

ETI Solution™ 5.1.0

Patch Notice

Regarding Patches for ETI Solution 5.1.0

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1. Overview

ETI™ has developed a process for patching the ETI Solution™, which includes ETI's patented Dialogue Coach™ technology, to address problems that have been identified and need to be fixed between releases of the product. The objective is to provide critical bug fixes with minimum impact on existing MetaStores™, associated conversions, and generated programs.

Note: ETI will clearly identify any patch that modifies program generation or requires a revalidation of existing conversions.

- Patches are implemented for a specific version of the base product; the base product must be loaded prior to installing the patch.
- The next release of the ETI Solution product will include all fixes from prior patches.
- ETI Solution patches can be requested by visiting

<http://www.eti.com/answerlink/request/product.html>

or they can be downloaded from the web.

Patches are Shipped for Each Component

Individual patches may be shipped for each of the ETI Solution components: MetaStore Server, Application Server, Process Server, Integration Architect Client, or Integration Specialist Client. Additionally, there may be a base component patch bundle. This base component patch must be applied to each Server system (MetaStore Server, Application Server, and Process Server).

For Windows systems, ETI Solution patches are shipped as self-extracting executable files. For UNIX systems, patches are shipped as compressed tar files which are installed manually.

Patches are Cumulative

Patches are cumulative; you only need to load the latest patch.

For example, if you are patching release 5.1.0 and you have downloaded both patch 1 and patch 2, then you only need to apply patch 2 to your systems. All the changes shipped as a part of patch 1 will have been automatically included in patch 2.

Patches are Release-Specific

Patches are release-specific and must only be loaded on a system running the same release level.

For example, ETI Solution 5.1.0 patch 2 should only be loaded on a system running the 5.1.0 release. Do *not* load these patches on a system running a release prior to 5.1.0 or a release subsequent to 5.1.0.

Component Patch Naming Conventions

Sometimes there are interdependencies between the component patches. For example, fixing a problem requires changes to both the Integration Specialist Client and Application Server. For this reason, ETI recommends that you load all the component patches at a specific patch level. For example, if there are patches for both the Integration Specialist Client and Application Server, you should make sure that both patches are applied. All component patches will be provided together as a single patch bundle from production or from the web download page.

Component patches are platform-specific and are identified by a two letter designation in the patch file name:

IS - Integration Specialist Client

IA - Integration Architect Client

AS - Application Server

PS - Process Server

MS - MetaStore Server

BS - base components applicable to any ETI Server

For example the Integration Specialist Client release 5.1.0 patch 2 is named `solution_is_rel510p2.exe`.

2. Patch Bundle Installation Instructions

There are three mechanisms used for distribution of ETI Solution patches:

- CD-ROM
- E-mail
- Web download

In each case, the ETI Solution patches are shipped as a patch bundle. The patch bundle is a tarred and compressed file (tgz). The patch bundle will have a name similar to the following:

win_solution_rel510pb1.tgz

The instructions for unbundling the component patches are provided below. After installing the patch bundle, each component patch will need to be applied to the appropriate systems. It is recommended that you install the patch bundles on either the MetaStore Server or a network file server in a directory that is easily accessible to your client systems. This will facilitate installing patches from a centralized location.

The actual location that you select will depend upon your site requirements. For the instructions below, we assume that the patches are installed on the MetaStore Server in the ETI installation area.

Windows

1. Transfer the patch bundle to the %EXTRACT_ROOTDIR%\patch directory on the MetaStore Server or to a shared directory on your network file server.
2. If you have Winzip installed, you can double click on the patch bundle to install on the local system.
3. If you do not have Winzip installed:
 - a) Open an ETI Command Window.
 - b) Untar the patch file:
 - `guntar -zxvf <patch_bundle>.tgz`

UNIX

1. Log in as the ETI Administrator.
2. Change directories (cd) to your ETI installation directory.
3. Set the ETI environment variables:
 - For Korn shell users (the leading period and space are required):
`. ex_env.ksh`
 - For C shell users:
`source ex_env.csh`
4. Change (cd) to the \$EXTRACT_ROOTDIR directory.
5. Untar the patch bundle file:
 - `guntar -zxvf <patch_bundle>.tgz`

3. How to Apply Patches

Once the patch bundle has been installed, you can apply the individual component patches to each of the systems. Some component patches may need to be installed on several machines. For example, patches for the ETI Process Server may need to be installed on the Application Server and on any additional ETI Process Servers, if any. The specific instructions for installing component patches are provided below for each system.

Integration Specialist Client Patches

These component patches are specific to the Integration Specialist Client software. You should install these patches on any ETI Solution client.

Note: If you have *only* installed the Integration Architect Client and are not using the Integration Specialist software, then the Integration Specialist Client patches don't need to be installed on your system.

Additionally, if the Integration Specialist Client software has been installed on the Application Server (optional), then you should install this component patch on the Application Server as well.

- 1) Shutdown all Integration Specialist Clients running on the local system.
- 2) Copy the component patch to the local system or identify the patch file on your network file server.

Patches for the Integration Specialist Client will be named as follows:

`solution_is_VRMp#.exe`

where *VRM* is the release number and *p#* is the patch number.

- 3) Double click on the self-extracting patch file.
- 4) The Install Shield Wizard will run and install the patch components into the correct locations.
- 5) Patching the Integration Specialist Client is complete.

Integration Architect Client Patches

These component patches are specific to the Integration Architect client software. They patch the base software that is installed by default in the `c:/eti/extract/` directory on the client system. You should install these patches on any system that has the Integration Architect Client software installed.

