

# ETI Solution<sup>®</sup> Release Notes

## **Regarding ETI Solution 5.0.2, November, 2002**

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# 1 PLATFORM SUPPORT

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ETI Solution® 5.0.2 is now available to all ETI Solution customers. Evolutionary Technologies International® (ETI™) recommends that existing customers upgrade to this new release as soon as possible to facilitate development and implementation of conversions.

## 1.1 Supported Platforms

For a list of supported platforms for ETI Solution 5.0 please refer to your *ETI Solution Administration Guide, Appendix E*.

## 1.2 Required Operating System Patches

At the time these release notes were written, operating system patches were required for all supported platforms. For the most current list of required operating system patches, select the **Hardware Specs** option on the ETI AnswerLink website:

<http://www.eti.com/answerlink>

Then select the **Required Operating System Patches** option under the **ETI Solution** section.

## 1.3 Obsolete Hardware, Operating Systems, and Releases

ETI Solution 5.0 no longer supports Solaris 2.6.

# 2 PRODUCT INTER-OPERABILITY

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## 2.1 ETI Data System Libraries

ETI Solution 5.0 can be used with any supported ETI Data System Library (DSL) or ETI Starter Kit. The following DSL components are required for use with ETI Solution:

- The DSL for Shared Objects release 4.2.2 (or later) is required.
- The DSL for Tcl Functions 4.2.1 (or later) is required.
- DSL upgrade kits for ETI Solution Version 5
- CETutorial Release 6 or later is required.

## 2.2 ETI•Impact Analyst 5.0

ETI•Impact Analyst 5.0 ships with the ETI Solution 5.0 release and will be automatically installed on the MetaStore™ Server and Integration Architect Client systems.

## 3 INSTALLATION

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To install ETI Solution, follow the installation instructions included in the document titled “Quick Install Guide.html” located on your ETI Solution for Windows distribution CD. You must use Internet Explorer Browser to run the *Quick Install Guide*.

### 3.1 Using NFS Maestro with Integration Clients

If you are using NFS Maestro to provide file system access for your ETI Solution Integration Clients, then special setup may be required to ensure that the Integration Client is able to follow symbolic links correctly. Each file system traversed by the symbolic link must be shared (that is, exported) on the MetaStore Server. Additionally, the Integration Client must map a drive to each exported file system.

### 3.2 Installation on Windows

The **Browse** button for the "Open MetaStore" dialog may not work correctly for Integration Specialist Clients installed on Windows NT or Windows 98. The dialog may return an empty list of directories. The directory browser requires the Microsoft Windows Management Instrumentation (WMI) Core 1.5 to be installed in order to work correctly. This software can be downloaded from the following location:

<http://msdn.microsoft.com/downloads/default.asp?url=/downloads/sample.asp?url=/MSDN-FILES/027/001/576/msdncompositedoc.xml>

### 3.3 Integration Specialist Client Setup for Using the Executive (Optional)

By default the Integration Specialist Client is not configured to run the Executive. This section describes the optional Executive configuration options and steps. In a future release, the following options will be integrated into the installation program.

There are two options available for configuring the Integration Specialist Client to use the Executive:

- **Option 1** — Setup the Integration Specialist Client to use the Executive program files installed on the MetaStore Server
- **Option 2** — Install a local copy of the Executive program files on each Integration Specialist Client

ETI recommends that most Integration Specialist Clients use Option 1. This configuration is recommended when you want to centralize the software to facilitate maintenance, and/or you want to minimize the amount of disk space required to install the Integration Specialist Client. For slightly better performance, you can install the software onto each client system using Option 2. This configuration may be preferable when an Integration Specialist Client is accessing the Application Server and MetaStore Server via a low speed connection such as dial-up or WAN.

Follow the instructions listed in the section below for either Option 1 or Option 2.

#### 3.3.1 Option 1 — Executive Configuration Using Executive Files on MetaStore Server

The Executive uses information stored in the Integration Specialist Client configuration file. To enable the Executive, you must manually update the Integration Specialist Client configuration file. The following example is based on the default share names and installation directories. If you have installed into alternative locations or used alternative share names, you must modify your configuration file appropriately.

The Integration Specialist Client configuration file, **ETISolution.exe.config**, is located by default in the C:\Program Files\ETI\Solution\rel50\Client directory. By default the file looks similar to the following:

```
<configuration>
  <appSettings>
    <add key="ExtractHost"
      value="http://hathor/ETIService50/ETIService.asmx" />
  </appSettings>
</configuration>
```

where **hathor** is the name of the Application Server. You will see the name of your Application Server instead.

