



Noetix Views Workbench 2.2.1 Customizations Upgrade Guide

Author: Srinivas Akula
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Document Control

Change Record

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05/04/16	Srinivasa Rao Akula	1.0	Initial Version

Reviewers

Name	Project Role

Distribution

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Customizations Upgrade prerequisites

Before upgrading the customizations, we need to promote the customizations in NOETIX_VIEWS environment to NOETIX_VIEWS651 environment.

Promoting

The promotion feature in the NoetixViews Workbench allows us to promote a package from one environment to another environment. We can use this feature if we want to use the customizations of a package in a different environment within a NoetixViews Workbench installation.

The promotion is the process of exporting all the customizations available in a package in one environment to another environment. The customizations include the following:

- Legacy customizations

- NoetixViews Workbench customizations

- All the wnoetx% files

- Role prefix configuration

- Noetix query user security configuration

When we promote a package from one environment to another environment, all the legacy customizations and view revisions in the target environment will be overwritten.


Before the promotion process, the NoetixViews Workbench determines if the source and target environments are compatible.

For an environment to be used as a source, Stage 4 should have been completed for the underlying NOETIX_SYS schema. For an environment to be used as a target, at least Stage 3 should have been completed for the underlying NOETIX_SYS schema.

Promoting the package

In the POC environment, we had the customizations in the NOETIX_VIEWS environment and we need to export this customizations to the NOETIX_VIEWS651 environment.

On the NoetixViews Workbench home page, click Manage Packages. The Manage Packages page appears.

 **Manage Packages »**

Packages assemble views, legacy customization scripts and hooks for staging to your installs folder and for promotion to other environments.

[Add Package](#)

Showing: 1 - 10 of total 11. [Page: 1 / 2] << 1 2 >> Rows: 10

	Name	Description	Updated date	Updated by
<input type="checkbox"/>	_Legacy Package	"Package ' Legacy Package' was exported from 'EBSPJD1' on 'Mon Jun 15 08:55:50 MDT 2015'." Legacy Package Imported into 'EBSPJD1' by 'nemuser'.	4/30/16 11:28 AM	nemuser
<input type="checkbox"/>	Package_P01_012116_B1	Customizations done by zensar team for Viasat.	12/17/15 12:52 PM	nemuser
<input type="checkbox"/>	Package_P01_012116_B2	Customizations done by zensar team for Viasat.	12/21/15 6:14 PM	nemuser
<input type="checkbox"/>	Package_P01_012116_B3	Customizations done by zensar team for Viasat.	12/31/15 11:28 AM	nemuser
<input type="checkbox"/>	Package_P01_012116_B4	Customizations done by zensar team for Viasat.	1/13/16 5:42 PM	nemuser
<input type="checkbox"/>	Package_P02_021816_B1	Customizations done by zensar team for Viasat.	2/1/16 8:25 AM	nemuser
<input type="checkbox"/>	Package_P02_021816_B2	Customizations done by zensar team for Viasat.	2/1/16 1:34 PM	nemuser
<input type="checkbox"/>	Package_P02_B2_PROD	Customizations done by zensar team for Viasat.	2/10/16 12:02 PM	nemuser
<input checked="" type="checkbox"/>	Package_P03_B1_DEV	Customizations done by zensar team for Viasat.	2/16/16 11:54 AM	nemuser
<input type="checkbox"/>	Package_P12_121715_B4	Customizations done by zensar team for Viasat.	12/17/15 12:52 PM	nemuser

Edit propertiesDeleteHistory

Save AsStagePromote

Select the check box corresponding to the package that you want to promote, and then click Promote. The Promote » Welcome page appears.

**Promote » Welcome**

Promotion moves all the managed views in a package from this environment to another environment, including

- Legacy customizations
- Workbench customizations
- All the wnoetx files
- Prefix configuration
- Noetix query user security configuration



WARNING! All the legacy customization scripts and managed views in the target environment will be overwritten. You should backup the target environment before proceeding.

Click Next to when you are ready to continue Promotion

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Click Next. The Promote » Target Environment page appears.