- 1) Shutdown all Integration Specialist clients and Integration Architect applications running on the local system.
- 2) Copy the component patch file to the local system or identify the patch file on your network file server. Patches for the Integration Architect client will be named as follows:

`solution_ia_VRMp#.exe`

where *VRM* is the release number and *p#* is the patch number.

- 3) Double click on the self-extracting patch file.
- 4) Select the Unzip button to extract the patch into the ETI Solution installation directory. By default the installation directory is `c:/eti/extract`.

Note: If you have installed the software in a non-default location, you will need to modify the install path prior to running the Unzip command.

Base Server Patches

These component patches are applicable to all the ETI Servers: ETI Application Server, ETI MetaStore Server, and ETI Process Server. You should install these patches on all ETI Servers.

Windows

Base Server patches for Windows must be installed on any and all ETI Application Servers, ETI Process Servers, and any Windows-based MetaStore Servers.

- 1) To make sure that the patch installs correctly and replaces all the necessary files, you should reboot the system prior to installing patches.
- 2) Double click on the patch file. The patch will be named as follows:

`solution_bs_win_VRMp#.exe`

where *VRM* is the release number and *p#* is the patch number.

- 3) Select the Unzip button.

Note: If you have installed the software in a non-default location, you will need to modify the install path prior to running the Unzip command.

UNIX

Base Server patches for UNIX are only applicable to UNIX based ETI MetaStore Servers.

1. Log in as the ETI Administrator.
2. Make sure that no client tools are running and that no clients are accessing the MetaStore Server.
3. Change directories (`cd`) to your ETI install directory. For example, assuming that ETI software was installed in `/export/home/extract`:

`cd /export/home/extract`

4. Set the ETI environment variables:

- For Korn shell users (the leading period and space are required):

`. ex_env.ksh`

- For C shell users:

`source ex_env.csh`

5. Change (`cd`) to the `$EXTRACT_ROOTDIR` directory.
6. You will need to use the utilities provided with your ETI installation for uncompressing and untarring the patch file. The patch should be transferred, as a binary file, to the `$EXTRACT_ROOTDIR` directory on the UNIX MetaStore Server. If using a network file server, access or copy the patch file to the `$EXTRACT_ROOTDIR` directory. The MetaStore patches will be identified as follows:

`solution_bs_platform_VRMp#.tgz`

where *VRM* is the release number and *p#* is the patch number and *platform* will identify the operating system as AIX, Sol, or HP.

Note: MetaStore Server patches are platform-specific. Therefore, you must make sure that you are installing the correct patch for your operating system.

7. Uncompress the patch file:

```
gunzip ./<patch>.tgz
```

8. Identify the executables and files being replaced by the patch:

```
gnutar -tf ./<patch>.tar
```

9. Rename the executables being replaced by the patch. For example, if the `ex_cc` were being patched, you would want to archive the original file before installing the patch:

```
mv ./rel51/bin/ex_cc ./rel51/bin/ex_cc.org
```

10. Untar the patch file to install the patch files:

```
gnutar xvf ./<patch>.tar
```

11. Delete the patch tar file.

Application Server Patches

These component patches are applicable only to the ETI Application Server. Some patch bundles may ship more than one component patch for the ETI Application Server, depending upon which Application Server files are patched. Make sure that you install any and all Application Server patches provided in the bundle.

1. To make sure that the patch installs correctly and replaces all the necessary files, you should reboot the system prior to installing patches.
2. Install any base patches. See instructions above.
3. Double click on the patch file. The patches will be named as follows:

```
solution_as_VRMp#.exe
```

where *VRM* is the release number and *p#* is the patch number.

4. For application patches, the Install Shield Wizard will run and automatically install the patch files.

Process Server Patches

Process Server patches must be installed on any system where the Process Server is installed. This will include the Application Server, any additional Process Server systems, or any client system that has a local process server installed. Some patch bundles may ship more than one component patch for the ETI Process Server, depending upon which Process Server files are patched. Make sure that you install any and all Application Server patches provided in the bundle.

1. To make sure that the patch installs correctly and replaces all the necessary files, you should reboot the system prior to installing patches.
2. Install any base patches. See instructions above.
3. Double click on the patch file. The patches will be named as follows:

```
solution_ps_VRMp#.exe
```

where *VRM* is the release number and *p#* is the patch number.

4. For application patches, the Install Shield Wizard will run and automatically install the patch files.

4. ETI Solution 5.1.0 Patches

Patch 2 – UNIX

The patch for UNIX includes all of the fixes which shipped with Patch 2 for Windows (for details refer to the next section “Patch 2 – Windows”) plus the following additional fixes:

CR008582 SE Intermittent failure of retrieve schema - AIX platform only.

CR009093 CE Intermittent crash of the CE after generation completes - high performance UNIX servers only.

Patch 2 – Windows

CR008993 TE Fix negative registration count problem for Template Modules experienced internally by all DSL developers.

CR008809 CE Fix some parser initialization problems with respect to business rules on parts in virtual units. These problems are related to the fact that the virtual unit name is distinct from its corresponding Schema Unit name.

CR008939 SE The delimiter value for whitespace is being changed from \w to WHITESPACE for interoperability with the DSL for C/FS DA.

CR008994 CE Source business rules did not list target virtual units.

Patch 1 – Windows

CR008956 SE Format dialog showing incorrect total number of digits.

CR008888 SE Crash when try to delete a schema level prop from prop dialog.

CR008859 SE Exception when entering wild card values in select by criteria dialog.

CR008857 CE Exception when joining a unit and part.

CR008858 CE Exception creating join between two units when part to part join exists.

CR008962 CE Parser initialization problems with respect to business rules on parts in virtual units.

CR008963 CR Conversion Report errors when reporting virtual units.