In the application settings section (**appSettings**), you will need to add another tag to identify the location where the Executive source files are installed. This entry should be added after the <appSettings> section of the configuration file.

Since your Integration Specialist Client is using the Executive source installed on the MetaStore Server, you would *add an entry* similar to the following marked **in bold** to your configuration file:

```
<configuration>
  <appSettings>
    <add key="ExtractHost"
      value="http://hathor/ETIService50/ETIService.asmx" />
    <add key="Executive" value="g:\" />
  </appSettings>
</configuration>
```

where **g:** is the drive letter mapped to the **eti-extract** share on the Windows MetaStore Server and **hathor** is the name of the Application Server.

### 3.3.2 Option 2 — Executive Configuration Using Executive Files Installed on Integration Specialist Client

Using Windows Explorer, locate the file named **executive.exe** on the 5.0.2 installation CD in the **data** directory. Double-click the file **executive.exe** to run the self-extracting executable. A dialog is displayed with the default installation directory set to **C:\Program Files\ETI\Solution\rel50**.

This installation directory is correct if you accepted the default installation location when you installed the software. If you installed to a different location, then the pathname for extracting the files must be changed to reflect your installation location.

The Integration Specialist Client configuration file, **ETISolution.exe.config**, is located by default in the C:\Program Files\ETI\Solution\rel50\Client directory. By default the file looks similar to the following:

```
<configuration>
  <appSettings>
    <add key="ExtractHost"
      value="http://hathor/ETIService50/ETIService.asmx" />
  </appSettings>
</configuration>
```

where **hathor** is the name of the Application Server. You will see the name of your Application Server instead.

In the application settings section (**appSettings**), you will need to add another tag to identify the location where the Executive source files are installed. This entry should be added after the <appSettings> section of the configuration file. Since your Integration Specialist Client is using the Executive source installed on your local Integration Specialist Client machine, you would *add an entry* similar to the following marked **in bold** to your configuration file:

```
<configuration>
  <appSettings>
    <add key="ExtractHost"
      value="http://hathor/ETIService50/ETIService.asmx" />
    <add key="Executive" value="C:\Progra~1\ETI\Solution\rel150\Executive" />
  </appSettings>
</configuration>
```

**Note** The pathname value for the added entry cannot be specified using spaces (for example **C:\Program Files**) if you used the default install location), but must be specified instead using the 8.3 DOS equivalent, namely **C:\Progra~1**, as shown in the example above. If you have changed the installation location from the default, you can find the 8.3 DOS equivalent pathname for your directory by entering the following command in an ETI Command Window and noting the name displayed for the installation directory:

```
dir /x
```

### 3.4 Requesting Patches, Upgrade Kits and IM Packages

Available product patches, DSL upgrade packages and IM packages are automatically shipped with your DSL distribution CD.

To download or get a listing of currently available patches, upgrades, or IM packages, select the **Software Downloads** option on the AnswerLink site:

<http://www.eti.com/answerlink>

To request shipment of patches, upgrades or IM Packages on CD or via email, you can contact the AnswerLine or use the product order form online: <http://www.eti.com/answerlink/request>

## 4 ETI Solution Documentation

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### 4.1 ETI Solution and ETI•EXTRACT®

ETI is in the process of changing the product name from ETI•EXTRACT to ETI Solution. Some of the documentation has not been updated to reflect the new name.

## 4.2 Addendum for the ETI Solution Documentation

ETI Solution 5.0 ships with an addendum to the ETI Solution documentation. This file is named `solution_addendum_50a.pdf` and is located in the MetaStore Server doc directory with all the other documentation files. This addendum has information of interest to the Integration Architect and ETI Administrator.

The following topics are covered:

- Setup and Use of the Executive
- Administration
- Template Syntax Checker
- Template Functions Override
- Synchronize Conversions: Command line utility for resynchronizing your conversions

## 4.3 Adobe Acrobat Reader

Adobe Acrobat Reader is not shipped with ETI Solution. If you do not have the latest version of Adobe Acrobat Reader, you can download it from the Adobe website, <http://www.adobe.com/>. Locate the link for downloading Acrobat Reader on the Adobe website. (At the time of publication of this document, a “Get Acrobat Reader” icon is located on the Adobe home page.) Select the version for your platform, and include the option for searching PDF files.

