# SEE/Change

# PE Notes 4.5502

(Version 4.5502)



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## 2 Primary PE Enhancements

#### 2.1 Extended SQL source file record length

The maximum record length of SQL source files is extended from 80 characters to 120 characters.

The extended record length accommodates a longer SQL statement and reduces the number of line continuations.

#### 2.2 Disabled applications

The PE allows applications to be *disabled* from within the WRKAPPCFG command. As a result, disabled applications are not visible in the Work with Application Configuration screen display. This display now provides the F11 function key to toggle an application between the *enabled* and *disabled* states:

THENON SEE/Change Development Environment. Work with Application Configuration						
2=Chang 9=Overr	e 3=Copy ides 12=Where used 1	4=Delete 5= 4=Src files 16=	Display CASE info	6=ASSET Cfg 17=JDE info		
Opt App          ANZ          FIN          INT          ORD          ANZ          NNT          NRD          NRD          NRD          NRD          NRD          NRD          NRD          NRD	Description < Locate Analysis Finance Interfacing Management Information Order Processing Payroll Warehousing	Managed by ROBIN+ LIZ+	<pre>* Enabled * YES * YES</pre>			
F1=Help F12=Canc	F3=Exit F4=Prompt F5=R el F21=Include Thenon ap	Refresh F6=Create op F23=More option	F9=Cmd F11 s F24=Messa	<b>Bottom</b> =Hide Disabled ges		

#### 2.3 Application Control

The PE includes a new *Application Control* function (Option 50) that restricts application configuration operations to one or more named users, group profiles or supplemental group profiles. Users identified in this way are termed *managing users*. Users who are not managing users have restricted access to WRKAPPCFG functions. The QSECOFR user is always treated as a managing user.

THENON SEE/Change Development Environment. Work with Application Control						
Application	.: MIS Management Ir	nformation	Enabled : *NO			
Enter the User/Gr empty to leave th	coup profiles that mane application unmana	anage this application aged. Press Enter.	or leave the list			
User ROBIN LIZ QPGMR 						
F1=Help F3=Exit	F5=Refresh F9=Cmd	F12=Cancel F15=Enabl	le Application			

#### 2.4 Enhanced version information

The VERSION command now includes additional information on any patches applied since the base PE (V4.5502 in this case) was installed.

This information also appears in the OMS440 object movement report.

Following installation of V4.5502 no patches will be shown by the enhanced command because all previous patches were incorporated, as shown in the display below:

SEE SEE	Change - Change Management for IBM (Development)	<b>1 i</b> System: THENON
Fast track SEE/Change 21 22 23	e options: Work with Change Requests 2. Work with Change Request Developm 3. Work with Releases	nent
:	SEE/Change	:
: : SEE/C : 1 : HDM Descrip 2 : 3 : No HDM' 4 :	SEE/Change Version: 4.5502 IBM i Version : V7R4M0 System Serial No. : 78384C1 Partition ID : 1 Potion Date Ti s are installed on this version	ime User : ftware : twork :
Selec : ===> :		: Bottom :
: F12=Cancel F3=Ex : F13=I :		: : :

Should any patches be applied to this version, they will be shown in the output of the VERSION command, as shown in the display below. Please note, in this display the patches are from previous versions of SEE/Change and have been used purely for the purpose of illustration.

SEE SEE/Change - Chan (D	ge Management for evelopment)	IBM i	System:	THENOI	Ń	
Fast track SEE/Change options: 21. Work with Change Requests 22. Work with Change Request Development 23. Work with Releases						
: S	EE/Change			:		
: SEE/Change : IBM i Versi	Version: <b>4.5502</b> on : <b>V7R3M0</b>			:		
: System Seri	al No. : 784BFB0			:		
1 : HDM Description 2 : 5922 CFGAUD writing WRKTAL 3 : 5920 SQL source over 80(92 4 : 5918 ENDCFGAUD leaving trg : 5917 MDL/INT Y SQLRPGLE_S	Date           a records         10/03/22           a fails         26/02/22           pgm XPD         16/02/22           not flag         31/12/21	Time 2 10:08 2 14:58 2 12:10 2 0:25	<b>User</b> QPGMR ROBIN LIZ LIZ	: ftr : two :	ware ork	
Selec : ===> : : F12=Cancel F3=Ex : F13=I :			Botton	: : :		

This new feature provides for quick identification of any modifications applied over and above the base version.

