



Noetix Views 6.5.1 Upgrade Guide

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Document Control

Change Record

Date	Author	Version	Change Reference
05/04/16	Srinivasa Rao Akula	1.0	Initial Version

Reviewers

Name	Project Role

Distribution

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Installation Pre-Requisites

- **Note:**
 - o Take the backup of existing install folder.

Installation Summary

The following steps are needed to upgrade the existing noetix_views schema to latest version.

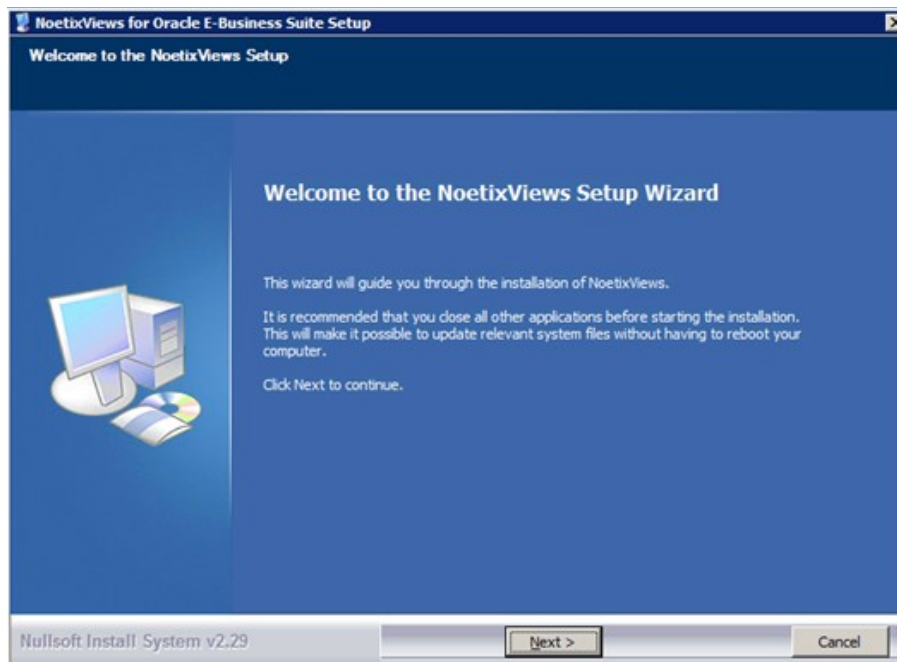
- Install the NV 6.5.1 software by selecting the installation folder of existing schema.
- Overwrite the below files after copying the software
wnoetxu3.sql
wnoetxuk.sql
n_temp_customizations.sql

Install Noetix Views 6.5.1

- Run the setup.exe of the Noetix Views Administrator of the NVA 6.5.1

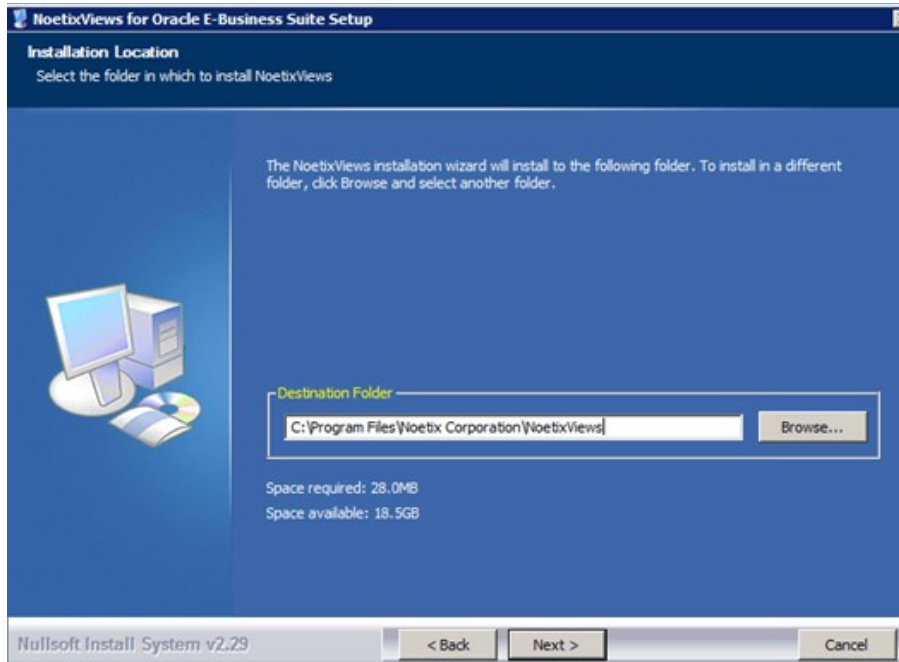
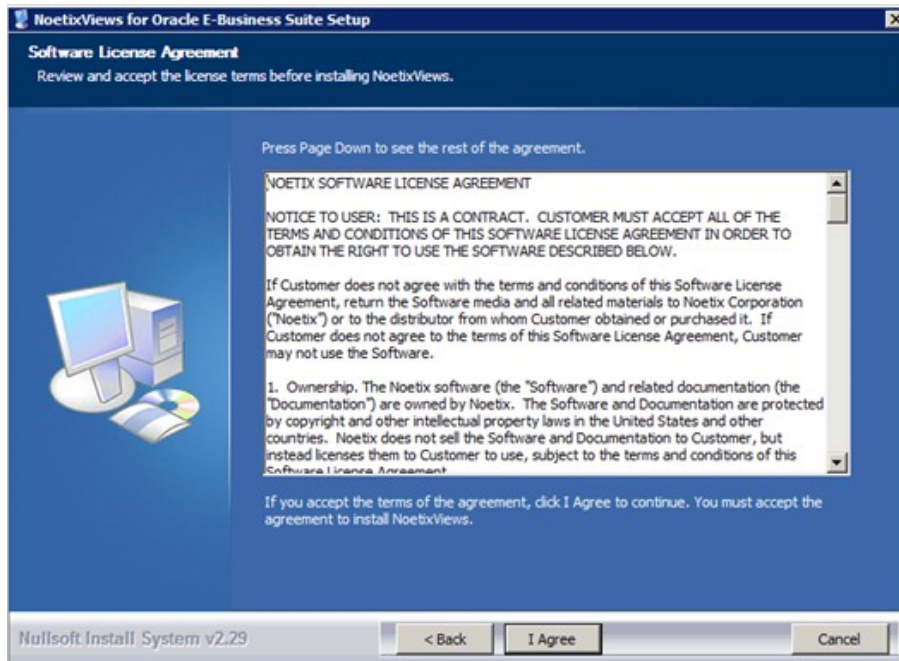


