

# ETI Data System Library for Shared Objects

## Release Notes

**Regarding ETI Data System Library for Shared Objects Version 4.3.1**

**April 2005**

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## 1.0 Shared Object Changes for 4.3.1

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ETI made changes in the ETI Data System Library (DSL) for Shared Objects to support the new Integration Analyst role and the Mapping Specification Work Area. The changes to Shared Objects are backward compatible with all supported prior releases.

### NT Operating System Object Changes

- A new File Name Syntax **ms-html** is added to the NT operating system. This syntax is used by the Mapping Specification Report Templates.

### Default Global Data Object Changes

- The default Global Data object ships with default Business Logic attached. Business Logic grammars are used by the Mapping Specification Work Area.

### Mapping Specification Object Changes

- Graphic files used by the Mapping Specification Report are shipped and installed into the MetaStore files area in the reports/images directory.
- The Mapping Specification Report Template is included, but will not be generated by default.

### Default Host Objects Ship without Connections

- ETI Solution 5.2.2 no longer requires host connections for generation. If no host connections are specified, then it is assumed that all hosts used in the conversion have bi-directional connectivity. In support of ETI Solution 5.2.2, default hosts are shipped without host connections.

## 2.0 Shared Object Changes for 4.3.0

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ETI made minor changes in the ETI Data System Library (DSL) for Shared Objects to enable compatibility with ETI Data System Libraries DA 4.3.

### Executive Changes

The Executive scripts are now distributed as a separate DSL component product which is automatically loaded into MetaStores in conjunction with the DSL for Shared Objects 4.3. This change was made to facilitate releasing and distributing patch fixes for the Executive.

### Execution Plan Template Changes

- Corrected an error with `if_GE` when do release number comparisons in the plan template.

## HTML Report Template Changes

- Change use of term “filter” to the new terminology – “business rule”
- The html reports layout ifile is not an active link and should not look like one. Removed the underline and made a header.
- The html reports Useful Links is not an active link and should not look like one. Removed the underline and made a header.
- The html reports contains a header "mapping" above each part. This should only be at the top.

## 3.0 Shared Object Changes for 4.2.5

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This release of Shared Objects is backward-compatible with all supported DSL, ETI Solution® Version 5, which includes ETI’s patented Dialogue Coach™ technology, and ETI•EXTRACT® releases.

### Executive Changes

- Changes to the login\_to\_<os>\_<login\_util>.ep scripts to optimize multiple node logins.
- Changes to the rcopy\_to\_<os>\_<login\_util>.ep scripts to optimize multiple node file copies.
- Changes to the delete.ep scripts to optimize file deletion.
- Changes to the run.ep scripts for to synchronize/optimize execution run.

### Execution Plan Template Changes

- Changes to execution plan Template for ETI Solution 5.1 releases

*where:*

<os> is one of mvs, unix, or nt

<login util> is one of ftp or telnet

## 4.0 Shared Object Changes for 4.2.4

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This release of Shared Objects is backward-compatible with all supported DSL, ETI Solution Version 5, and ETI•EXTRACT® releases.

### Executive Changes

- Execution script changes to use native TCL 'cd' (change directory) command rather than use system 'cd' command.
- Changes to the login\_to\_nt\_telnet script to resolve login issues.
- Changes to execution plan for ETI Solution 5.x releases.
- Changes to rcopy\_nt\_ftp.ep script to prevent needless copying of files across the network
- Changes to rcopy\_unix\_ftp.ep script to prevent needless copying of files across the network

### Report Template Changes

- Changes to the base report template to avoid a divide-by-zero error.

### Language Object Changes

- Updated reserved words for BTEQ language.
- Added space as illegal character for cobol74 language.

## 5.0 Shared Object Changes for 4.2.3

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This release of Shared Objects was not GA released.

## 6.0 Shared Object Changes for 4.2.2

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This release of Shared Objects is backward-compatible with all supported DSL and ETI•EXTRACT® releases.

