

ETI•Accelerator for C/MQSeries

Release Notes

Revision 4.2.1

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1 PREREQUISITES

The ETI•Accelerator for C/MQSeries 4.2.1 is now available to all Evolutionary Technology International® (ETI™) customers. The ETI•Accelerator for C/MQSeries uses a simple and consistent application programming interface to facilitate the transfer of program data across a network of components—processors, operating systems, subsystems, and communication protocols.

Note With the ETI•Accelerator for C/MQSeries, you can access MQSeries queues for ifile transport *only* and not as a data source and target.

For details about installing and using the product, refer to Chapter 24, “Using the ETI•Accelerator for MQSeries” in the *ETI Data System Library DA: Procedures* manual.

This Accelerator requires the following products to be at the indicated release number *or later*:

- **ETI•EXTRACT® Tool Suite Release 4.2.2** or **ETI Solution® Version 5.0.0**. Required to ensure that the DSL will generate the expected code.
- **Shared Objects 4.2.2**. This component will be loaded automatically during the installation of the DSL when you select the option to auto-load the prerequisites.
- **TCL Functions 4.2.1**. This component will be loaded automatically during the installation of the DSL when you select the option to auto-load the prerequisites.
- **C Intermediate Actions 4.2.1**. This component will be loaded automatically during the installation of the DSL when you select the option to auto-load the prerequisites.

One of the following DSLs is also required:

- **DSL for C/ORACLE DA 4.2.1**. Required only for using MQSeries queues as ifiles with C/ORACLE.
- **DSL for C/DB2 DA 4.2.1**. Required only for using MQSeries queues as ifiles with C/DB2.

2 DSL INSTALLATION

This release of the ETI•Accelerator for C/MQSeries addresses installation and configuration issues by removing the manual template library attachment process altogether and replacing it with one of the following automated processes, depending on which release of ETI software you are using:

- Auto-Attachment option — requires ETI Solution Version 5.0.0 or later
- Consultant Package option — requires ETI•EXTRACT Tool Suite Release 4.2.2 or later

See section 2.3 of this document for using the Auto-Attachment option or section 2.4 for using the Consultant Package option.

Note The Auto-Attachment option is compatible only with ETI Solution Version 5.0.0 or later, while the Consulting Package option makes available a similar level of automation to prior releases of ETI•EXTRACT.

The Auto-Attachment feature does not attach Grammar Extension Modules (GEMs). See “Installing Filter Property GEMs” in Chapter 24 of the *ETI Data System Library DA: Procedures* manual for details about attaching the appropriate GEMs.

2.1 If You Do Not Have the DSL for C/ORACLE or C/DB2 DA 4.2.1 Installed

In this case, MQSeries will automatically install the DSL for C/ORACLE OR C/DB2 DA 4.2.1 first, then itself; finally it will try to use the Auto-Attachment option, as described in section 2.3 of this document. Please skip to section 2.3 for details.

If the DSL for C/ORACLE OR C/DB2 DA 4.2.1 is already installed, please continue to section 2.2 of this document.

2.2 If You Already Have the DSL for C/ORACLE or C/DB2 DA 4.2.1 Installed

This release of the ETI•Accelerator for C/MQSeries introduces an easier form of installation, which not only loads the necessary support code for C/MQSeries but also handles the configuration and attachment of the template libraries to all of the affected Template Definitions in the DSLs. This new feature eliminates the manual steps outlined in the section “Installing the C/MQSeries Libraries” in Chapter 24 of the *ETI Data System Library DA: Procedures* manual. Section 2.3 outlines the details of the Auto-Attachment option.

Use the ETI Administration Tool to load the ETI•Accelerator for C/MQSeries 4.2.1 and follow the steps in section 2.3 below.

2.3 Using the Auto-Attachment Option

1. If the ETI software release supports auto-attachment of libraries (ETI Solution Version 5.0.0 or later) and the DSL or Accelerator (such as C/MQSeries) contains an attachment file (attach.cmq_s_da) in the *pkgdef* directory of the MetaStore™, the installation script will attach the Template Libraries in the attachment file provided the Template Definitions can be checked out to the ETI-Install workset.
2. If auto-attachment is not supported (ETI•EXTRACT release 4.2.2 and prior releases) the following message is displayed:

```
This Extract release does not support Library attachment files.  
The Template Libraries will have to be manually attached.
```

If this message appears, use the Consultant Package installation described in section 2.4.

3. If a Template Definition check-out to the *ETI-Install* workset fails, the following message is displayed for each Template Definition that cannot be checked out:

```
Check out of Template Definition name to System/ETI-Install failed.
```

The Template Libraries will not be attached to the Template Definitions listed by this message.

4. If the DSL successfully loaded but was unable to attach all of the Template Libraries (that is, some Template Definitions could not be checked out to *ETI-Install* workset), the attachment can be retried after correcting the problem by the following method:

a. Attempt to reload the C/MQSeries Accelerator product.

b. Answer **no** when prompted with:

The same version of the product *dsl name* is already loaded in *MetaStore path*.

Do you want to reload the product?

c. Answer **yes** when prompted with:

There is a Template Library attachment file for the product *dsl name*.
Do you want to reload the attachment file?

2.4 Using the Consultant Package Option

This package is intended to replace the manual steps for attaching C/MQSeries Template Libraries to C/ORACLE or C/DB2 DA 4.2.x Template Definitions, as outlined in the section “Installing the C/MQSeries Libraries” in Chapter 24 of the *ETI Data System Library DA: Procedures* manual. As a result, the installation outlined here *replaces* all other ETI•Accelerator for C/MQSeries 4.2.x installation instructions.

