Cleo EEI™

Installation Guide

Detailed instructions to update Cleo EEI Release v7.1 to the current PTF level.

May 2017

Table of Contents

Disk Storage Requirements

The approximate disk storage requirements for EEI Release v7.1 are:

Install Library	578 MB	Can be deleted after a successful install
Code and Files Library	1225 MB	
Tutorial Library	2 MB	Optional
WebFacing Objects	68 MB	Optional

The minimum required O/S level is V7R1 or higher.

Updating EEI with the Current PTF

Before You Begin

- Before beginning the process, ensure that no other users are signed into the Cleo environment.

- If you are utilizing Cleo Dashboards (v3.1 and higher), the Dashboard Server must be stopped before running the update. Failure to stop the server may result in the update ending in error.

Procedure

1. Sign on to a System i session as the system security officer.

   Ensure system value QALWOBJRST is set to *ALL. The *ALL value allows the restore of all objects regardless of security sensitive attributes.

2. Type WRKOBJLCK OBJ(EXTSYS) OBJTYPE(*LIB) and press Enter to make sure that no one is using the EXTOL system. The only job, if any, should be the current job.

   > Note: In order to ensure that all potential users of the Cleo system (including automatic calls to system) do not attempt to use the system until this process has completed, the update process will obtain exclusive locks on certain critical objects in the libraries.

   Type WRKOBJLCK OBJ(EXTSYSF) OBJTYPE(*LIB) and press Enter to make sure that no one is using the EXTOL files library.

3. Type SAVLIB and press F4 to prompt the Save Library command, which allows you to back up the EXTSYS and EXTSYSF libraries. Set the Save active parameter (SAVACT) to *NO.

Note: If the upgrade process does not complete (perhaps due to media error, device failure, or general system failure), you may be required to restore the previous version of EEI.

A save of connection data is not a library backup! Also, do not use the Save Changed Objects command (SAVCHGOBJ).

4. Check the RSTLIB printout – you must verify that all objects were restored to EXTINSTALL.

Type WRKJOB and press Enter to display the Work with Job menu; type 4 (Work with spooled files) and press Enter to display the Work with Job Spooled Files panel; type 5 (Display) in the Opt field for the file and press Enter.

Review the report – if any objects are "not restored", check with Technical Support before proceeding.

5. Type CHGLIBL EXTINSTALL and press Enter to leave only the EXTINSTALL library in the user portion of the library list.

9. Type ENDSBS SBS(EXTOL) and press Enter to end the Cleo subsystem, if it is running.

10. Type WRKRPYLE and press Enter to display the Work with System Reply List Entries panel.

The value that you will specify (in step #11) for the System reply list start seq # parameter (SEQNBR) of the Install Cleo Sub-Release command (INSSUBREL) depends upon the presence/values of these message IDs:

    CPA5700
    CPA5805
    CPA5806
    CPA5880
    CPA5800
    CPA5900

- If there are no entries for these message IDs, use the default 1010

- If entries for ALL of these message IDs are present with a Compare Value of EXT, use *NONE

- If entries for ANY of these message IDs are present with a Compare Value of *NONE AND there are no entries with a Compare Value of EXT, you must specify a sequence number lower than the lowest sequence number used for these message IDs

11. Type INSSUBREL and press F4 to prompt the Install Cleo Sub-Release command; press F10 to see additional parameters.

```
Type choices, press Enter.

Job Queue for submit . . . . . .    *JOBD         Name, *JOBD
  Library . . . . . . . . . . .                   Name, *LIBL, *CURLIB
EXTOL system library name  . . .    EXTSYS        Name
EXTOL files library name . . . .    EXTSYSF       Name
System object save library . . .    EXTSYSB       Name
File object save library - 1 . .    EXTSYSBF1     Name
File object save library - 2 . .    EXTSYSBF2     Name
File object save library - 3 . .    EXTSYSBF3     Name
System reply list start seq # .     1010          0-9990, *NONE
Code restart at step A, B, ...      *START        A-F, *START
Code stop after step A, B, ...      *END          A-F, *END
Update code library  . . . . . .    *YES          *YES, *NO
Install additional files . . . .    *YES          *YES, *NO
Apply standards update . . . . .    *YES          *YES, *NO

                                                             Bottom
F3=Exit   F4=Prompt   F5=Refresh   F10=Additional parameters   F12=Cancel
F13=How to use this display      F24=More keys
```

> **Note:** There is a second panel for this command. But as its two parameters are not used for this process, it is not displayed here.

The parameters for the Install Cleo Sub-Release command are:

Job Queue for submit	JOBQ – The job queue name used for the submit of the release update and optionally the library where it is located. The default is *JOBD. This should not be EXTOL, as that subsystem has been ended.
Cleo system library name	EXTSYS – The name of the library which currently contains Cleo EEI programs. The default is EXTSYS.
Cleo files library name	EXTSYSF – The name of the library which currently contains Cleo EEI files. The default is EXTSYSF.
System object save library	EXTSYSB – The name of a library to be created into which certain system objects are saved during the update process. This library is not used to save all system objects, and therefore cannot be used as a backup to EXTSYS. The default is EXTSYSB.
File object save library - 1	EXTSYSBF1 – The name of a NON-EXISTING library that will be used during the update process. The default is EXTSYSBF1.
File object save library - 2	EXTSYSBF2 – The name of a NON-EXISTING library that will be used during the upgrade process. The default is EXTSYSBF2.