### Executive Changes

- Execution script support for Win95 has been removed. It is no longer supported.
- Execution script support for OS/2 has been removed. It is no longer supported.
- Execution plan files have been improved to support copying message program files (for COBOL-based DSLs) to multiple hosts.
- Execution plan files have been improved to support copying exfns files (for C-based DSLs) to multiple hosts.

## Host Object Changes

- Removed `shell` language selection from `nhost` object.
- Removed `exm` language selection from `mvshost` object.

## Operating System Object Changes

- Added HTML file syntax for `mvs` operating system object.
- Replaced missing period (‘.’) on Ext. Prefix for `mp-cbl` file name syntax in `unix` operating system object.

## New Features

Even though users may deselect the **conversion report** option when using the **Generate Programs...** menu selection, it forces the conversion compiler not to generate any files in the report step. If report files are desired, users may control which type of report file to generate (standard text, html or both) through the use of `report_generate_text` and `report_generate_html` conversion properties.

### *Text Reports*

Text report files may now be turned on or off via a property, depending on preference for them. Use the `report_generate_text` property to control this.

#### **report\_generate\_text**

Purpose:	Determines whether a text report file should be generated for the conversion. A value of <code>true</code> generates the text report.
Values:	<code>true</code> or <code>false</code> (shipping default is <code>true</code> )
Set on:	Global Data (default) or Conversion level
Related properties:	<code>report_generate_html</code>

## ***HTML Reports***

The HTML reporting support has been moved from the ETI•Accelerator™ for Parallel Processing product to Shared Objects, thus making the HTML reporting available to all DSL products. This section is intended to highlight simple instructions for turning on and using the HTML reporting feature.

1. There is a graphical component used by the HTML report which generates GIF images of the conversion generated. The tool that makes this possible is called Graphviz and is available from AT&T Labs-Research. It can be downloaded at no charge from the following web site:

<http://www.research.att.com/~north/graphviz/download.html/>

Make certain to download Graphviz for the appropriate platform on which you have installed ETI•EXTRACT. ETI performed testing using Graphviz 1.7.12 for Windows.

If you choose not to download this software, you will need to make sure the property `conv_report_suppress_image` is set to `true` on the Global Data object (see properties below). The HTML reporting feature may be used without this component, which only provides a graphical view of the conversion. All text and hyperlinks still work without it.

2. Set the following conversion properties. All these properties are optional.

### **report\_generate\_html**

Purpose:	Determines whether an HTML report file should be generated for the conversion. A value of <code>true</code> generates the HTML report.
Values:	<code>true</code> or <code>false</code> (shipping default is <code>true</code> )
Set on:	Global Data (default) or Conversion level
Related properties:	<code>report_generate_text</code>

### **conv\_report\_suppress\_image**

Purpose: Determines whether a GIF image of the conversion should be created. This property may be set to false if the Graphviz software has been installed.

Values: true or false (shipping default is true)

Set on: Global Data (default) or Conversion level

Related properties: report\_generate\_html

### **report\_level**

Purpose: Displays properties, CIPs, Codeblocks, and their values.

Values: any one value ranging from 1 – 4, as follows:  
1 or 2 : Do not include CIP or Code block.  
3 : Output Codeblock label or first twenty-five characters of the property or CIP  
4 : Print all of the property, CIP, or Codeblock  
If no value is specified, 3 is the default.

Set on: Conversion level

Related properties: report\_generate\_html

### **report\_company\_name**

Purpose: Set this property to place a title at the top of the document, usually the company name.

Values: Company name or any title desired for the HTML report. No default value is provided. If left blank, this property is ignored.