Promote » Target Environment

Now, we need information about the target environment.

Remember, the legacy customization scripts and the managed views in the target environment will be deleted and replaced with those from the source environment. If you have not already backed up your target environment, you should do so before proceeding.

Select the environment to promote to:

Target environment: **NOETIX_VIEWS651(Upgrade)** ▼

Enter the name of the new package in the target environment:

Package name: **Package_P03_B1_DEV**

☐ Overwrite package if it exists in the target environment.

The managed views in 'EBSPJD1' will replace the managed views in 'NOETIX_VIEWS651(Upgrade)'. For a clean target environment, we recommend that you delete all the managed views and packages in 'NOETIX_VIEWS651(Upgrade)'.

☐ Delete all managed views in the target environment?

WARNING: The selected package has references to views that are not included in the current package. This may cause install stage 4 errors when staged. The packages screen has specific details about the warning. Ensure the view revisions in the target environment contain the listed master keys from the 'Warnings' button on packages screen.

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Under the Select the environment to promote to area, in the Target environment list, select the target environment to which you want to promote the package.

If prompted for the user credentials, provide the user credentials and validate the NOETIX_VIEWS651 schema associated with the target environment.

Under the Enter the name of the new package in the target environment area, in the Package name box, type a name for the package that is being promoted to the target environment. By default, the name of the selected package is displayed.

Click Next. The Promote » Source & Target Compatibility page appears.



Promote » Source & Target Compatibility



WARNING! Your 'EBSPJD1' source environment is not compatible with your 'NOETIX_VIEWS651(Upgrade)' environment.

If you wish to promote anyway, you must override all the compatibility enforcement checks, but it is not recommended because you may get unexpected results. [What does this mean?](#)

You must acknowledge that you want to override each mismatch in order to continue promotion.

Check all checkboxes to override incompatibilities.

EBSPJD1		NOETIX_VIEWS651 (Upgrade)
Oracle EBS version: 12.1.3	Oracle EBS version: 12.1.3	Compatible
Script version: 6.3.0.1318	Script version: 6.5.1.1565	<input checked="" type="checkbox"/> Script version mismatch
DAT file version: 6.3.0.1318	DAT file version: 6.5.1.1565	<input checked="" type="checkbox"/> DAT file version mismatch
Modules common to both environments: AP AR BEN BOM CE CS CSD CSI CST FA GL HR HXC INV MRP OE OKE OKS PA PAY PJM PO QA WIP XXNAO		
Modules only in source: PB PC	Modules only in target: NONE	<input checked="" type="checkbox"/> Module list mismatch
Highest NoetixViews version in package: 6.3.0	Target NoetixViews version: 6.5.1	Versions are compatible or can be upgraded

Click Next to when you are ready to continue Promotion

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Click Next



Promote » Source Environment

Select the configurations and additional files from 'EBSPJD1' to promote to 'NOETIX_VIEWS651(Upgrade)'

Last capture date: 4/30/16 11:29 AM

Last install stage 4 date: 5/3/16 2:07 AM

All the NoetixViews Workbench customizations and legacy customizations in this package will be promoted to 'NOETIX_VIEWS651(Upgrade)'. In addition, the following files are not in the legacy package and can be promoted to 'NOETIX_VIEWS651(Upgrade)'.

Check the items you want to promote:

☒ Role prefix configuration [What's this?](#)

Optional hookscripts (all are recommended) [More information](#)

Showing results 1 to 8 of total: 8 (8 rows displayed)


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<input checked="" type="checkbox"/>	File Name ▲	Description
<input checked="" type="checkbox"/>	wnoetx_cm_schedule_defaults.sql	Concurrent manager configuration
<input checked="" type="checkbox"/>	wnoetx_gseg_ans_col_type.sql	Enable answer column types for Global Seg Processing
<input checked="" type="checkbox"/>	wnoetx_ou_xop_check.sql	XOP configuration OU upgrade option
<input checked="" type="checkbox"/>	wnoetxu4.sql	Security Configuration Flags
<input checked="" type="checkbox"/>	wnoetxuq.sql	EIS configuration
<input checked="" type="checkbox"/>	wnoetxus.sql	Look configuration
<input checked="" type="checkbox"/>	wnoetxut.sql	Help configuration and suppression
<input checked="" type="checkbox"/>	wnoetxuu.sql	UTF8 configuration



NoetixViewsAdministration

Home : NoetixViews WorkbenchEnvironment: E BSPJD1

Promote » Capture

You chose to promote optional configuration settings.