- Click Noetix Views. Setup wizard appears

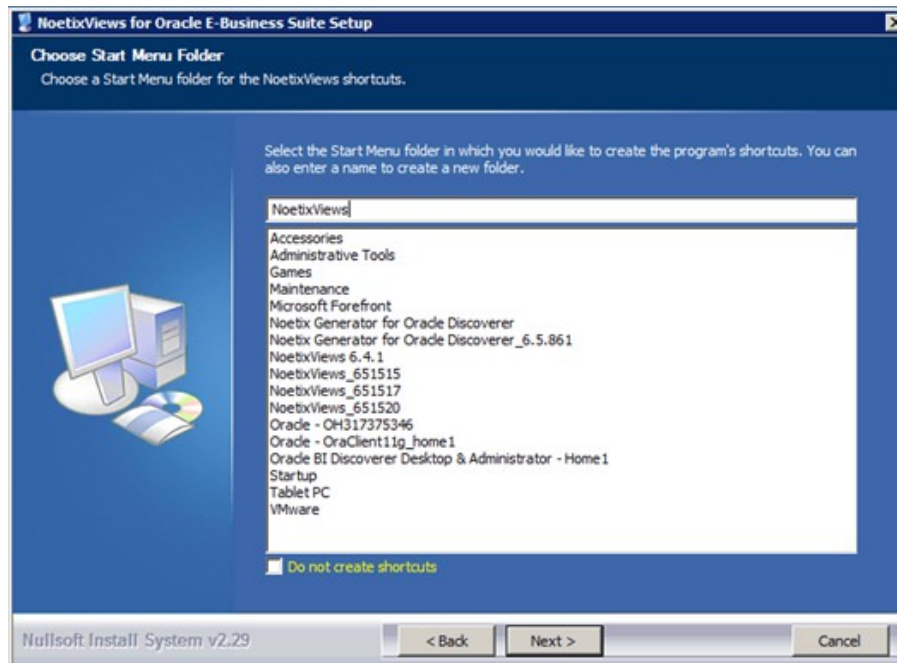


- Click Next

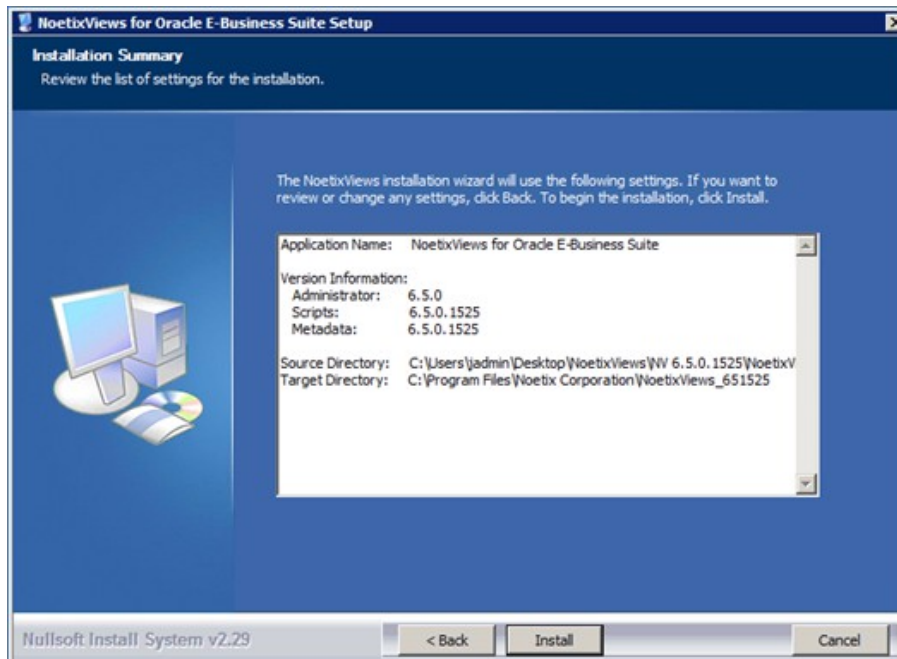
- Click I agree and Select the existing install folder (for upgrade)



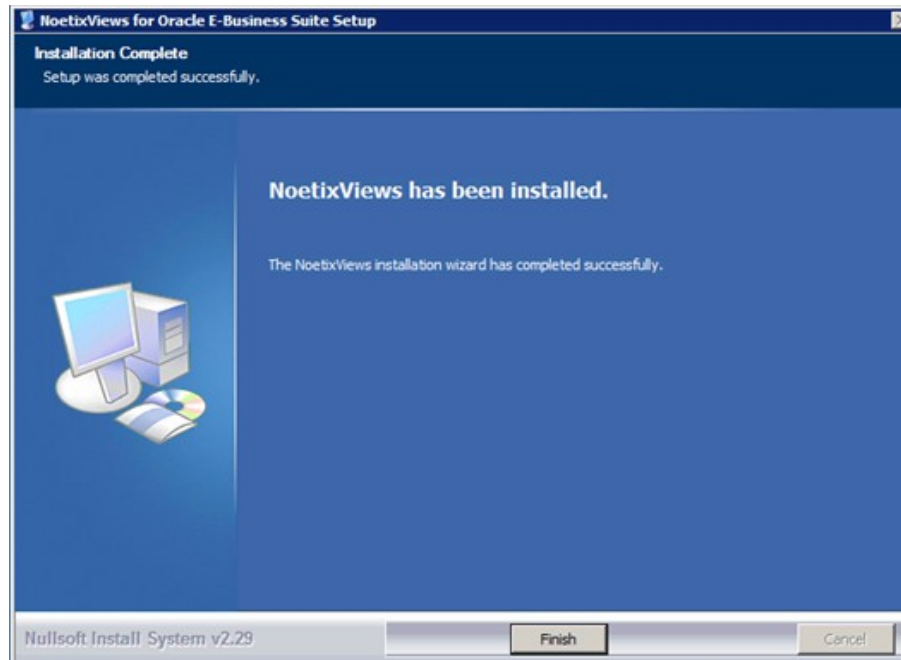
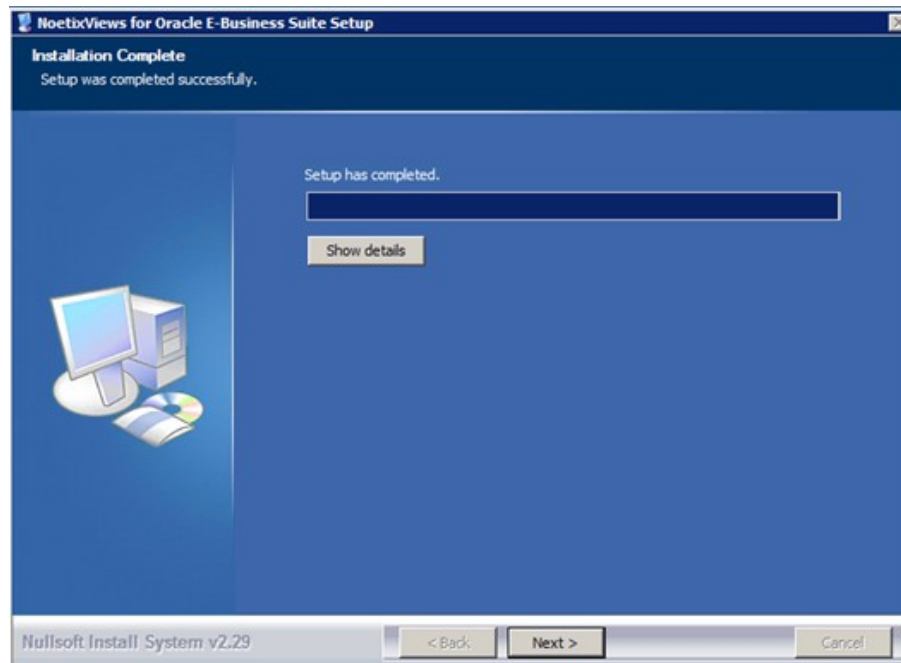
Click Next and provide the short cut name and Click Next



Click Install Button



Click Next



Overwriting/Copying the files in install directory

- Overwrite the below files after upgrading the software in the install folder
wnoetxu3.sql and wnoetxuk.sql → To Suppress the payroll datamart
n_temp_customizations.sql → To fix the existing bugs in NVA 6.5.1
- Copy PJM_Ledger_Id.sql file in the install directory
- Invoke 'PJM_Ledger_Id.sql' from wnoetxu2.sql file.

