SEE/Change

PE Notes 4.5300

(Version 4.5300)

1   Contents

2 Primary PE Enhancements

2.1 Object Delivery Sequence

2.1.1 Introduction

When promoting a CR, SEE/Change contains a process that controls the order in which objects are delivered so that, for example, physical files are delivered before logical files, display files are delivered before programs, etc. This is achieved by assigning a processing sequence number to each object type (e.g. a physical file will be assigned a processing sequence of 10 whilst a logical file will be assigned a processing sequence of 20), and then delivering the objects ordered by ascending processing sequence group. The objects are ordered alphabetically within each processing sequence group.

Occasionally, it may be necessary to amend this default sequence. For example, a CR contains two new SQL tables TBLA and TBLB. TBLA has a foreign key constraint that references TBLB. On promotion of the CR, the creation of SQLTABLE TBLA will fail unless SQLTABLE TBLB is delivered first, i.e. TBLB must be delivered before TBLA, but SEE/Change would try to deliver them in alphabetical sequence.

With PE 4.5300, a new feature has been included in SEE/Change that allows finer control over the object delivery sequence.

2.1.2 Accessing the Delivery Sequence Panel

The new feature can be accessed by pressing function key *F18=Delivery Seq* whilst in *Work with Parts using SCDM* or *Display CR Parts*.

```
                          SEE/Change for IBM i
                       Work with Parts using SCDM

 File  . . . . . .        *ALL
   Library . . . .        O#00000401
 Type options, press Enter.
  1=Retrieve      2=Edit         4=Delete        5=Display       6=Print
  7=Freeze        8=Display obj  11=Transfer     12=Work with    13=Change obj

 Opt Object       Type         Text

 __  CSTMSTL1     LF           Customer Master by Customer #
 __  CSTMSTL2     LF           Customer Master by Name
 __  CSTMSTL3     LF           Customer Master by Add. Date
 __  CSTMSTP      PF           Customer Master File
 __  CST0100FM    DSPF         Customer Master Maintenance
 __  CST0100R     RPGLE_MOD    Customer Master Maintenance
 __  CST0100R     RPGLE_SRC    Customer Master Maintenance
 __  CST0200FM    DSPF         Customer Lookup
 __  CST0200R     RPGLE_MOD    Customer Lookup
                                                                   More...

 F17=Pgmr optns   F18=Delivery seq  F19=Stream files  F20=Keys  F23=More options
 F21=Text  F22=Status  F24=Messages
```

2.1.3 Work with CR Parts Delivery Sequence

A new panel *Work with CR Parts Delivery Sequence* displays the CR parts in the sequence that they will be delivered. The processing sequence, part name and reference id for each part is displayed. The delivery sequence for an individual part can be manipulated by amending the Sequence Number field that is tagged to that part. The panel behaves in a similar way to the way that the panel for *Edit Library List* (EDTLIBL) behaves. For example, if '81' is placed in the sequence number for SRVPGM CST0600S shown below, then when Enter is pressed, the list will be re-sequenced so that SRVPGM CST0600S appears after SRVPGM CST0610S.

```
                          SEE/Change for IBM i
                   Work with CR Parts Delivery Sequence

   CR    : D43 000004 / 01      Upgrade for Customer Master

   Type new sequence details and press Enter.
   Sequence Pr Object     Ref          Sequence Pr Object     Ref
   Number   Sq Name       Id           Number   Sq Name       Id
        10  10 CSTMSTP     PF                110  45 CST0200R    RPGLE_MOD
        20  20 CSTMSTL1    LF                120  45 CST0300R    RPGLE_MOD
        30  20 CSTMSTL2    LF                130  45 CST0400R    RPGLE_MOD
        40  20 CSTMSTL3    LF                140  50 CST0500P    RPGLE
        50  30 CST0100FM   DSPF              150  50 CST0510P    RPGLE
        60  30 CST0200FM   DSPF              160  50 CST0520P    RPGLE
        70  35 CST0600S    SRVPGM
        80  35 CST0610S    SRVPGM
        90  40 CST0100R    RPGLE_SRC
       100  40 CST0200R    RPGLE_SRC
       110  40 CST0300R    RPGLE_SRC
       120  40 CST0400R    RPGLE_SRC
       130  45 CST0100R    RPGLE_MOD
                                                                Bottom
   F3=Exit   F5=Refresh   F9=Cmd   F12=Cancel   F16=Reset sequence
```

Function key *F16=Reset sequence* will remove any sequence changes that have been made and replace them with SEE/Change's default delivery sequence.

Any changes that are made to the delivery sequence will only affect movements of the displayed CR.

If the CR is packaged to a Release and sent to a production machine then any changes to the delivery sequence will also apply when installing the Release. (The production machine must also have PE 4.5300 installed - if not, the default delivery sequence will apply).

2.2   SEE/Change plug-in for Rational Developer

If you are using the SEE/Change plug-in for Rational Developer, then after installing PE 4.5300, you will need to upgrade the plug-in to v1.4.1. Earlier versions of the plug-in will not work correctly with PE 4.5300.

(Note: v1.4.1 of the plug-in requires RDP 7.6 or later.)

Version 1.4.1 of the plug-in includes some minor enhancements:

- The ability to subset the list of displayed CRs by CR description.