Create a new zip file of the installs folder for 'E BSPJD1', provide the locations below, then click Upload.
Do not reuse the original zip file you used at initial capture.

Enter the path of the zipped installs folder

Browse...

Upload

⇒ 'NOETIX_views651_ebspjd1.zip' successfully uploaded to th


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Select the Package and click Upload button and click Next.

Home : NoetixViews WorkbenchEnvironment: E BSPJD1

Promote » Finish

Congratulations! You have successfully promoted 'E BSPJD1' to 'NOETIX_VIEWS651(Upgrade)'.

To complete the promotion process you must now stage 'Package_P02_B2_PROD' to the installs folder for 'NOETIX_VIEWS651(Upgrade)' and then deploy by running stage 4 in NoetixViews.
If you don't stage now you will have to rerun the promotion process later.

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The Promotion of the customizations completed. Now we need to upgrade this customizations.

Upgrade Noetix Views Workbench Customizations

After customizations are imported from one environment into another with a later Noetix Views version or the Noetix Views version of the underlying NOETIX_VIEWS schema is upgraded, some customizations may not be compatible with the underlying NOETIX_VIEWS schema of the target environment.

In such cases, you will not be able to work with Noetix Views Workbench until we have upgraded the customizations using the Upgrade My Customizations wizard. However, we will be able to export customizations from your environment.

Customization Upgrade Wizard

The Upgrade My Customizations wizard identifies the differences between our customizations and the NoetixViews version of the environment so that you can choose how the differences must be handled. Specifically, the wizard identifies the following:

Changes between the previous and current versions of NoetixViews, in the event that an upgrade has taken place.

Changes between the NoetixViews version of the environment and your customizations.

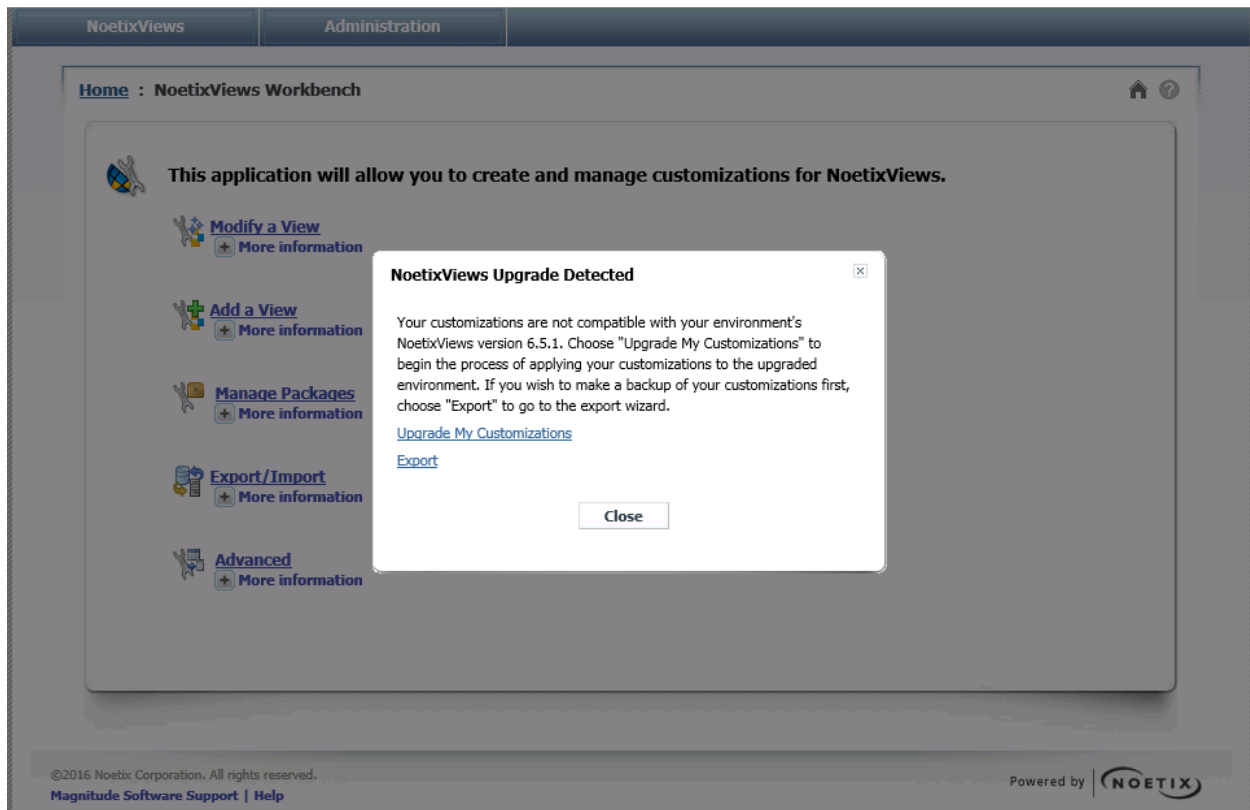
Customizations that will be directly applied to the upgraded environment.