Upgrading the NOETIX_VIEWS schema

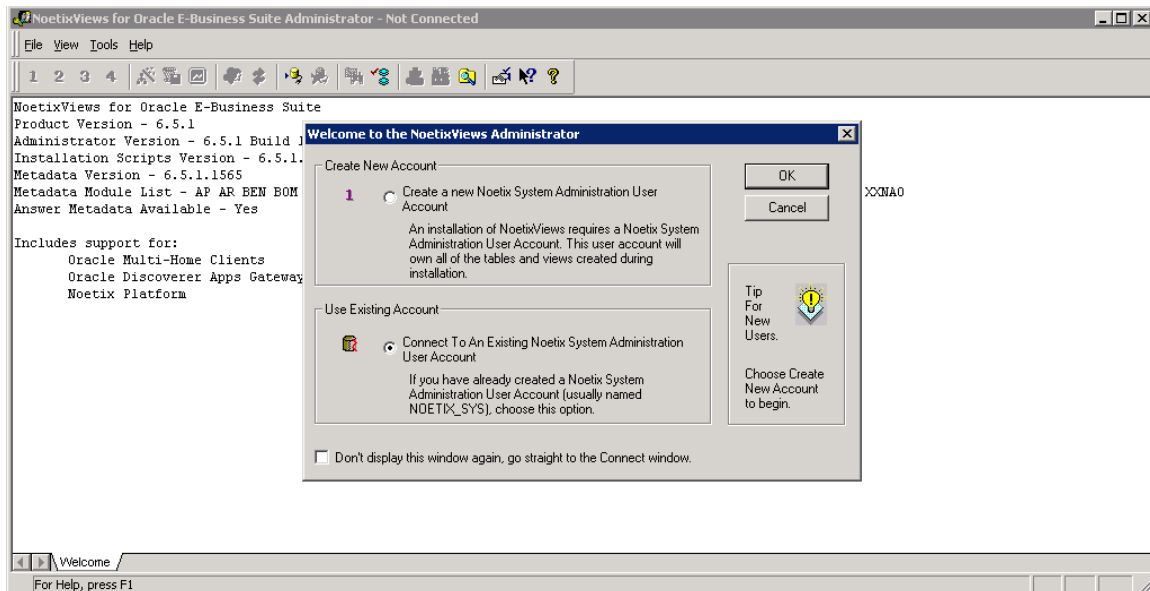
After overwriting the above mentioned files, we need to perform the below steps to upgrade the NOETIX_VIEWS schema.

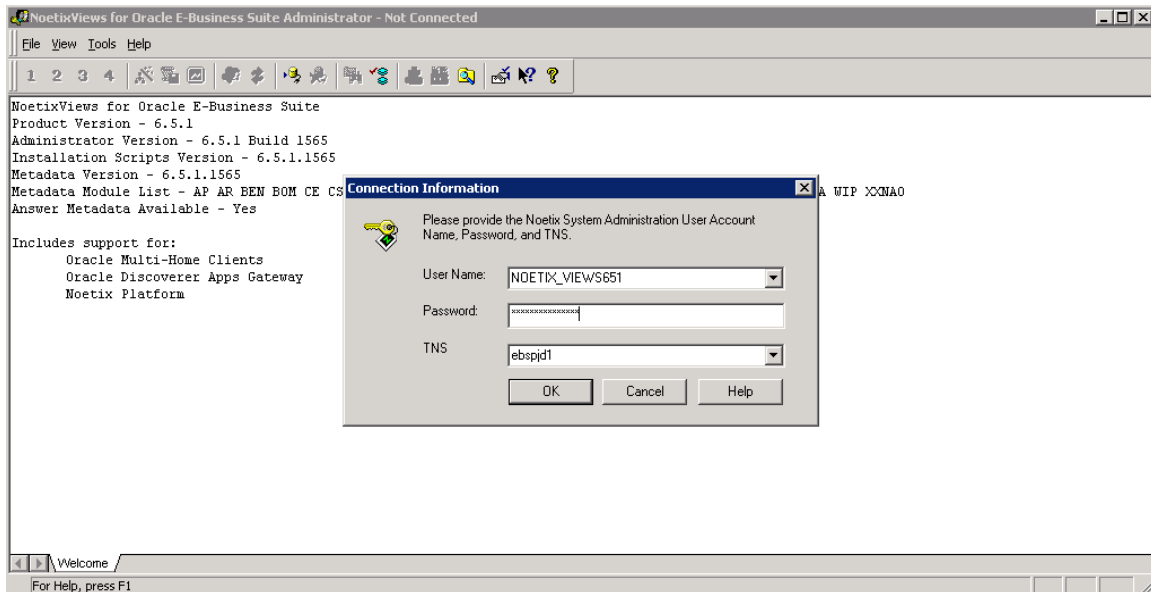
1. Run Preupdates
2. Run Stage 2 of NVA
3. Run Stage 3 of NVA
4. Run Stage 4 of NVA

Run Preupdates

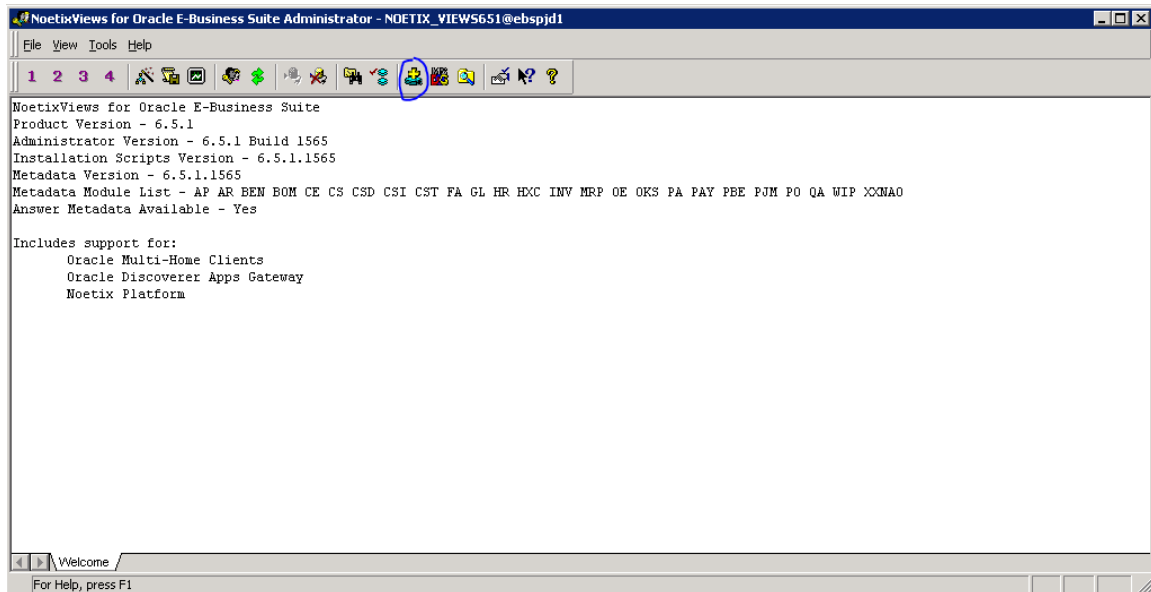
The pre-update process can be initiated by clicking the Pre-Update Script on the Tools menu or selecting SQL Plus option and run the preupd.sql file. This script prepares your generation for an upgrade of NoetixViews.

