory created in step 2. Unzip this file in the same directory.

Note: Before extracting the file, right click in the file, select Properties, then click Unblock (see note in step 2, above).

The application setup files should now be extracted in a new `MEDIA_NAME` directory, such as the following: `Soft\ENOVIAEngineeringCentral-V6R2012.Windows64\`

- Change to the `MEDIA_NAME` directory, where the application setup files were extracted in the previous step:

```
cd \Soft\MEDIA_NAME
```

- Change to the `MEDIA_NAME\1\` subdirectory and run the setup program as follows:

- GUI mode:

```
setupV6.exe
```

If the `Installer` directory is not present, an error message is displayed.

You can specify the location of installer files explicitly using the `-installerPath` argument:

```
setupV6.exe -installerPath ENOVIA_INSTALLER_PATH
```

- Console mode:

```
StartTUI.exe
```

If the `Installer` directory is not present, an error message is displayed.

You can specify the location of installer files explicitly using the `-installerPath` argument:

```
StartTUI.exe -installerPath ENOVIA_INSTALLER_PATH
```

- Silent mode:

```
StartTUI.exe --silent SERVER_INSTALL\InstallData\UserIntentions.xml
```

If the `Installer` directory is not present, an error message is displayed.

You can specify the location of installer files explicitly using the `-installerPath` argument:

```
StartTUI.exe -installerPath ENOVIA_INSTALLER_PATH --silent SERVER_INSTALL\InstallData\UserIntentions.xml
```

Silent Installation requires completion of the setup procedure in one of the other two modes (GUI or Console). After installation, the files needed for silent mode are created under `SERVER_INSTALL\InstallData\`. In this directory there is a file called `UserIntentions.xml`, which captures the responses that were manually entered during the prior installation procedure.

Note: If you want to allow the setup to run in a non-empty directory, you must manually modify the `TARGET_PATH` variable in the `UserIntentions.xml` and `InstallData.xml` files. Both of these files are located in the `SERVER_INSTALL\InstallData\` directory.

The application setup program starts in the respective mode.

Continue with [Complete the application setup](#).



Complete the application setup

To complete the application setup:

- Specify where the ENOVIA Live Collaboration Server installation directory files exist.

UNIX/Linux GUI mode:

This is the `SERVERHOME/` directory. If you want to change the location, click **Browse** and select the desired path.

Click **Next** to continue.

UNIX/Linux Console mode:

This is the `SERVERHOME/` directory. If you want to change the location, type in the desired path.

Press **Enter** to continue.

Windows GUI mode:

This is the `SERVER_INSTALL\` directory. If you want to change the location, click **Browse** and select the desired path.

Click **Next** to continue.

Windows Console mode:

This is the `SERVER_INSTALL\` directory. If you want to change the location, type in the desired path.

Press **Enter** to continue.

- Next, choose the destination location for the application files. The default location is displayed.

GUI mode:

If you want to change the location, click **Browse** and select the desired path.

Click **Next** to continue.

Console mode:

If you want to change the location, type in the desired path.

Press **Enter** to continue.

- Specify the name and password of a user having both Business and System Administrator privileges. If the user does not have a password, simply accept the default.

GUI mode:

Click **Next** to continue.

Console mode:

Press **Enter** to continue.

- For some applications, you may need to select the component that you wish to install. For example, for Variant Configuration Central select **Design Manufacturing Configuration Planning**. You must have a license for all components that you wish to install.

Console mode:

Press **Enter** to continue.

GUI mode:

Click **Next** to continue.

- Some applications install schema; many do not. If the application installs schema, you must specify the directory where any custom schema files exist. The default location is displayed.

Console mode:

If you want to change the location, type in the desired file path.

Press Enter to continue.

GUI mode:

If you want to change the location, click Browse and select the desired file path.

Click Next to continue.

Setup has enough information to start copying the program files.

6. Review all of the settings you have made.

Console mode:

If you want to make any changes, type the letter b (for Back) and make the desired changes.

When you are satisfied with the settings, press Enter to begin the installation.

GUI mode:

If you want to make any changes, click Back and make the desired changes.

When you are satisfied with the settings, click Install to begin the installation.

Setup displays the status of the installation while it is in progress.

7. Once the installation is complete, setup informs you with the message:

Setup has finished installing VERSION ENOVIA APPLICATION on your computer
XXX - ENOVIA APPLICATION: installed.

where XXX is the product trigram.

GUI mode:

Click Close to exit setup and close the setup dialog.

Console mode:

Press Enter to exit setup and close the console window.

Note: On Windows, reboot your system.

8. If you have backups of customized properties files, compare your customized files with the new files from the updated version. Either update the new files with your customizations or update your customized files with any new settings.
9. Install the online help. See [Installing ENOVIA Help for Web Applications](#) for details.
10. Run the WAR utility and deploy the application. For information on deploying an application, see ["Deploying the J2EE Archive File"](#).

Installing ENOVIA Help for Web Applications

This topic describes how to install the help for ENOVIA Web applications. Use the procedure below for the following products that no longer include the help when the product is installed:

- ENOVIA Apparel Accelerator for Sourcing and Production
- ENOVIA Apparel Accelerator for Design and Development
- ENOVIA CPG Accelerator for Artwork and Labeling
- ENOVIA CPG Accelerator for Integrated Product Management
- ENOVIA CPG Accelerator for New Product Introduction
- ENOVIA CPG Accelerator for Visual Brand Management
- ENOVIA Component Central
- ENOVIA Component Experience
- ENOVIA Defect Management
- ENOVIA Designer Central
- ENOVIA Engineering Central
- ENOVIA Engineering Configuration Central
- ENOVIA Librarian for CES V5
- ENOVIA Program Central
- ENOVIA Program Change Control
- ENOVIA Requirements Central
- ENOVIA Variant Configuration Central
- ENOVIA X-BOM Component Reuse for CES V5
- ENOVIA X-BOM for Rational ClearCase
- ENOVIA X-BOM Unit Tracking

You can copy the contents of each CD-ROM into a separate folder for each CD-ROM, making sure that the name of each folder corresponds to the CD-ROM number (1, 2 ...).