# 5 DSL Upgrade Packages Required for ETI Solution

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For most DSLs, a minor change to the retrieve schema scripts is required in order to run the retrieve schema process from the Integration Client. The required changes are provided as a DSL upgrade package. Upgrade packages are available for all currently supported DSLs. In general, DA DSLs release 4.2.1 or later do not require upgrade packages, as all required changes have been incorporated into the released product.

## 5.1 Installing and Loading DSL Upgrade Packages

The following instructions and information is provided for installing and loading DSL Upgrade packages:

- Install the DSL upgrade package into the DSL-Install directory on the MetaStore Server
- Load the DSL upgrade package into each ETI Solution 5.0 MetaStore (new or migrated). You load upgrade packages like a DSL or patch from the DSLs tab of the ETI Administration utility.
- The DSL load program will attempt to automatically identify any patches (DA 4.2.0 or later) or upgrade kits which need to be applied to your MetaStore.
- It is recommended that you load DSL patches and upgrade kits prior to loading Consulting Packages and IM packages. DSL patches and the upgrade packages can be loaded in any order.

- When loading DSLs into a MetaStore, the DSL load program automatically detects available patches and upgrade packages for any DSL. The load program will prompt you to load any available patches and upgrade packages. ETI recommends that you autoloading patches and upgrades for any DSL identified.
- Upgrade packages are release specific and therefore the DSL load program will only allow you to load the packages that are associated with the specific DSL releases loaded in the MetaStore.
- Any changes provided by the upgrade packages will automatically be supplied with the next release of the associated DSL.

## 5.2 Information for Customers Migrating from ETI•EXTRACT

DSL upgrade packages are fully backward compatible and therefore they can be loaded into any MetaStore created under any ETI•EXTRACT release. However, the upgrade package is **only required** for ETI Solution 5.0.

The DSL load program may attempt to autoloading upgrade packages into existing MetaStores. Although upgrade packages are not required for ETI•EXTRACT 4.x MetaStores, ETI recommends that you autoloading patches and upgrades for any DSL identified.

# 6 Updates

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## 6.1 Updates for Release 5.0.2

### 6.1.1 Licensing

Use of the DEMO license file is supported with the 5.0.2 release for a Standalone Configuration.

### 6.1.2 Application Toolbar and Menus

The Show Files button has been added to the application toolbar. This button can be used to show files for a Conversion open in the Work Area or a selected object in the Browser. This option also works for a Schema open in the work area or a workset selected in the browser.

An **Edit->Deselect All** menu item has been added to facilitate deselecting all objects in the Work Area.

- A **View->Refresh** menu item has been added to facilitate updates to the Browser Area.
- The **File->Open Metastore** option now gives you an option to open the MetaStore in the same window you currently have open by making sure the option **Open in New Window** is not selected. If you have a MetaStore already open, all work areas will be closed (you will be prompted to save your changes) and the MetaStore will be closed prior to opening the new MetaStore.

### 6.1.3 Browser

- Ability to import objects from the Integration Specialist client. The **Import** command is located on the Tools menu.
- Improved refresh of the workset and object display for new/modified objects
  - In prior releases, the Browser did not always update the display correctly for new/modified objects
- Show Info dialog now displays information on the last person to modify an object.

### 6.1.4 Conversion Work Area

- Ability to replay business rules for selected components or the entire conversion. Business Rule indicators in the Table and Detail Areas are automatically updated to identify incomplete Business Rules and autoreplayed Business Rules. A log file is created each time you replay and contains the complete details.
- Joins can be displayed in the Detail Area. This allows the user to view or change the properties that are set by the merge wizard. This also allows the user to add site specific properties for the join.
- A new command **Conversion->Conversion Details** has been added for displaying the Conversion level information in the Detail Area. This will display information about codeblocks that are attached to the Conversion, the Conversion annotation and properties set on the Conversion object itself. Conversion information is automatically displayed in the detail area when nothing is selected.
- The **Conversion Properties** and **Object Properties** commands have been combined into a single command **Conversion->Properties**. This command will display the properties for the selected object. If no object is selected, then the properties set on the Conversion object are displayed.
- The right click menu on the Conversion tab provides common operations for a Conversion such as Show Files, Conversion Details and Properties set on the Conversion object.
- Edit/copy/paste virtual parts.
- **File->Save As** no longer creates read-only objects.