Connect to the NOETIX_VIEWS651 schema.

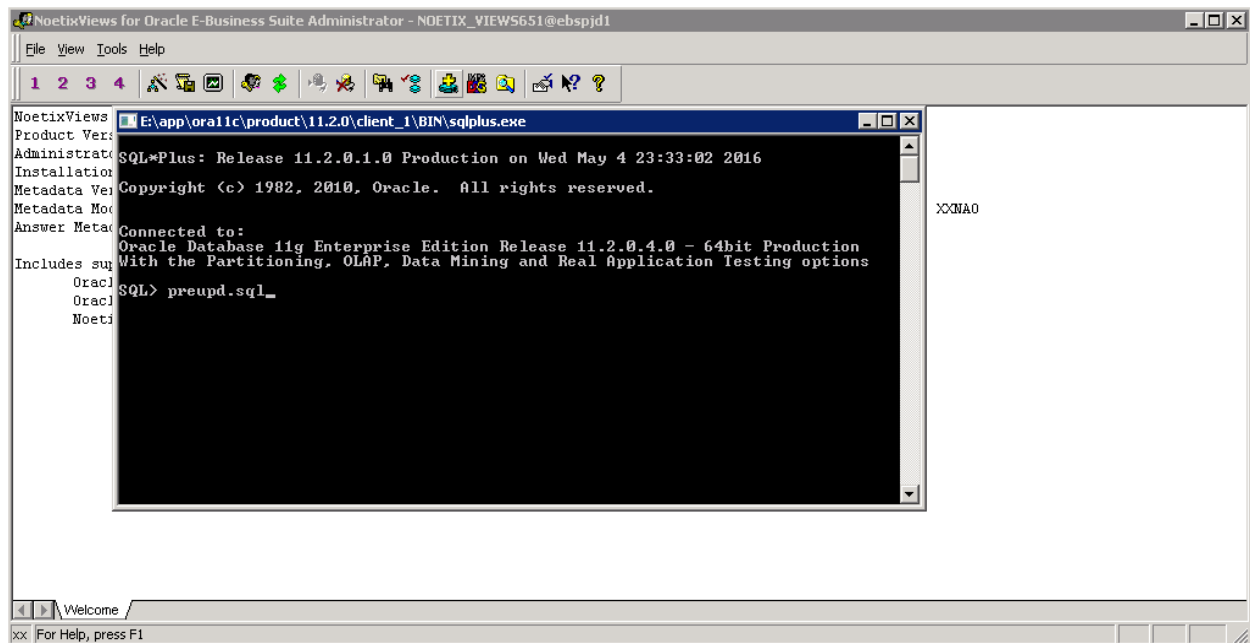




Click on SQL Plus option

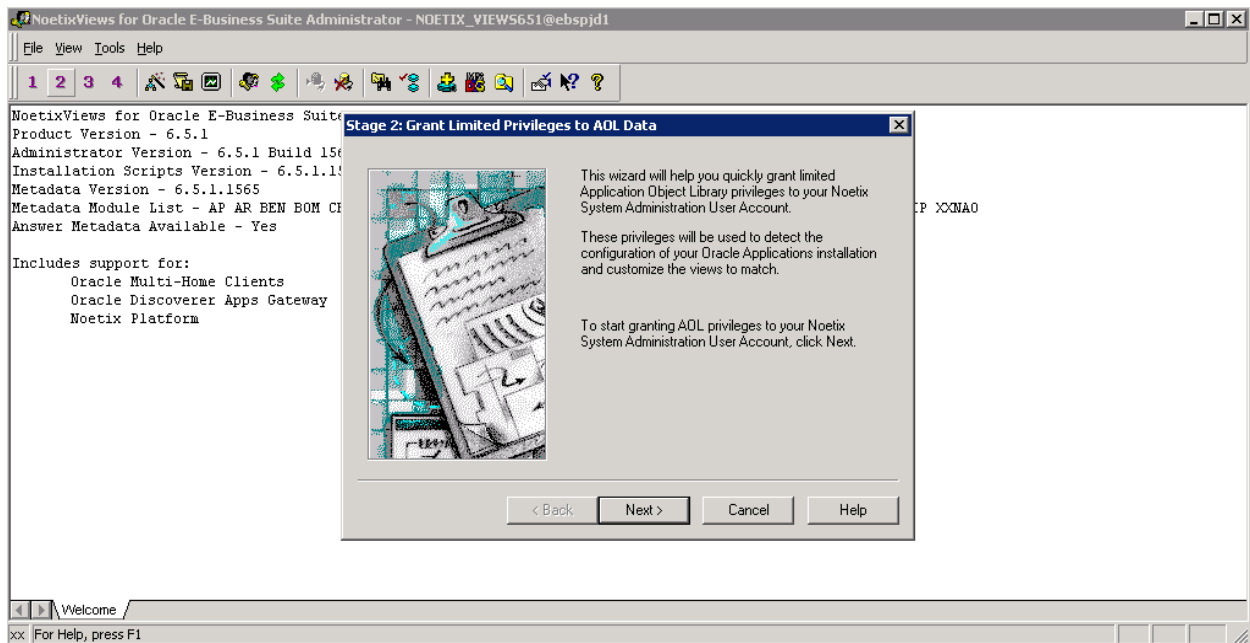


Run preupd.sql script mentioned like below

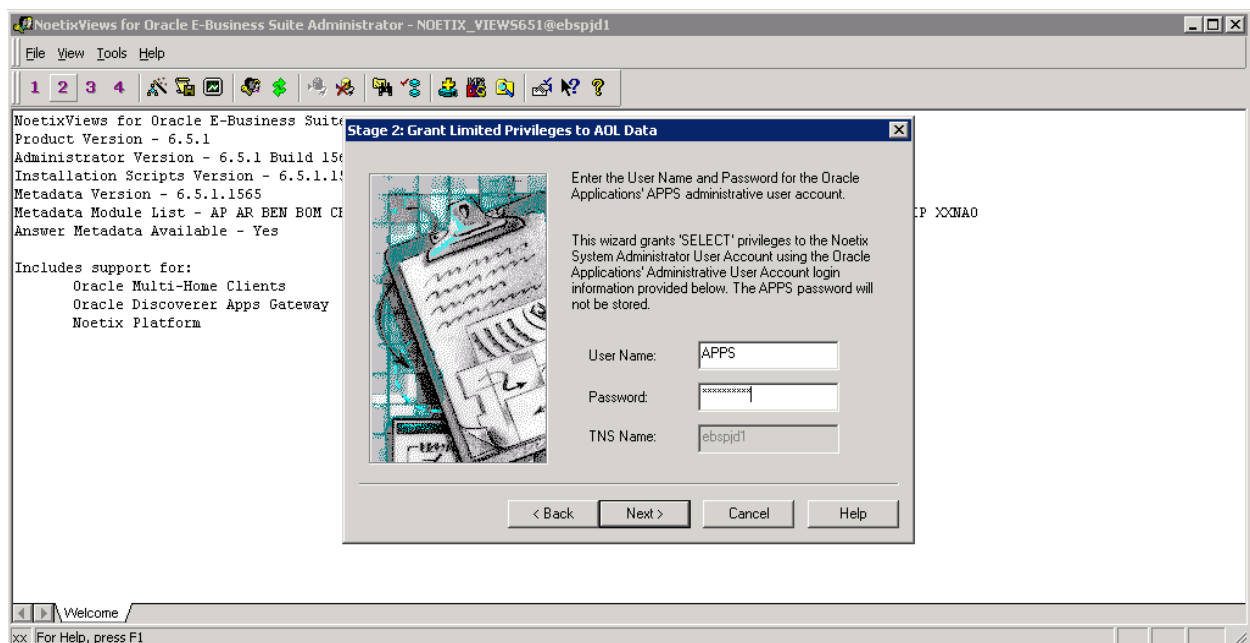