Customizations that conflict with the current version of NoetixViews.

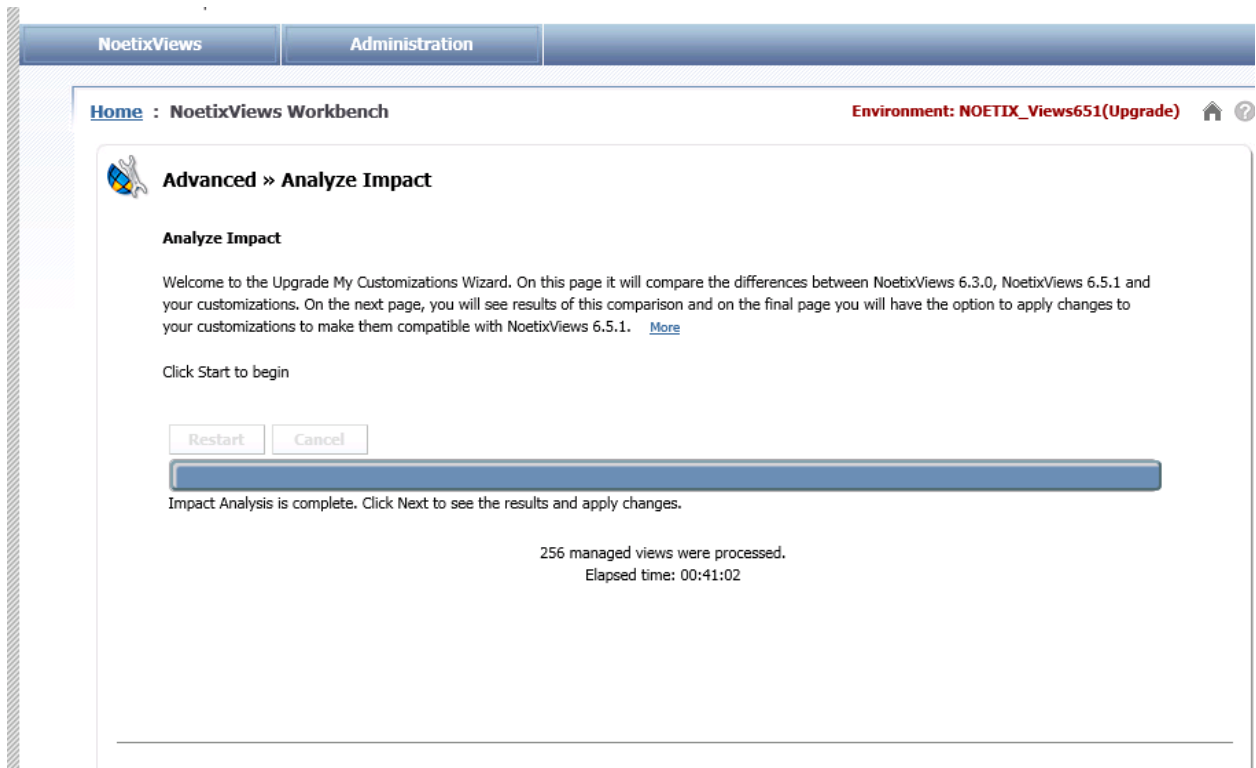
After the analysis is complete, the report will be generated. The impact analysis report will display all the conflicts detected between your customizations and the new version of NoetixViews. After you apply the changes, the NoetixViews version of all the managed views that had an earlier version of NoetixViews will be upgraded to the NoetixViews version of the environment. Thereafter, the changes made cannot be reverted.