- A new wizard that enables the direct retrieval of a part to a CR without having to expand the source register.

- The application code is now displayed alongside the CR on the list of Change Requests.

- The ability to save Filter selections between sessions.

- Improved performance for large SEE/Change databases.

3 Software Performance Reports

The following Table lists software performance reports that have been resolved in this PE.

SPR Log Number	Description
5683	ILE program object retrieved from different Application
5679	Promote of LF halts if associated PF has shared member lock
5675	CRTPGM fails if program contains large number of modules (150)
5674	CHKCR log contains anomalous CPD0078 message
5669	ALTER TABLE omits RESTRICT if table has primary key
5668	Include support for Workstation Customizing Object (WSCST)
5667	ALTER TABLE omits LABEL ON TABLE statement
5644	SEE/One hangs if source member contains only one source line
5636	Include support for SQL GLOBAL VARIABLE
5631	*E70 error on forward movement ignored during subsequent revert
5626	Xref recompile occurs in wrong sequence on production machine
5616	Revert fails if CR contains PF/LF that have been marked for delete

The following Table lists software performance reports that have been resolved at v1.4.1 of the Rational Developer plug-in.

SPR Log Number	Description
477	Data queue SEEDTAQ overflows and plug-in fails for all users
466	Improve handling of filters and editing after line drop-out
465	Ampersand character in IR category gives XML error
464	Retrieval wizard displays CRs from other applications
463	Multiple SEE/Change databases handled incorrectly
461	Odd behaviour when changing source text for RPGLE_SRC
460	Refresh not working on various Action pop-ups
458	Include new wizard to allow Retrieval directly from CR action list
457	Erroneous "Call stack entry not found" when deleting CR part
456	Convert Source wizard should only display used object types

4   Installation

4.1   Warnings

To ensure a successful upgrade please use the SEE/Change upgrade guide. This comprehensive guide is available from the Thenon web site download area or from the support line.

Steps must be taken to preserve any customised code especially if upgrading by reinstalling the product libraries and running a conversion.

4.2   Dependencies

- Must be applied after 4.5200.

- SEE/Change 4.5300 will run on i5/OS version V5R4M0 or higher.

- Must be applied to all remote sites? **See compatibility chart.**

5 Plug-in Compatibility Chart

SEE/Change Plug-in Compatibility

SEE/Change Server Version	IDE Version	
	RDP 7.6.x.x	RDP 8.0.x.x
4.5300	1.4.1	1.4.1

U/C: Unsupported Combination

6 SEE/Change Compatibility Chart

SEE/Change Release Compatibility Chart

		Development													
		4.5000	4.5001	4.5002	4.5003	4.5004	4.5005	4.5100	4.5101	4.5102	4.5103	4.5104	4.5200	4.5201	4.5300
Production	4.5000	Yes	Yes	1	1,2	1,2	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3,4	1,2,3,4,5	1,2,3,4,5,6
	4.5001	No	Yes	1	1,2	1,2	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3,4	1,2,3,4,5	1,2,3,4,5,6
	4.5002	No	No	Yes	2	2	2,3	2,3	2,3	2,3	2,3	2,3	2,3,4	2,3,4,5	2,3,4,5,6
	4.5003	No	No	No	Yes	Yes	3	3	3	3	3	3	3,4	3,4,5	3,4,5,6
	4.5004	No	No	No	No	Yes	3	3	3	3	3	3	3,4	3,4,5	3,4,5,6
	4.5005	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	4	4,5	4,5,6
	4.5100	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	4	4,5	4,5,6
	4.5101	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	4	4,5	4,5,6
	4.5102	No	No	No	No	No	No	No	No	Yes	Yes	Yes	4	4,5	4,5,6
	4.5103	No	No	No	No	No	No	No	No	No	Yes	Yes	4	4,5	4,5,6
	4.5104	No	No	No	No	No	No	No	No	No	No	Yes	4	4,5	4,5,6
	4.5200	No	No	No	No	No	No	No	No	No	No	No	Yes	5	5,6
	4.5201	No	No	No	No	No	No	No	No	No	No	No	No	Yes	6
	4.5300	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes

Notes

Note 1: Yes, unless wishing to use the new file attribute support or the new ILE remote delivery mechanism

Note 2: Yes, unless wishing to use stream file support distribution

Note 3: Yes, however CHGPF will revert to compile or duplicate on production machine

Note 4: Yes, however Version Control on Releases will be ignored on production machine

Note 5: Yes, however the Alternative ALTER TABLE support will be ignored on production machine

Note 6: Yes, however changes to the default object delivery sequence will be ignored on production machine.

Minimum i5/OS Levels

4.5000	V5R1 or V5R2 if using WDSc plug-in
4.5001	V5R1 or V5R2 if using WDSc plug-in
4.5002	V5R1 or V5R2 if using WDSc plug-in
4.5003	V5R1 or V5R2 if using WDSc plug-in
4.5004	V5R2
4.5100	V5R2
4.5101	V5R2
4.5102	V5R2
4.5103	V5R2
4.5104	V5R3
4.5200	V5R3
4.5201	V5R4
4.5300	V5R4

Disclaimer: Every effort has been made to ensure accuracy however we cannot take responsibility for any errors caused by using this information