After preupd.sql completed. Start running the stage-2

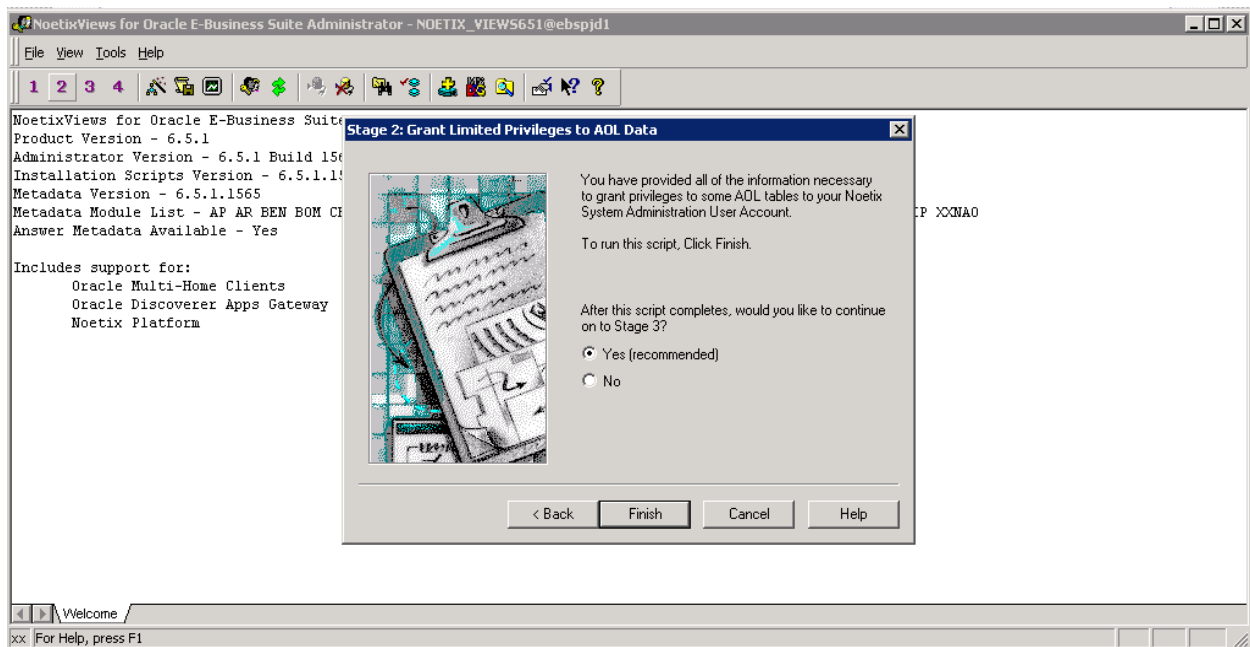
Run Stage 2 of NVA



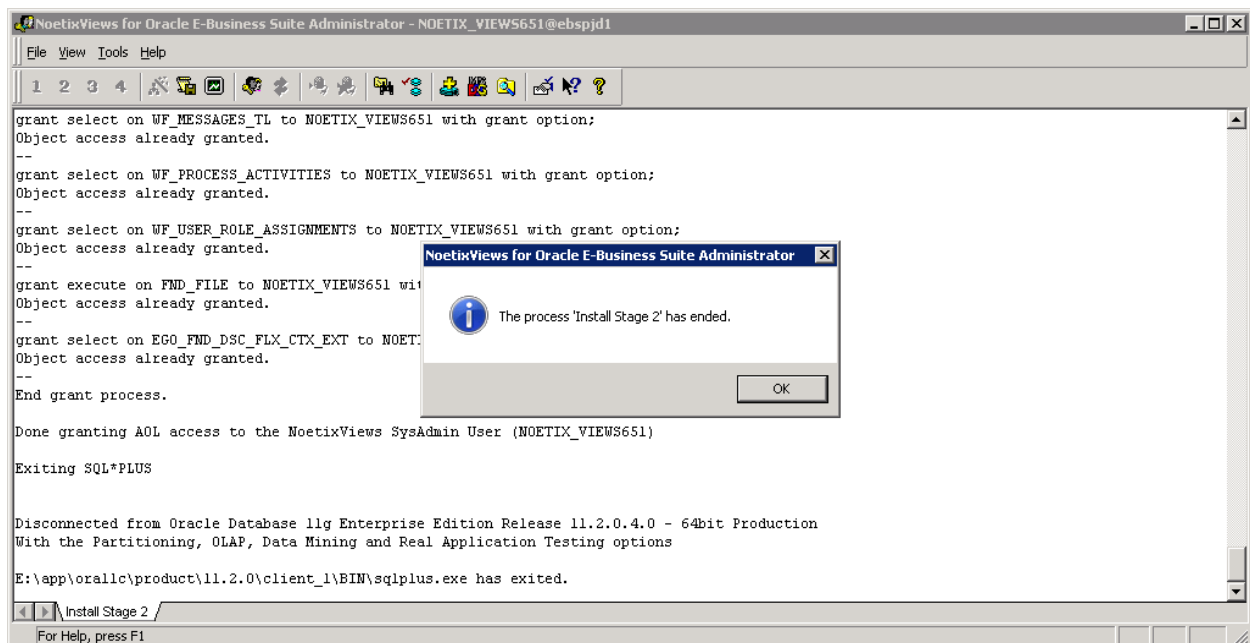
Click Next



Enter the 'APPS' password and Click 'Next'