Upgrade customizations

After the underlying NOETIX_VIEWS schema is upgraded or a package is imported, click Advanced. The NoetixViews Upgrade Detected dialog box appears.



Click on Upgrade My Customizations. It will start the Impact Analysis Page and Click on Start/Restart button.



Click Next. The Advanced » View Report page appears. Under View Impact Analysis Report, click one of the following options:


Show only conflicts: Displays the conflicts between the user changes and the changes in the underlying NoetixViews version of the environment.

Show only my changes: Displays all user changes including conflicts.

Click Show report. The impact analysis report will be displayed in a multi-column list. If we want to cancel the loading of the report, click Cancel, and click Yes in the Cancel Impact Analysis Report dialog box. The following details are available in the report:

NoetixViewsAdministration

Home : NoetixViews WorkbenchEnvironment: NOETIX_VIEWS651(Upgrade)



Advanced » View Report

View Impact Analysis Report

[More information](#)

Select whether you wish to view all proposed changes or just the conflicts, then click Show report.

☒ Show only conflicts

☐ Show only my changes

Show report


Cancel

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Advanced » View Report

View Impact Analysis Report

[More information](#)

Select whether you wish to view all proposed changes or just the conflicts, then click Show report.

☒ Show only conflicts

☐ Show only my changes

Show report

Cancel

This report displays where your customizations conflict with changes introduced in NoetixViews 6.5.1. All the rest of your customizations will be applied automatically, but are not displayed in this report.

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View Label	Rev	Component	Property	My Value	Noetix 6.5.1 value
AP_Bank_Accounts	0	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Bank_Accounts	1	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Checks	0	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Checks	1	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Invoice_Checks	0	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519

View Label	Rev	Component	Property	My Value	Noetix 6.5.1 value
AP_Bank_Accounts	0	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Bank_Accounts	1	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Checks	0	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Checks	1	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Invoice_Checks	0	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
AP_Invoice_Checks	1	roleTemplates [CASH_MANAGEMENT]	currentVersion	6.3.0.1282	6.5.0.1519
INV_Items	0		roleTemplates		
INV_Items	0	roleTemplates [FIELD_SERVICE]	currentVersion	6.3.0.1255	6.5.1.1552
INV_Items	0	View [INV_Items] » Query [1.0]	viewWhereTemplate		
INV_Items	2		roleTemplates		

Export As:

☒ XLS
 ☐ CSV
 ☐ XML

Export Report

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Next »

Click Next. It will start Perform Upgrade process

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Environment: NOETIX_VIEWS651(Upgrade)



Advanced » Perform Upgrade

Perform Upgrade

You can apply your customizations to NoetixViews 6.5.1 or you can keep the updates from Noetix. Click your choice below then click Apply to update your views in NOETIX_VIEWS651(Upgrade). This process will update up to 512 revisions in 256 views and could take a while. [More information](#)