The Consulting Package names are **CP_coramqs_421_Install** and **CP_cdb2mqs_421_Install**. Install one or both depending on the DSLs you have in your MetaStore. Both should work with the ETI•Accelerator for C/MQSeries version 4.2.0 and later. If the packages are not already shipped with the Accelerator, they are available by request from the Answerline.

There are a total of 14 Template Definitions (not including the common C-header and static files) for each package that require C/MQSeries Template Library attachments. The manual approach can be a tedious and error-prone activity that is eliminated with the installation of this package. Template Definitions that are affected are as follows:

DSL for C/ORACLE DA Template Definitions:

- | | |
|-------------------------|--------------------------|
| • coracle_c_pop_da | • coracle_c_qry_da |
| • coracle_sh_pop_cmp_da | • coracle_bat_pop_cmp_da |
| • coracle_sh_pop_exe_da | • coracle_bat_pop_exe_da |
| • coracle_sh_pop_std_da | • coracle_bat_pop_std_da |
| • coracle_sh_qry_cmp_da | • coracle_bat_qry_cmp_da |
| • coracle_sh_qry_exe_da | • coracle_bat_qry_exe_da |
| • coracle_sh_qry_std_da | • coracle_bat_qry_std_da |

DSL for C/DB2 DA Template Definitions:

- cdb2_c_pop_da
- cdb2_sh_pop_cmp_da
- cdb2_sh_pop_exe_da
- cdb2_sh_pop_std_da
- cdb2_sh_qry_cmp_da
- cdb2_sh_qry_exe_da
- cdb2_sh_qry_std_da
- cdb2_c_qry_da
- cdb2_bat_pop_cmp_da
- cdb2_bat_pop_exe_da
- cdb2_bat_pop_std_da
- cdb2_bat_qry_cmp_da
- cdb2_bat_qry_exe_da
- cdb2_bat_qry_std_da

C-Header and Static file Template Definitions:

- c_pop_hdr_da
- c_pop_static_da
- c_qry_hdr_da
- c_qry_static_da

Simply load the ETI•Accelerator for C/MQSeries product into the MetaStore via the Administration Tool, then import the appropriate package into the ETI-Install workset. For details on how to import a package, refer to Chapter 12 of the *User's Guide*. Be sure you have edit permission on all the relevant Template Definitions listed above before importing the package.

If there is any conflict with custom code (custom Template Libraries attached to these Template Definitions), you must perform additional corrective adjustments after the package installation to synchronize your customizations with the newly imported Template Definitions, as they will not be attached automatically.

3 IMPORTANT NOTICES

3.1 Auto-Attachment

The Auto-Attachment option for Template Libraries is only compatible with ETI Solution Version 5.0.0 and later. Prior versions of ETI•EXTRACT should use the Consulting Package option to attach the Template Libraries to Template Definitions. If for some reason the Auto-Attachment and Consulting Package options cannot be used, follow the manual procedure for attaching the libraries, as described in the *ETI Data System Library DA: Procedures* manual. Also see section 3.2 of this document.

3.2 Documentation Addendum

This section contains documentation errata and updates since the release of the *ETI Data System Library DA: Procedures* and *ETI Data System Library DA: Reference* manuals. Please review the updated information below.

Table 24-8 “Names of Template Objects for the COBOL/MQSeries Libraries” on page 24-29 of the *ETI Data System Library DA: Procedures* manual has an incorrect title. The correct title for Table 24-8 is “Names of Template Objects for the C/MQSeries Libraries”. In addition, Table 24-8 has incorrect information. The corrected information is shown in the following table (items within boxes indicate changes):

In the Template Definition...	Select the Template Library...	Add the library...
c_pop_hdr_da c_pop_static_da c_qry_hdr_da c_qry_static_da	layout_c_42	layout_mqs_42
c_pop_static_da c_qry_static_da	layout_c_msg_log_42	layout_c_static_mqs_42
coracle_c_pop_da coracle_c_qry_da cdb2_c_pop_da cdb2_c_qry_da	ifile_c_ff_42	ifile_c_mqs_42
cdb2_sh_pop_cmp_da cdb2_sh_pop_exe_da cdb2_sh_pop_std_da cdb2_sh_qry_cmp_da cdb2_sh_qry_exe_da cdb2_sh_qry_std_da	sh_db2_42	sh_c_mqs_42
cdb2_bat_pop_cmp_da cdb2_bat_pop_exe_da cdb2_bat_pop_std_da cdb2_bat_qry_cmp_da cdb2_bat_qry_exe_da cdb2_bat_qry_std_da	sh_common_ff_42	sh_common_mqs_42
coracle_sh_pop_cmp_da coracle_sh_pop_exe_da coracle_sh_pop_std_da coracle_sh_qry_cmp_da coracle_sh_qry_exe_da coracle_sh_qry_std_da	sh_coracle_42	sh_c_mqs_42
coracle_bat_pop_cmp_da coracle_bat_pop_exe_da coracle_bat_pop_std_da coracle_bat_qry_cmp_da coracle_bat_qry_exe_da coracle_bat_qry_std_da	sh_common_ff_42	sh_common_mqs_42

4 RELEASE 4.2.1

4.1 Purpose

The primary purpose of this release is to simplify the installation process by eliminating the manual procedures required to attach template libraries to template definitions. It has also been enhanced to work compatibly in single-step mode with the DSL for C/ORACLE DA 4.2.1 and the DSL for C/DB2 DA 4.2.1.

4.2 Limitations

The ETI•Accelerator for C/MQSeries 4.2.1 uses MQSeries queues for ifile transport purposes only. It does not access MQSeries queues as a source or target database.