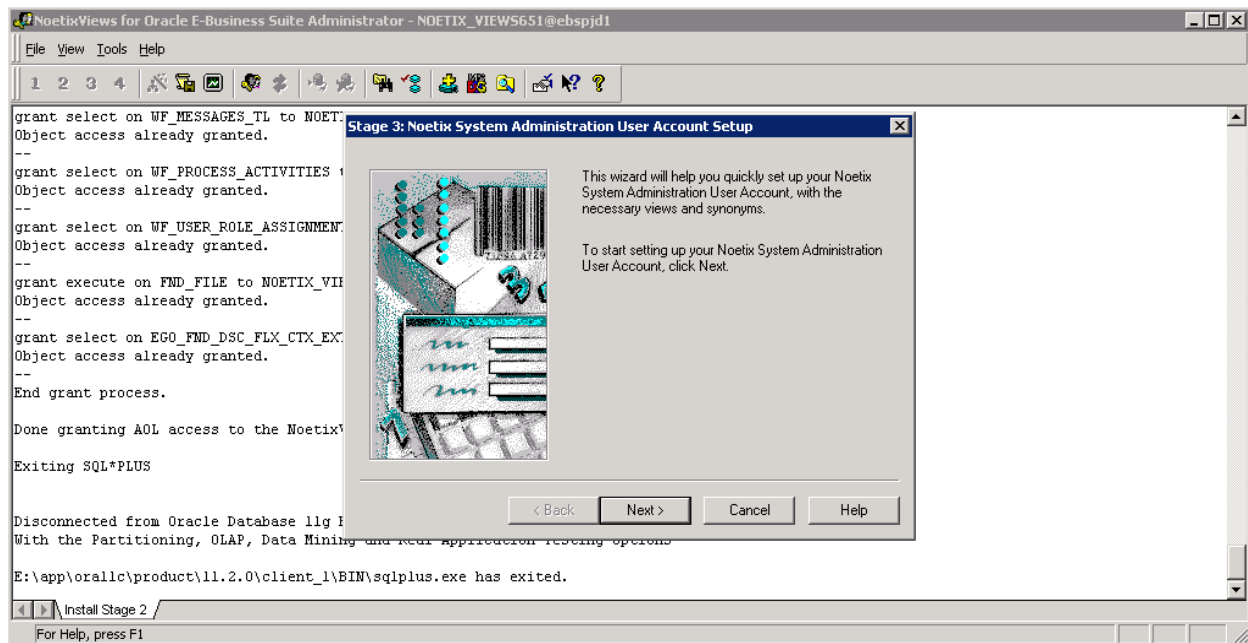


Click Finish button

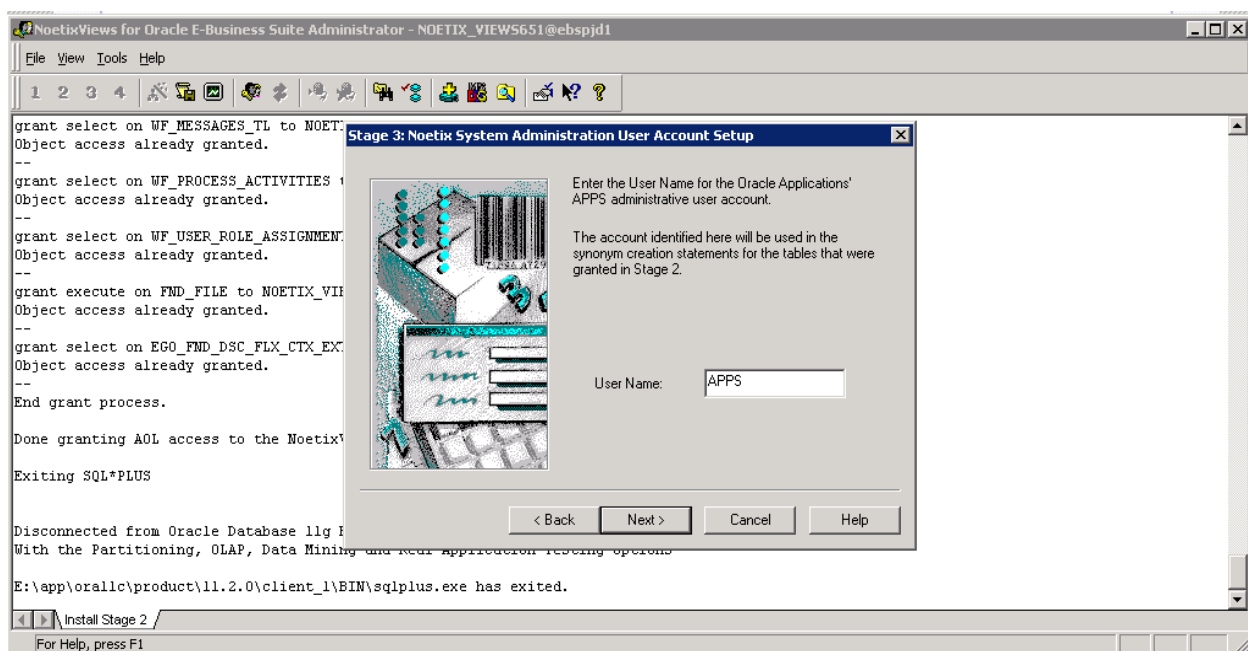


Click 'Ok'. It will start the Stage 2.