Select either your changes or Noetix updates

☐ Apply my changes
 ☒ Accept Noetix updates

Start

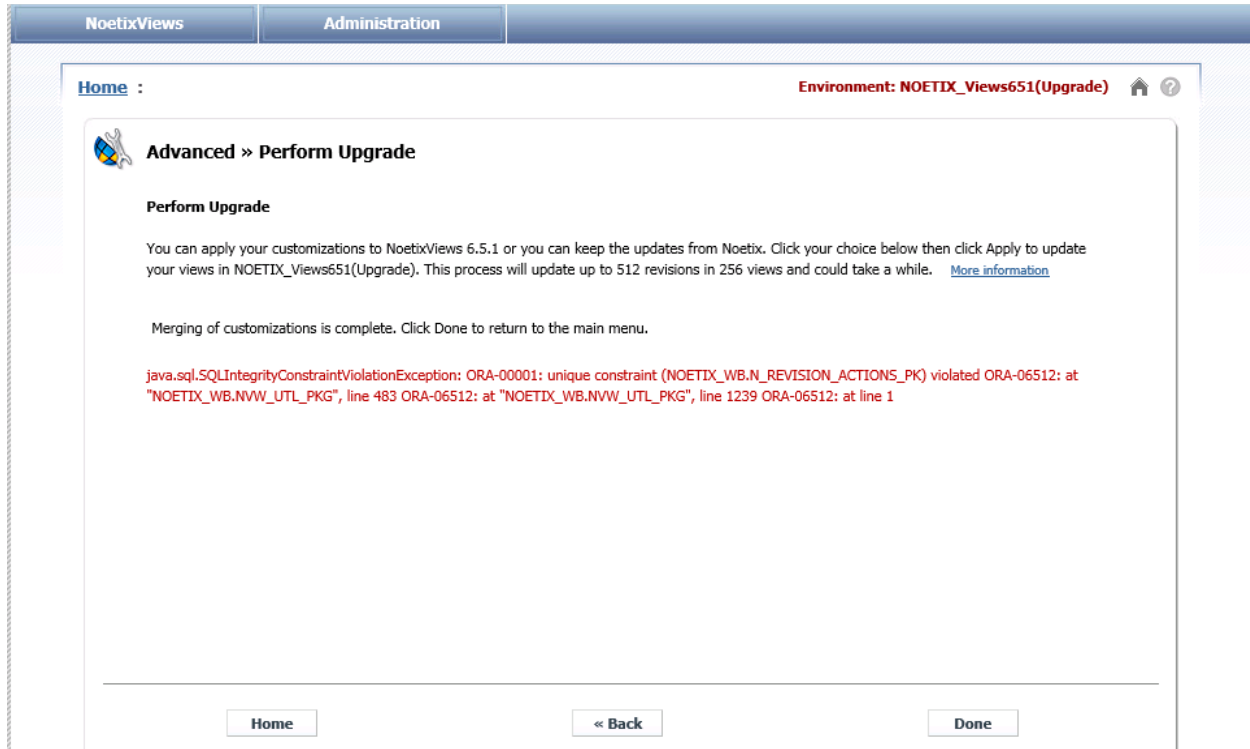
Cancel

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Done

Click Start button to start the Upgrade.



We raised the below SR with the Noetix to troubleshoot the issue.

00079128 - Upgrading of existing customization failed

As part of the resolution, Noetix support provided few fixes for NVW_UTL_PKG package.

After fixing the few issues in NVW_UTL_PKG package, we received the below error.

**Advanced » Perform Upgrade****Perform Upgrade**

You can apply your customizations to NoetixViews 6.5.1 or you can keep the updates from Noetix. Click your choice below then click Apply to update your views in NOETIX_Views651(Upgrade). This process will update up to 512 revisions in 256 views and could take a while. [More information](#)

Merging of customizations is complete. Click Done to return to the main menu.

java.sql.SQLException: ORA-01427: single-row subquery returns more than one row ORA-06512: at "NOETIX_WB.NVW_UTL_PKG", line 842 ORA-06512: at "NOETIX_WB.NVW_UTL_PKG", line 1241 ORA-06512: at line 1

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We received the above error because of some incorrect metadata entered by NVWB 2.1 because of some bugs. So, we identified those records and cleaned up the metadata to progress.

The below metadata statements are ran in the NOETIX_WB schema for eliminating the redundant and incorrect records.