#### 2.5 Enhanced release status description

The WRKRLS command of the development system can now optionally show enhanced release status information. Setting the new general parameter @RLE to \*YES will cause an enhanced release status display to be shown, as seen below. This replaces the current OPEN or CLOSED status with more descriptive information similar to that shown on the F11 screen. The PE ships with @RLE set to \*NO.

THENON	SEE/Change Development Environme Work with Releases	ent.	
2=Change 14=Send to ac	4=Delete 5=Wrk with CRs 9=C pt 15=Send to live 16=Forward 17=In	lose 10=Ne nstall COMS 18=In	twork sts stall tape <b>CR</b>
Opt Release	Text	Status (P) Rcv-	Date Stat
DEV         00175           DEV         00174           DEV         00173           DEV         00172           DEV         00172           DEV         00172           DEV         00170           DEV         00170           DEV         00170           DEV         00172           DEV         00170           DEV         00168           DEV         00166           DEV         00166           DEV         00165           DEV         00164	Whs Bulk loc freeze Upper tax change Upper tax change Disable MIS interface Omnichannel fix Account interface bug fix 3 Account interface bug fix 2 Account interface bug fix 1 Journalling correction Order total VAT calc change Analysis totalling bug Trigger on order header	Closed Live open Mvt Error Part Acpt. Live open Rls Create Not instal Not instal Live open Live open Live open Redevelop	More
F3=Exit F4=F	rompt F5=Refresh F6=Create F9=Cmd F3	11=Alt view F12=	Cancel
F14=Curr flt	F23=More options F24=Messages		

#### 2.6 Work with Releases search

The WRKRLS command now includes a search/filter facility based on the enhanced release status. This is in addition to the existing subfile positioning based on release text.

THENON	SEE/Change Development Environ Work with Releases	ment.
2=Change 14=Send to ac	4=Delete 5=Wrk with CRs 9=C pt 15=Send to live 16=Forward 17=1	lose 10=Network sts nstall COMS 18=Install tape <b>CR</b>
Opt Release	Text	Status (P) Rcv-Date Stat
DEV 00175 DEV 00174	Whs Bulk loc freeze Upper tax change	Closed Mvt Error
DEV         00172           DEV         00171           DEV         00171           DEV         00170           DEV         00170           DEV         00169           DEV         00168           DEV         00167           DEV         00167	Disable MIS inte : Enhanced release : Omnichannel fix : Accept/QA Account interfac : Closed Account interfac : Live open Account interfac : Mvt Error Journalling corr : Not instal Order total VAT : Part Acpt.	status descriptions : : : : : : : :
DEV 00165 DEV 00164 F3=Exit F4=P F14=Curr flt	Analysis totalli :Part Live Trigger on order :Part Redev :Redevelop : rompt F5=Refresh : Any char to select F23=More options :	+ : ; ; F1=Help F12=Cancel :

To enable a filter, Key F4 with the cursor over the Status and select one of the enhanced status values offered.

### 2.7 CR Status Notifications

#### 2.7.1 Overview

The PE contains a new WRKNTFY command to configure *notifications* raised when CR status changes occur during movement operations. A notification can be directed to named users, group users or users appearing in user-defined lists and is delivered in an email message or in a system message at the user's terminal (see section 2.7.4 below). A comprehensive configuration screen allows notification criteria to be defined along with the intended recipients. Notification processing occurs at the development system, but a CR movement occurring anywhere within the network can raise a notification.