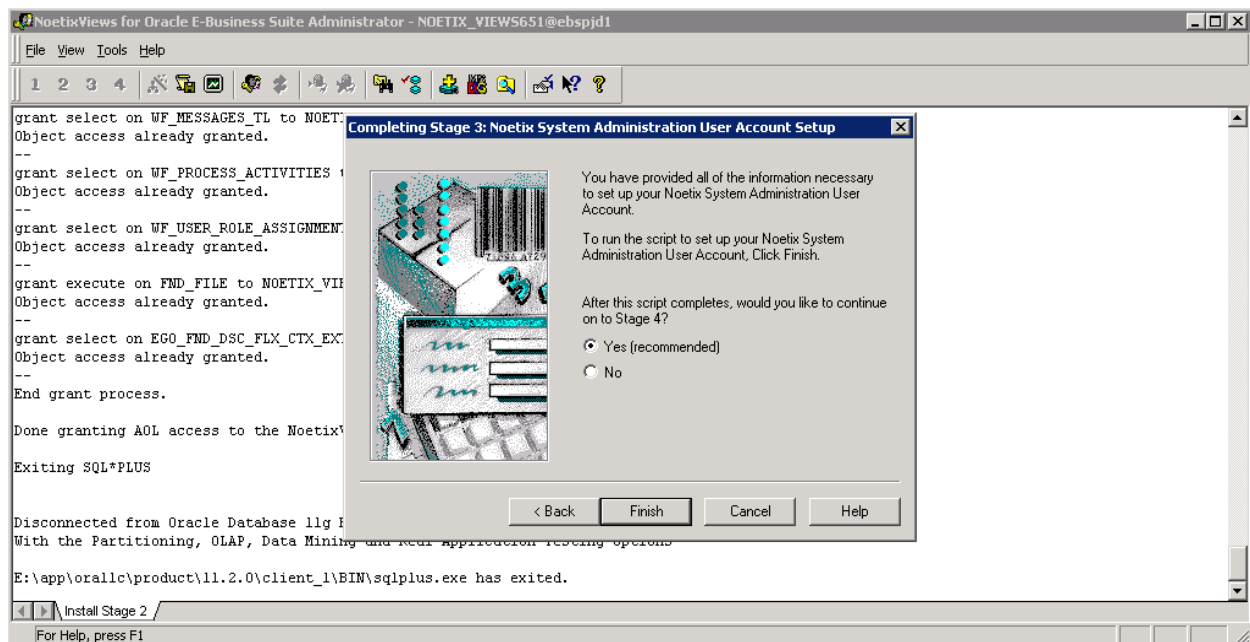
Run Stage 3 of NVA



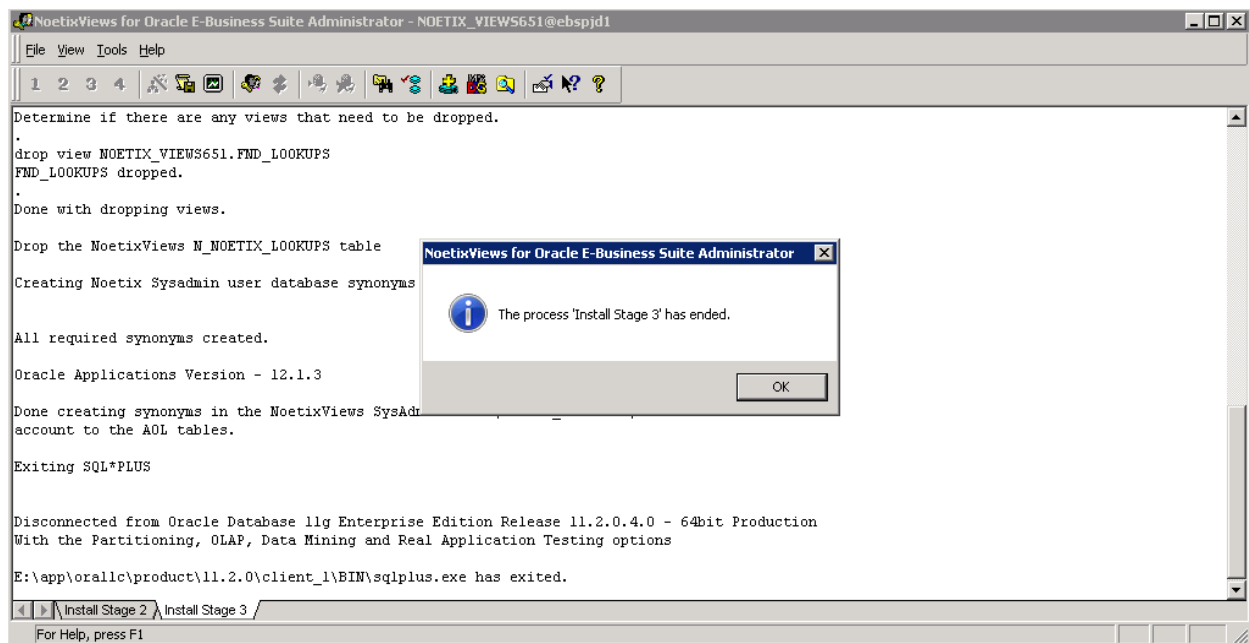
Click Next



Click Next

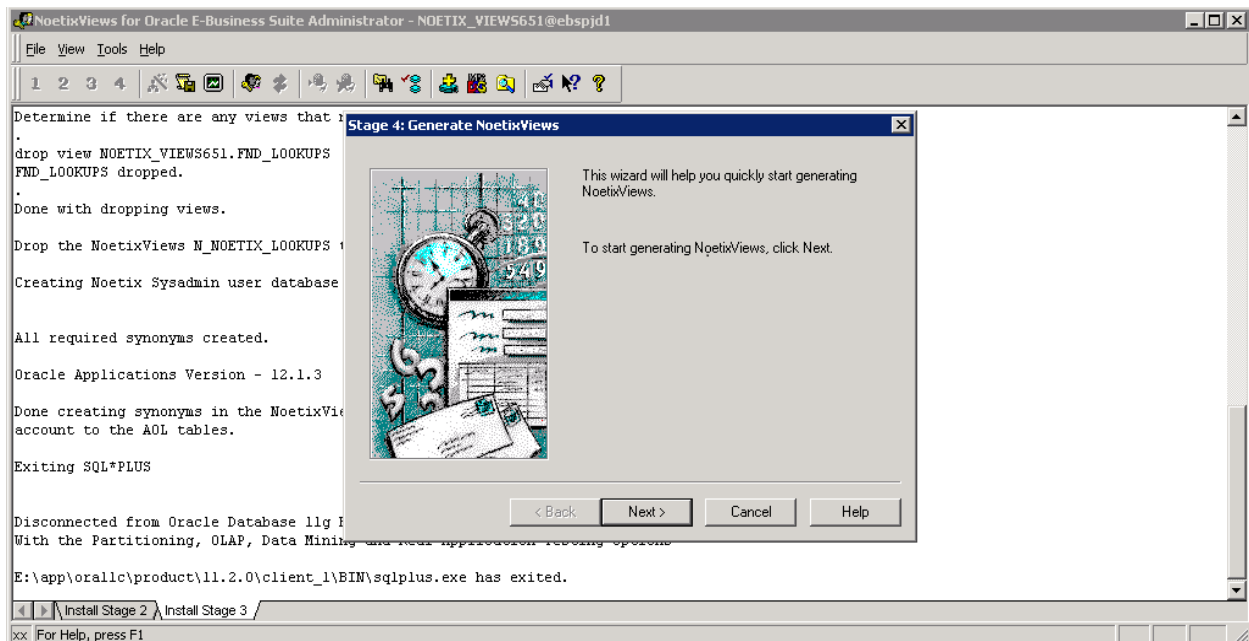


Click 'Finish'

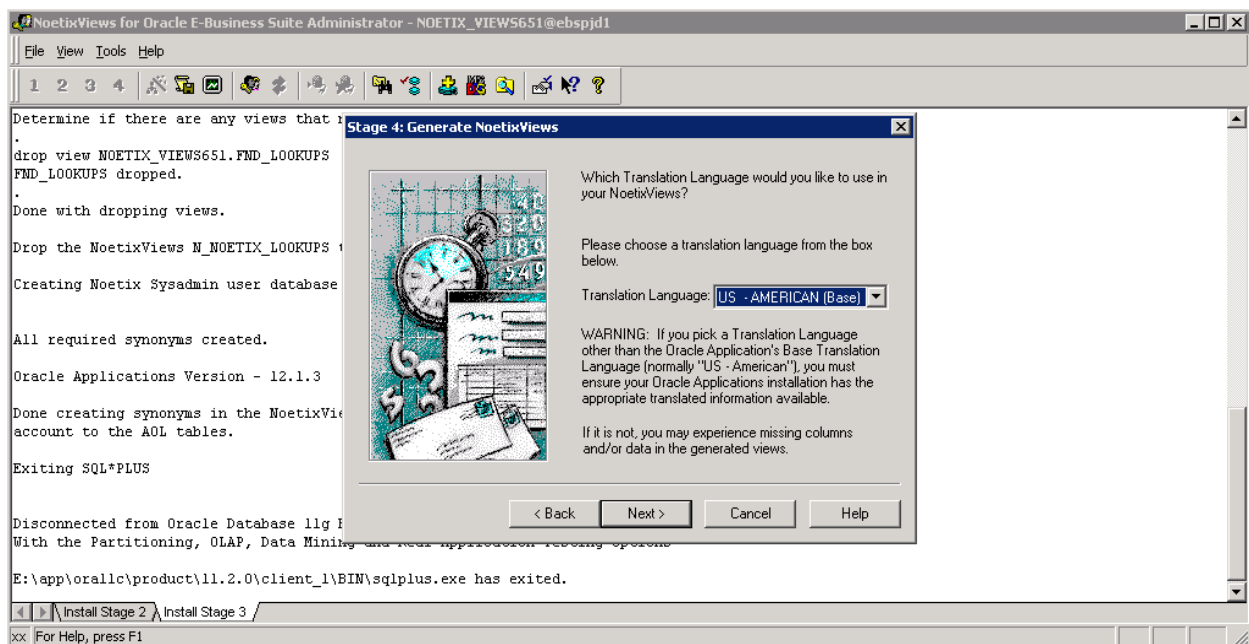


Click Ok. It will start the Stage 4.