<u>File object save library - 3</u>	EXTSYSBF3 – The name of a NON-EXISTING library that will be used during the upgrade process. The default is EXTSYSBF3.
<u>System reply list start seq #</u>	SEQNBR – Specifies the starting sequence number for system reply list entries, which are required for automatic communications support (for example, network alternate port). The default is 1010. *NONE may also be used to specify that no reply list entries are to be created. Use the value as determined in step #10.
<u>Code restart at step A, B, …</u>	RESTART – The starting point to be used by the upgrade program. The default is *START. If the upgrade program ends abnormally (perhaps because of a system or device failure), call Technical Support. The job log will be analyzed and, using this parameter, the program may be restarted at the appropriate point.
<u>Code stop after step A, B, …</u>	STOPAFTER – The ending point to be used by the upgrade program. The default is *END. If the upgrade program ends abnormally (perhaps because of a system or device failure), call Customer Support. The job log will be analyzed and, using this parameter, the program may be restarted and then stopped at the appropriate point.
<u>Update code library</u>	UPDCODLIB – Specifies whether the code library should be updated. The default is *YES.
<u>Install additional files</u>	ADDFILES – Specifies whether additional files should be installed. The default is *YES.
<u>Apply standards update</u>	APYSTDUPD – Specifies whether standards should be updated. The default is *YES.
<u>User</u>	USER – No value is required.
<u>Workstation</u>	WRKSTN – No value is required.

12. After specifying the parameters, press Enter.

Note: If you specified *NO for the <u>Apply standards update</u> parameter of the INSSUBREL command (in the previous step), go to step #13.

The Select Standards For Installation panel is displayed – this allows you to specify that one or more or all of the standards shipped with Cleo EEI Release v7.1 are to be installed.

6

To install all shipped standards, change the N in the <u>Install all standards</u> field to Y and press Enter. Otherwise, type 1 (Select) in the <u>Opt</u> field for each of the standards you wish to install.

You must select at least one standard.

> Note: Any standards that already exist in the files library being upgraded will be overwritten. If additions have been made, those additions will subsequently be copied back into the files library being upgraded.
>
> The Select Standards For Installation process only ADDS new standards. It cannot be used to selectively delete standards. A new option on Cleo EEI's Standards menu allows for selective standards deletion.

Press Enter to continue, and then press Enter again to confirm.

13. If the parameters are valid, a job will be submitted to perform the upgrade. This job will produce RSTOBJ printouts and both *MSG and *SECLVL versions of the job log.

When the process completes, a "normal completion" message is sent to the EXTINSTALL message queue. To display the message queue, type: DSPMSG EXTINSTALL/EXTINSTALL and press Enter.

Determine the Current PTF on Your System

To determine the current PTF level on your system, follow these steps.

1. Sign off and then sign on as normal.
2. Type DSPCURPTF and press F4 to prompt the Display Current PTF Level panel.
3. Indicate the Library and press Enter.

A message appears showing the Current PTF level.

(Alternative procedure)

Enter Command DSPDTAARA (EXTSYS/EXTSYSLVL)

```
                         Display Data Area
                                               System:    EXPAP72
 Data area . . . . . . . . :    EXTSYSLVL
   Library . . . . . . . :      EXTSUP
 Type  . . . . . . . . . :    *CHAR
 Length  . . . . . . . . :    300
 Text  . . . . . . . . . :            system level control values


          Value
 Offset      *...+....1....+....2....+....3....+....4....+....5
     0      'P2013343R F2013192R I2013308R V6R4M0000          '
    50      '                                                 '
   100      '                                                 '
   150      '                                                 '
   200      '                                                 '
   250      '                                                 '



                                                          Bottom
 Press Enter to continue.

 F3=Exit   F12=Cancel
```

Should you find it necessary to deviate from these instructions, please contact Technical Support at 866-444-2536 (CLEO) for guidance prior to proceeding. If you fail to follow the installation instructions precisely and problems are encountered, your call for assistance may be subject to service charges.

Change Environment Name (CHGENVNAM)

If you would like to change the environment name that appears at the top left of the Cleo EEI screens, use command **CHGENVNAM**.

```
XMAIN                   Cleo EEI Main Menu                  5/12/17 15:49:29
Level . :   1
Cleo EEI 7.1.0                                      System:    EXPAP71
Select one of the following:


                   1. Mailroom
                   2. Scheduling System
                   3. Archiving and Data Management
                   4. Trading Partners and Networks
                   5. Mapping
                   6. Standards
                   7. Electronic Customer Support
                   8. System Configuration
                   9. Reports
                  10. Communications Setup
                  11. e-send

                  90. Sign off
```

Change environment name (CHGENVNAM)
Type choices, press Enter.


```
 Library name . . . . . . . . . .         *LIBL   Name, *LIBL
 Display attribute (hex)      . . . .      *SAME   20-3F,
 *SAME, *NONE EXTOL environment name . . . . .    *SAME

 Create environment objects . . .         *NO     *NO, *YES
```

There are two places that hold the environment name:

Environment message (MSGF: EXUSRPMT MSGID: UMN0001)
environment data area (YYCOTXA)

These objects are shipped in the program library.

The message is used in display files. There is only one message in the EXUSRPMT message file.
The data area is used in printer files.

During CHGENVNAM, if the Create option is *YES, a duplicate object of both the message file and data area is created from the program library into the files library. Of course, there is logic in place to only do the duplication if the object does not already exist.

If you only have one environment, then the default value for library name can be *LIBL, and the Create environment objects parameter will be *NO.

For a list of the display attribute values, press **F1** (help) with your cursor on that field and in the help panel, place you cursor on the **DSPATR** highlighted in yellow, and hit enter. This provides a list of display attribute values and the effect of those values on your display device.

The environment name is the text that will appear in the environment name field.