You can invoke WRKNTFY via the Configuration Manager using main menu options *8>60>18 Work with CR Status Notifications*. Additionally, a CR-specific notification for the current user can be configured via option 55 in Work with Change Requests (main menu option 21). In either case, the screen display below will be shown:

THENON	Ň	SEE/Change Development Environment. Work with CR Status Notifications Active for ROBIN		
2=Char	nge 3=Co	ppy 4=Delete 5=Display		
		Active Date	Range	
Opt	Notify	Text	Active I	Date Range
	Number		From	То
_	88	Order Processing going live	*START	*END
_	89	Payroll	*START	*END
	100	Omnichannel	*START	*END
	107	Correction to order VAT calculation.	*START	*END
_	108	Anything going live	*START	*END
	109	Payroll live or live revert	*START	*END
_	110	Finance new to UAT	*START	*END
_	122	Grants movements	*START	*END
_	123	Analysis totalling bug	*START	*END
_				
				Bottom
F1=Hel F14=St	lp F3=Ex now all	it F5=Refresh F6=Create F9=Cmd F11=Show Fut	ure F12	2=Cancel

The Work with CR Status Notifications screen lists existing notification configurations. A notification is raised when an eligible CR is encountered during movement processing. CR eligibility is conditioned by selection criteria you provide for each notification configuration. To set the criteria, key F6 to create a new notification and amend the default criteria as described in section 2.7.2 below. Alternatively, you can take menu option 2 or 3 to change or copy an existing configuration. Note that the list shows the notifications you have created. Use F14 to show all notifications, including your own.

Notifications are *active* if the system date satisfies a range criterion (see 2.7.2 (b) below). *Future* and *expired* notifications are defined in the same way. You can use F11 to toggle between active, expired and future notifications.

Notify Number is a unique sequence number assigned when the configuration is created. It appears within the notification message and should assist a user receiving an unexpected message.

THENON	SEE/Change Development Environment. Change Notification Criteria
Notification Date active From Created By Email User/Groups And/Or User Email Lists .(P).	Any payroll changes          0/00/00       To <u>99/99/99</u> Notify Number       100         LIZ       Liz Johnson       112       100         *NONE       *NONE       *NONE       100
CR Status (P). Systems (P). IR No/CR From Release No From	*ALL *ALL 000000 00 To <u>999999</u> 99 00000 To <u>999999</u>
Applications (P). CR Types (P). CR Priority (P). CR Text contains CR Users (P).	Payroll *ALL *ALL *ALL
F1=Help F3=Exit F4=P F17=Maintain Notifv Us	rompt F5=Refresh F9=Cmd F12=Cancel er Lists

#### 2.7.2 Create/Change/Copy notification criteria

This section describes the usage of fields in the *Change Notification Criteria* display above. You will receive a similar display when creating or copying a notification configuration.

- (a) Notification:- Descriptive text for the notification. The text need not be unique.
- (b) Date active From /To:- The notification is active if the system date lies within this range. Adjust these dates to reactivate an expired notification or activate a future one. A range 0-999999 means the notification is always active.
- (c) Created By:- Shows the user profile creating this notification.
- (d) Notify Users/Groups:- Enter up to five users or group users whose members will be notified. If email notification is required, use WRKDIRE to verify that the user's directory entry contains a Lotus cc:Mail address.
- (e) Notify User Lists:- Named lists of users to be notified (see 2.7.3 below). Use F17 to maintain the lists or F4 to select an existing list.
- (f) CR Status:- Use F4 to select one or more CR status values. A notification is raised when the status of an eligible CR assumes one of these values. Where a movement matches several configured notifications, only one message is sent. An eligible CR satisfies one or more of the criteria (g)-(n) below.

Please note: the following criteria are suppressed when this function is entered via menu option 55 of WRKCHGRQS.