This task shows you how to:

- [Install the Help on Windows](#)
- [Install the Help on UNIX/Linux](#)

Install the Help on Windows

This task explains how to install the help on a Windows server.

1. Log onto the server that has your ENOVIA Web applications installed.

You need to have administrator privileges to install the online documentation.

2. Insert the media.
3. Use Windows Explorer to explore the documentation media, and double-click the Setup.exe program on the media to start the installation.

The **Choose Destination Location** Window appears. Use **Browse** to find the docv6 directory that is created during BPS installation, in the server staging area. You should browse to:

`SERVER_INSTALL\STAGING\ematrix\docv6`

4. Click the **Next** button to proceed.

The **Documentation Select Software** dialog box appears containing the list of all documentation. All documentation is preselected.

5. Select only the required products in the list.

It is recommended to install help only for the products you have installed on this server, in order to minimize the size of the .war file. You can later rerun the documentation installation to any directory location to get additional documentation that will not be context sensitive.

6. Once your selection is final, click the **Next** button to proceed.

The **Documentation Start Installation** dialog box appears listing the online documentation you are about to install. You will see a list of the selected products.

7. Click the **Install** button to install the documentation.

Once the online documentation files have been copied, the **Documentation Setup Complete** dialog box informs you that the installation has been completed.

Click the **Close** button to exit.

Activate the Java (Sun) Option for Searching with Internet Explorer

This task explains how to activate the Java (Sun) option for searching with Internet Explorer.

In order to be able to use the Search function when browsing on-line help with Internet Explorer, you must first activate the option IE Java(Sun). Otherwise, the Java applet will not appear, and will be replaced by a grey box. To do so:

1. Start Internet Explorer.
2. Select **Tools > Internet Options...**
3. Select the **Advanced** tab.
4. Check the **Java (Sun)** option.
5. Click OK and restart Internet Explorer.



Install the Help on UNIX/Linux

This task explains how to install the help on UNIX or Linux.

The help is provided on a suite of CD-ROMs. Depending on how many products you will install, you may be prompted to insert the next CD-ROM, and click OK to continue the installation until you have inserted the last CD-ROM.

Note that if you click the **Cancel** button before installing the final CD-ROM, the documentation files previously installed will be uninstalled.

1. Logon as root.
2. Verify that you have enough free disk space in the file system in which you intend to unload the help.
3. Insert the CD-ROM into the drive, mount the CD-ROM drive and change directory to the CD-ROM mount point.
4. Enter the command:

```
./start
```

to start the installation procedure.

The **Welcome** dialog box appears. The steps are the same as for Windows.

Upgrading ENOVIA Applications

The installation programs for ENOVIA products recognize previously-installed versions and make the necessary updates to upgrade the application to the new version. Refer to the Program Directory for the given release for additional information on upgrading.

To install a new version of Business Process Services or an application over a previous version:

1. Back up all files and the database.
 - a. Back up the database instance.
 - b. Back up the connection (bootstrap, MATRIX-R) file in the `SERVER_INSTALL` directory.
 - c. Back up the `SERVER_INSTALL\STAGING\` directory. It is especially important to back up any properties you have modified.
 - d. Back up the `SERVER_INSTALL\Apps\Framework\` directory.
2. Install the new version of the ENOVIA Live Collaboration Server in a separate directory, if not already installed.
3. Run the MQL **upgrade** command. See the MQL Guide for details.
4. Exit MQL.
5. Run the **upgrade TNR global** command (to enable mxTNR OOTB) from a new MQL session.
6. Install the new version of the application, following the instructions in [Overview \(Installing ENOVIA Applications\)](#) and [Installing ENOVIA Applications](#), using the MQL of the new version of ENOVIA Live Collaboration Server. See the Program Directory for the software version you are installing for additional instructions.
7. If you have customized properties files, you'll need to compare the backup copies of your customized files with the new files from the updated version. Either update the new files with your customizations or update your customized files with any new settings.
8. Run warutil and deploy the web application on the application server. See [Live Collaboration - Web Application Deployment](#) for details.
9. Run any application ATPs.

Installing an Application Hot Fix

Hot fix installations (*VERSION.HFX*) are available for selected ENOVIA product versions. A hot fix can be installed only over the version of the same name. For example, ENOVIAProgramCentralFoundation-V6R2012.HF2 can be installed only over ENOVIAProgramCentralFoundation-V6R2012 or ENOVIAProgramCentralFoundation-V6R2012.HF1. Hot fix installations are cumulative (i.e., *VERSION.HF3* includes *VERSION.HF1* and *VERSION.HF2*).

Hot fix installation follows the same procedure as the full release installation, but includes only modified files. It is recommended for sites that have customized pages.

Hot fix distributions are full builds and include whole jar files with all the class files, not just classes that were changed from the last major release. During hot fix installation, the classes in the distribution jar files are inserted into the jar file under web root. This ensures that any customized class files are not affected. Before inserting classes, any old class files are backed up and are inserted during uninstall, making the jar file the same as the original. Backing up only changes class files, not the whole jar file.

Related concepts

[Tracking Customizations](#)

Related tasks

[Installing ENOVIA Applications](#)

[Upgrading ENOVIA Applications](#)