### 6.1.5 Schema Work Area

- Ability to open any schema with the Integration Specialist client as the default behavior.
- The **Files->New** option for schemas defaults to invoking retrieve schema.
- Ability to set property values.

### 6.1.6 Retrieve Schema

- It is no longer necessary to copy Host and Installation objects into the local workset prior to retrieving a schema. The client can now locate the available objects in the workset hierarchy.

### **6.1.7 Executive and Conversion Compiler**

- Ability to run the Executive from the Integration Specialist Client is supported with the 5.0.2 release, however some manual steps are required for this support. See section 3.3 “Integration Specialist Client Setup for Using the Executive (Optional)” for detailed instructions.
- Executive window, Conversion Compiler output window, and other text windows had text size limitations. These were changed to allow unlimited display of text information.

### **6.1.8 Preferences**

- Schema
  - Allow Integration Architects to select whether opening a schema object will be done using the new or the old schema editor.
  - Allow user to specify the location where schema input files exist. This allows the user to have a shared directory for multiple MetaStores. By default, the client assumes that all input files are located in the MetaStore’s DAS directory.
  - Allow user to select if the schema object should be automatically opened into the work area following retrieve schema. The default is “yes”.

## **6.2 Updates for Release 5.0.1**

### **6.2.1 Preferences**

Additional preferences were incorporated into the 5.0.1 release:

- Conversion Work Area
  - New preferences for rollover text
  - Ability to disable warning indicator for auto-replayed Business Rules
  - Ability to disable autoexpand on new part mappings
- Browser
  - Ability to disable rollover text for objects and worksets
  - Options for displaying fully-qualified object names, version number, and newer version indicator in the Browser area

### **6.2.2 Browser**

- Ability to delete objects in the Browser
- Info Dialog is resizable

### **6.2.3 Conversion Work Area**

- Ability to delete joins from the graph view using the right click menu
- Properties dialog did not allow input of non-alphanumeric characters (for example the underscore ‘\_’)

## 7 Known Limitations

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The following is a list of known limitations with the ETI Solution 5.0.2 release.

### 7.1 Preferences

Most of the *general* preferences will not take effect until the MetaStore is reopened. This will be fixed in a future release.

### 7.2 Browser

- The Browser Area for the Integration Specialist Client provides most operations used by both the Integration Architect and Integration Specialist. The following operations are limited to the Integration Architect Client:
  - Running registered tools.
  - Patch Overrides/Overrides patch
  - Creating the SQL Retrieve Schema script for relational databases.
- Checkin/checkout/uncheckout
  - Only a single object can be selected at this time for the checkin, checkout, and uncheckout commands.

### 7.3 Access Control within a MetaStore

- The Integration Specialist Client does not display access control information in the Browser Area or Object Info Dialog.
- The Integration Specialist Client does not currently enforce access control settings for viewing and modifying objects
- The Preferences dialog does not reflect access control settings in the personalized workset view or personalized object views.

### 7.4 Merge Wizard & Joins

#### 7.4.1 Sequence Numbers

- The user interface has been updated to allow you to specify sequence numbers for relational intra-database joins. However, this information is not yet utilized in generating code. An upcoming release will use these sequence numbers to control the order in which ETI Solution performs the joins for merging the data.
- Sequence numbers are not applied to navigational joins (joins that represent parent-child relationships). If you set a sequence number on this type of join, it will be ignored by the Generator.
- If the same join is applied to the merge logic for two different target units, then only a single sequence number can be set. You must ensure that the sequence number is set appropriately for the processing of both targets. Alternatively, you can use virtual units to achieve greater control over join processing.

## **7.5 CodeBlock Work Area**

### **7.5.1 Paste from Word documents**

If you copy and paste text from a Word document into the codeblock editor, you will corrupt the codeblock.

## **7.6 Schema Work Area**

Currently, the schema is not fully implemented for the Integration Specialist Client. You can open any schema object and set properties. You can also set date formats for COBOL/FS schemas. However, creating joins, ghost tables, and other advanced schema operations should be performed from the Integration Architect Client.

### **7.6.1 COBOL/FS Date Formatting**

It is recommended that you select **either** the Integration Architect or Integration Specialist Client for retrieving the COBOL/FS schemas. If you use the Integration Specialist Client for setting date formats and then re-retrieve or merge the schema from the Integration Architect client, you may experience a loss of date formats or inconsistent results.