- (g) Systems:- Use F4 to select one or more configured systems whose CRs are eligible to raise this notification.
- (h) IR No/CR From/To :- IR/CR numbers within this range are eligible to raise this notification.
- (i) Release No From/To:- CRs belonging to releases in this number range are eligible to raise this notification.
- (j) Application:- Use F4 to select one or more applications. CRs in these applications are eligible to raise this notification.
- (k) CR type:- Use F4 to select one or more CR types. CRs of these types are eligible to raise this notification.
- (I) CR Priority:- Use F4 to select one or more CR priorities. CRs having these priorities are eligible to raise this notification.
- (m)CR Text contains:- CRs having text containing this text are eligible to raise this notification. Text matching is not case sensitive.
- (n) CR Users:- Use F4 to select one or more CR users. CRs belonging to these users are eligible to raise this notification.

#### 2.7.3 Maintaining notify user lists

A *notify user list* is a named list of users and is treated as a group user when found in notification criteria (see 2.7.1 (e) above). To create or maintain these lists, key F17 from the Change Notification Criteria display and obtain the *Work with Notify User Lists* display shown below:

THENON	SEE/Change Development Environment. Work with Notify User Lists	
2=Change	3=Copy 4=Delete 5=Display	
Opt Use - 4 - 1 - 6	rs List description Ops Staff managers End Users Team Leaders IT Managers Payroll Team	
		Bottom
F1=Help	F3=Exit F5=Refresh F6=Create F9=Cmd F12=Cancel	

The display shows existing user notify lists. Select an indicated menu option or key F6 to create a new list.

### 2.7.4 Receiving a notification message

For a user to receive a notification via email, the system directory entry for the user must contain an appropriate Lotus cc:Mail address. You can create or edit this address using the WRKDIRE command.

In the absence of a Lotus cc:Mail address, notifications are presented as system messages. These messages activate the MW (Message Waiting) flag in the status line of the user's display terminal. When this flag is seen, you can view the queued messages by invoking the DSPMSG (Display Messages) command. A notification message contains the first-level text 'SEE/Change movement notification', as shown below.

Position the cursor on this text and key F1 to see the Additional Message Information. This includes the Notify Number, the originating CR and notification criteria, also shown below.

	D:	isplay Mes	sages				
Queue : Library : Severity :	ROBIN QUSRSYS 00		Program . Library Delivery	Syste	em: . : . :	THENON *DSPMSG *NOTIFY	
Type reply (if requ SEE/Change moveme	ired), press En nt notification	nter. n.					
F3=Exit F13=Remove all	F11=Remove a F16=Remove a	message 11 except 1	unanswered	1	F12=Ca F24=Mo	ncel re keys	Bottom

 Additional Message Information

 Message ID . . . . . : 0MN000

 Date sent . . . . . : 10/10/22
 Time sent . . . . . : 17:26:25

 Message . . . : SEE/Change movement notification.

 The following software movement has completed. Triggered by notification 100.

 CR:- 000092/05 (Change the upper tax calculation)

 Release:- 00174 (Upper tax change)

 Application:- Payroll

 Current CR status to:- Ready for Release

 System:- DEV System

 By:- Liz Johnson

 Bottom

 Press Enter to continue.

 F1=Help F3=Exit F6=Print F9=Display message details F12=Cancel

 F21=Select assistance level

### 2.7.5 Changing the notification message format

The SEE/Change message file OMSMSGU contains optional override messages for messages held in OMSMSGF. To change the notification message copy one or both of the following messages from OMSMSGF to OMSMSGU, then edit the message in OMSMSGU to the required format. The message identifiers are:

- OMN0000:- No email address is configured, and the notification message is sent to the user's terminal by the SNDMSG command
- OMN000E:- An email address is configured, and the notification message is sent to that address by the SNDDST command.

As shipped, these messages have identical formats in OMSMSGF.

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The format of message OMN0000 (from the DSPMSGD command) is shown below. The CL variables &1-&10 in the second-level text carry the variable notification content and are available for use in your own versions of OMN0000 or OMN000E in OMSMSGU. Note that for an email notification formatted by OMN000E, the first-level text appears in the subject line and the expanded second-level text in the message body.