Set on: Conversion level

Related properties: report\_generate\_html

## **report\_web\_1, report\_web\_2, report\_web\_3, report\_web\_4**

Purpose:	This is the actual web page address (URL) for the above description. Up to four web pages available.
Values:	Any URL web address. Default shipping for report_web_1 is <a href="http://www.eti.com/">http://www.eti.com/</a> .
Set on:	Global Data (default) or Conversion level
Related properties:	report_generate_html, report_web_1_desc, report_web_2_desc, report_web_3_desc, report_web_4_desc

## **report\_web\_1\_desc, report\_web\_2\_desc, report\_web\_3\_desc, report\_web\_4\_desc**

Purpose:	This is the description of the web pages. Up to four web page addresses available.
Values:	Any description for a given web address (see report_web_# property) Default shipping value for report_web_1_desc is <i>ETI Home</i> .
Set on:	Global Data (default) or Conversion level
Related properties:	report_generate_html, report_web_1, ..., report_web_4

## **7.0 Shared Object Changes for 4.2.1**

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This release of Shared Objects is backward-compatible with all supported DSL and ETI•EXTRACT® releases.

### **nt Operating System Object Changes**

The hyphen character ('-') has been removed from the list of illegal characters for the **nt** Operating System object, since the dash is a legal character for the Windows NT operating system.

## 8.0 Shared Object Changes for 4.2.0

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This release of Shared Objects is backward-compatible with all supported DSL and ETI•EXTRACT releases.

### Executive Changes

- The Expect script `ex_exec/unix/copy.ep` checks for the existence of a destination path. If it is not found it reports that the path does not exist. The script has been modified to report that the destination path does not exist.
- Calls to “send” have been updated to provide a `\r` (carriage return) instead of the `\n` (newline) to address commands timing out in telnet under Windows.

### Host Object Changes

- *nthost* — added the language “proc” to the list of valid languages, for Oracle on the NT.
- *unixhost* — added the language “exm” to the list of valid languages.

### Operating System Object Changes

- *nt* — added “html” to the file name syntax list.
- *unix* — added “html” to the file name syntax list.

Note that the html syntax was added for future use.

### Global Data Object Changes

The following changes have been made to the Global Data object *default\_global*:

- Added `unknown` to the list of data types. This type will be available within the DAS object as a recognized type under EX type.
- Added `merge_match` property to handle matching conditions during a merge.

**Note:** Be aware that if you have made changes to the Global Data object *default\_global*, and checked it in to the System workset, installation of the new Shared Objects release will overwrite *default\_global* and your changes will be lost. Note also that if you have made changes to the *default\_global* Global Data object and not checked it in to System, loading the new Shared Objects will fail because it cannot update *default\_global*. Before loading the new Shared Objects, you should ensure that *default\_global* is checked in to System and identify any changes made to *default\_global*. Identified changes should be re-applied after loading the new shared objects, or you should create a custom Global Data object with the identified changes (see the next paragraph).

Rather than modify the *default\_global* Global Data object, you can create your own Global Data object(s) to customize defaults for a MetaStore, a Workset hierarchy, or a single workset. To do so, copy the *default\_global* object to the workset where you want the customizations to apply. Open the

*default\_global* object within that workset and choose **Save As** from the **File** menu to specify a new name. From the **Displaying Workset** window, select the newly created Global Data object and then choose **Set Global Data** from the **File** menu. You can then make modifications to the newly-created custom Global Data object which will apply to that workset and any child worksets.

The current *default\_global* Global Data object sets default merge properties for `merge_duplicates`, `merge_nomatch`, and `merge_match` to 1 (warn and skip), 2 (warn and include) and 4 (don't warn and include) respectively. Note that setting `merge_duplicates` to 1 (warn and skip) can result in loss of duplicates unless this property is overridden on the conversion itself.

If you do not want to skip duplicates, you should set the property `merge_duplicates` to 2 or 4 on your conversions, or if you want this change for *all* conversions, set the property on the Global Data object(s).

**Note:** if you change these properties on the *default\_global* Global Data Object, it will affect all your existing conversions.