## **7.7 Retrieve Schema**

The retrieve schema process for the DSL for SAP R/3 and the Starter Kit for COBOL/IDMS can only be run from the Integration Architect Client. This will be addressed in a future release.

# **8 INFORMATION FOR USERS UPGRADING FROM 5.0.0 or 5.0.1 RELEASES**

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## **8.1 Migrating Your Preferences File (Optional)**

With the 5.0.2 release we have moved the location where the user specific preferences are stored. If you are upgrading from a prior 5.0 release, you will lose your user specific preferences. To migrate your preference file from the 5.0 release to the 5.0.2 release, copy the Preferences.xml file located in:

C:\Documents and Settings\user\Application Data\Evolutionary Technologies International, Inc\ETI Solution(tm) Version 5

to the directory:

C:\Documents and Settings\user\Application Data\Evolutionary Technologies International, Inc\ETI Solution Version 5

## 8.2 Uninstalling Windows Components

There have been changes to all the components which ship with the ETI Solution 5.0.2 release. Therefore, if you are upgrading from a prior release of ETI Solution you must uninstall all the Windows components prior to installing 5.0.2. Detailed uninstall instructions are provided in the *Quick Install Guide* located on your Windows installation CD.

## 8.3 Confirming Deletion of the Application Server Directory

After uninstalling the Application Server software, make sure that the C:\Program Files\ETI\Solution\rel50\Application Server directory has been removed from your system,

where **C:\Program Files** indicates the default installation location for the Application Server software on your Application Server. If you did not use the default location, then the pathname shown above must be changed to reflect your alternate installation location.

If the directory was not automatically removed, then you must manually delete it prior to installing the 5.0.2 software.

If this directory is not removed, then you may experience problems connecting to the Application Server after upgrading to 5.0.2.

# 9 INFORMATION FOR USERS UPGRADING FROM 4.x RELEASES

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## 9.1 ETI•EXTRACT 4.x Releases

ETI Solution can be installed on the same system that has ETI•EXTRACT installed.

## 9.2 MetaStore Compatibility

If you are upgrading to ETI Solution 5.0, you must migrate your MetaStore. Please see the “Moving and Migrating MetaStores” chapter in the *ETI Solution Administration Guide*.

## 9.3 Generator (Conversion Compiler)

The Generator is backwards compatible with optimization levels 0-4. It is not necessary to regenerate or revalidate any existing conversions when upgrading to release 5.0.

## 9.4 Export File Format

The export file format for Conversion objects has been modified with the ETI Solution 5.0 release. This was done in support of new features and functions in the 5.0 release. Therefore, it is not possible to export conversions developed with ETI Solution 5.0 and import them into an older release of ETI•EXTRACT automatically.

## 9.5 Licensing for DSLs, DSL add-on products, and Custom DSLs

With the ETI•EXTRACT 4.2 release, all DSLs, DSL add-on products, and custom DSLs are licensed. The licensing is controlled by a FEATURE line in the FLEXlm license file. Customers upgrading to ETI Solution 5.0 from releases **4.1 and prior** will need to ensure that they have an updated license file which supports DSL licensing. The updated license file is backward compatible with prior ETI releases. Therefore, the license file can be installed for use with both ETI Solution and any prior release of ETI•EXTRACT.

## 9.6 ETI•Impact Analyst

ETI•Impact Analyst ships with the ETI Solution 5.0 release and will be automatically installed on the MetaStore Server and Integration Architect Client systems. If your site uses the ETI•Impact Analyst product, you must upgrade to ETI•Impact Analyst release 5.0 for use with the ETI Solution 5.0 release. The MetaStore components for ETI•Impact Analyst have been re-released. The MetaStore component, impact\_analyst.IANALYST\_5\_0\_0\_2, should be loaded via the DSL load process after any MetaStores have been migrated to ETI Solution 5.0.

## 9.7 Syntax Changes for Custom Tcl Functions

ETI Solution release 5.0 for UNIX platforms ships with version 8.0 of Tcl. This release of Tcl contains bug fixes and enhancements. See the following web page for differences:

<http://www.scriptics.com/doc/compiler.html>

The 8.0 version of Tcl contains a more restrictive syntax checker. Therefore, customers migrating from releases prior to ETI•EXTRACT release 4.2 on UNIX platforms must:

- Upgrade their Tcl functions DSL to release 4.2.1 or later.
- Verify that custom Tcl functions, created by the customer, are compliant with the required Tcl syntax.