Display Formatted Message Text		
Message ID OMN0000 Message file OMSMSGF Library OMSSAVTHN	System:	THENON
Message : SEE/Change movement notification. The following software movement has completed. Triggered by	notificat	ion &10.
CR:- &1/&2 (&3) Release:- &4 (&5) Application:- &9 Current CR status:- &6 System:- &7 By:- &8		
Press Enter to continue.		Bottom
F3=Exit F11=Display unformatted message text F12=Cancel		

#### 2.7.6 Enabling notification messaging

On the development system, with no one using SEE/Change, go into SEE/Change and issue Start Work Notify command shown below.

#### STRWRKNTFY

This CR status changes to be identified within the development system, and production systems within the network.

Notification message are send using the QMON job within the QDMS subsystem. The subsystem and job may suffixed for specific customer configurations. (in commands below, use your specific configuration names)

In rare circumstances, the QMON job may have been disabled, this can be checked by using command

WRKACTJOB SBS (QDMS)

Look for job QMON. If QMON has been disabled (not found in the QDMS subsystem) in your configuration, it can be added in by adding the auto start job entry using the command given below

ADDAJE SBSD(QDMS) JOB(QMON) JOBD(QMONR)

Again the sub system description and job name may be specific to your configuration.

If the QMON auto start job has been added to QDMS subsystem description, the subsystem will need ending and starting again to start the QMON job.

# **3 Software Performance Reports**

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

SPR Log Number	Description
5922	DSPCFGAUD accumulates and shows temporary authority changes created during movements. V4.5502 prevents these audit records from being recorded and removes any existing records.
5920	SQL source data length restricted to 80 characters, now extended to 122 characters. (source record length 132)
5918	ENDCFGAUD would leave a trigger program attached to the Thenon system parameter definition file.

## 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.com website 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 4.5501.
- SEE/Change 4.5502 will run on IBM i 7.3 or higher.
- Must be applied to all remote sites? See SEE/Change compatibility chart.

# 5 RDi Plug-in Compatibility Chart

SEE/Change Server	IDE V	IDE Version			
Version	RDP 8.x.x.x	RDP 9.x.x.:			
4.5401	1.4.2	1.4.2			
4.5402	1.4.2	1.4.2			
4.5403	N/A	1.4.3			
4.5500	N/A	1.4.3			
4.5501	N/A	1.4.3			
4.5502	N/A	1.4.3			

#### SEE/Change Plug-in Compatibility

## 6 SEE/Change Compatibility Chart

#### SEE/Change Release Compatibility Chart

		Development										
		4.5200	4.5201	4.5300	4.5400	4.5401	4.5402	4.5403	4.5500	4.5501	4.5502	
Production	4.5200	Yes	1	1,2	1,2	1,2	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	
	4.5201	No	Yes	2	2	2	2,3	2,3	2,3	2,3	2,3	
	4.5300	No	No	Yes	Yes	Yes	3	3	3	3	3	
	4.5400	No	No	No	Yes	Yes	3	3	3	3	3	
	4.5401	No	No	No	No	Yes	3	3	3	3	3	
	4.5402	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	
	4.5403	No	No	No	No	No	No	Yes	Yes	Yes	Yes	
	4.5500	No	No	No	No	No	No	No	Yes	Yes	Yes	
	4.5501	No	No	No	No	No	No	No	Yes	Yes	Yes	
	4.5502	No	No	No	No	No	No	No	Yes	Yes	Yes	
Notes Minimum i5/OS Levels												
Note 1: Yes, however the Alternative ALTER TABLE support will be ignored on production machine 4							V5R3					
Note 2: Yes, however changes to the default object delivery sequence will be ignored on production machin						n 4.5201	V5R4					
Note 3: Yes, however SSH distribution is not supported.						4.5300	V5R4					
						4.5400	V6R1					
						4.5401	V6R1					
					4.5402	V6R1						
					4.5403	V6R1						
					4.5500	V7R1						
4					4.5501	V7R3						
4						4.5502	V7R3					

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