Delete Statements

```
delete wb_join_key_templates j
WHERE j.view_label      = 'PO_All_Distribution_Vsat'
      AND j.key_name    = 'ROWID_FK_POHDR'
      AND j.referenced_view_label = 'PO_Vendor_Contacts';
```

```
delete wb_view_column_templates
where view_label      = 'PO_All_Distribution_Vsat'
and column_type = 'ROWID'
and column_label = 'POHDR$PO_Vendor_Contacts'
```

```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_All_Distribution_Vsat'
      AND j.key_name    = 'ROWID_FK_POHDR'
      AND j.referenced_view_label = 'PO_Vendor_Sites';
```

```
delete from wb_view_column_templates
where view_label      = 'PO_All_Distribution_Vsat'
and column_type = 'ROWID'
and column_label = 'POHDR$PO_Vendor_Sites'
```

```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_All_Distribution_Vsat'
      AND j.key_name    = 'ROWID_FK_POHDR'
      AND j.referenced_view_label = 'PO_Blanket_POs';
```

```
delete
from wb_view_column_templates
where view_label      = 'PO_All_Distribution_Vsat'
and column_type = 'ROWID'
```

and column_label = 'POHDR\$PO_Blanket_POs'

```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_PO_Distributions'
AND j.key_name          in ( 'ROWID_FK_PDSTR' )
AND j.referenced_view_label = 'PO_PO_Lines';
```

```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_PO_Distributions'
AND j.key_name          in ( 'ROWID_FK_PDSTR' )
AND j.referenced_view_label = 'PO_PO Shipments';
```

```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_PO_Distributions'
AND j.key_name          in ( 'ROWID_FK_PDSTR' )
AND j.referenced_view_label = 'PO_Purchase_Orders';
```

```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_PO_Distributions'
AND j.key_name          in ( 'ROWID_FK_POHDR' )
AND j.referenced_view_label = 'PO_Vendor_Contacts';
```

```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_PO_Distributions'
AND j.key_name          in ( 'ROWID_FK_POHDR' )
AND j.referenced_view_label = 'PO_Vendor_Sites';
```

```
delete from wb_view_column_templates
where view_label      = 'PO_PO_Distributions'
and column_type = 'ROWID'
and column_label in
('PDSTR$PO_Purchase_Orders','PDSTR$PO_PO Shipments','POHDR$PO_Vendor_Cont
acts', 'PDSTR$PO_PO_Lines', 'POHDR$PO_Vendor_Sites' )
```

```
delete from wb_join_key_templates j
```

```
WHERE j.view_label      = 'PO_Expected_Receipts_Vsat_Bkp'
AND j.key_name          = 'ROWID_FK_POHDR'
AND j.referenced_view_label = 'PO_Vendor_Contacts';
```

```
delete from wb_view_column_templates
where view_label      = 'PO_Expected_Receipts_Vsat_Bkp'
and column_type = 'ROWID'
and column_label = 'POHDR$PO_Vendor_Contacts'
```



```
delete from wb_join_key_templates j
WHERE j.view_label      = 'PO_Expected_Receipts_Vsat_Bkp'
AND j.key_name          = 'ROWID_FK_RCVTR'
AND j.referenced_view_label <> 'PO_PO_Shipments';
```


```
delete from wb_view_column_templates
where view_label      = 'PO_Expected_Receipts_Vsat_Bkp'
and column_type = 'ROWID'
and column_label in ('RCVTR$PO_PO_Lines', 'RCVTR$PO_Vendor_Sites',
'RCVTR$PO_PO_Distributions' )
```

After cleaning up the incorrect metadata by using the above delete statements we are able to successfully upgrade

NoetixViewsAdministration

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Environment: NOETIX_VIEWS651(Upgrade)  

 **Advanced » Perform Upgrade**

Perform Upgrade

You can apply your customizations to NoetixViews 6.5.1 or you can keep the updates from Noetix. Click your choice below then click Apply to update your views in NOETIX_VIEWS651(Upgrade). This process will update up to 512 revisions in 256 views and could take a while. [More information](#)

Merging of customizations is complete. Click Done to return to the main menu.