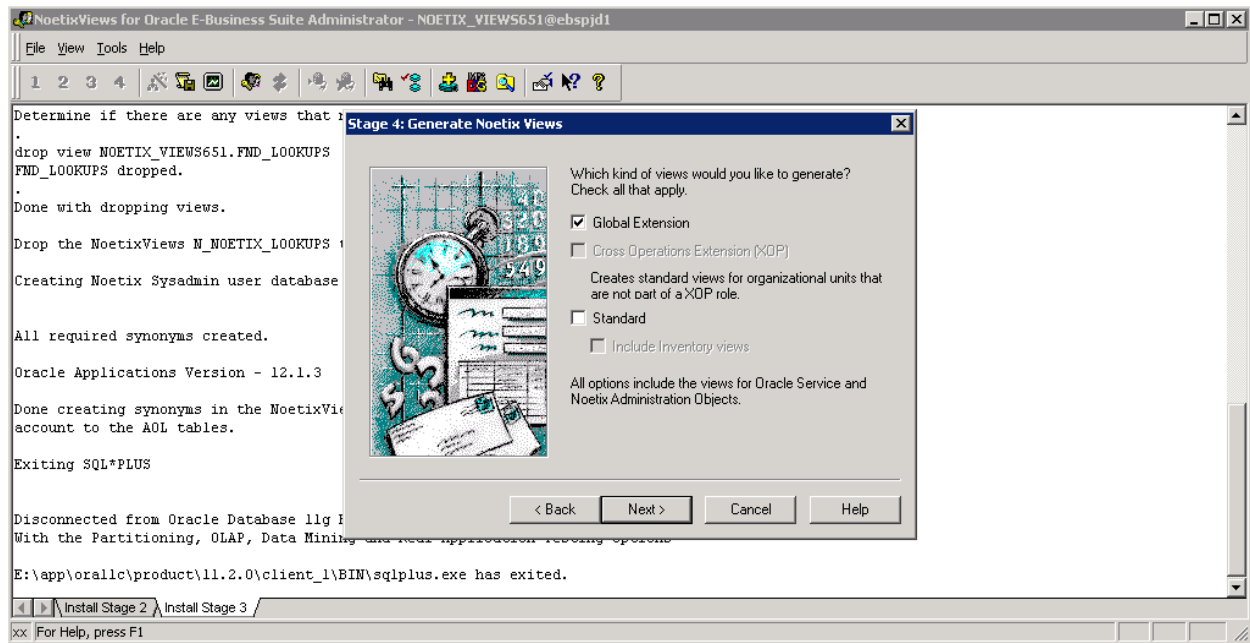
Run Stage 4 of NVA



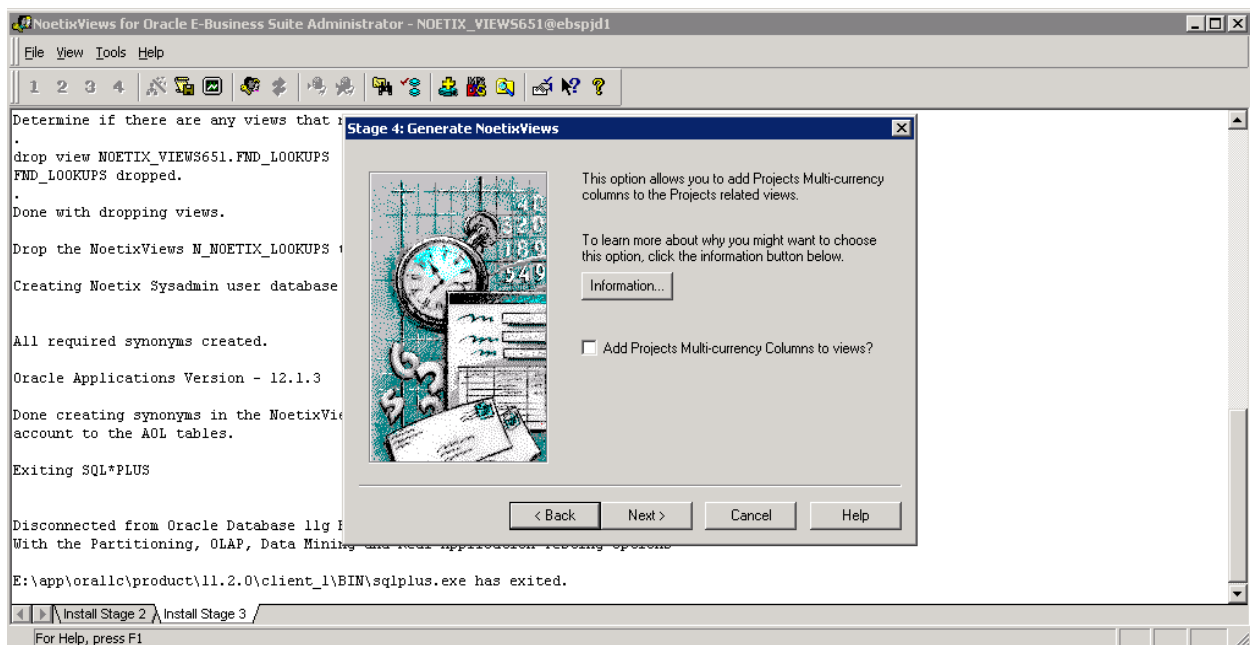
Click Next.



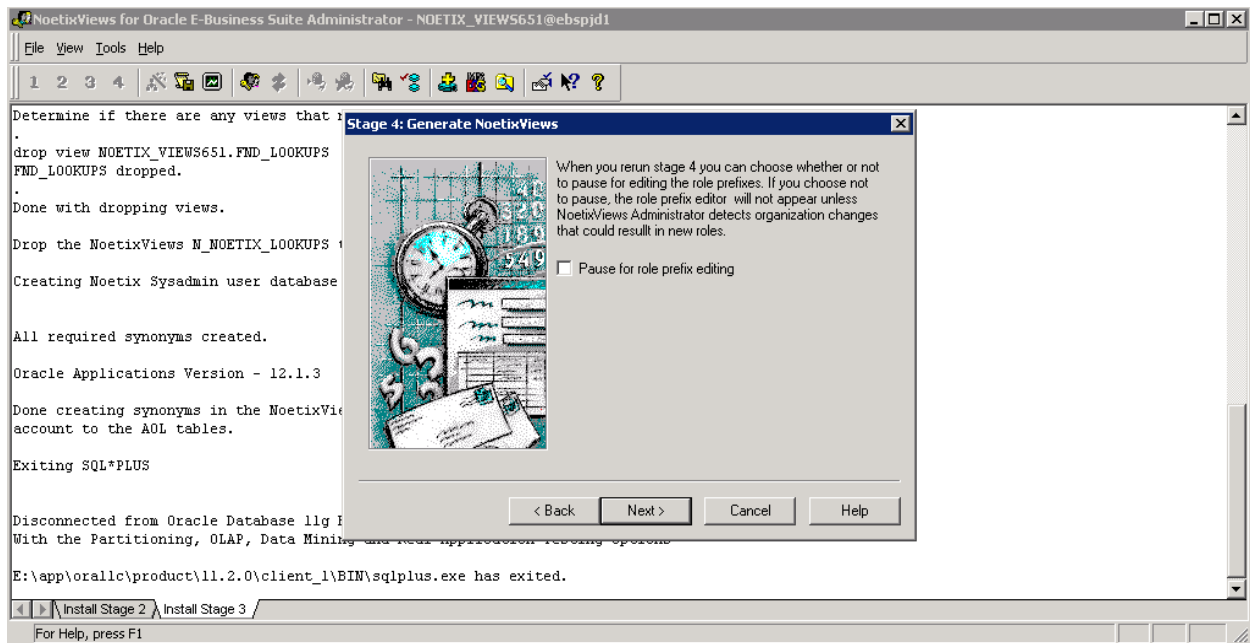
Select the Translation language as 'US - AMERICAN(Base)' and click Next



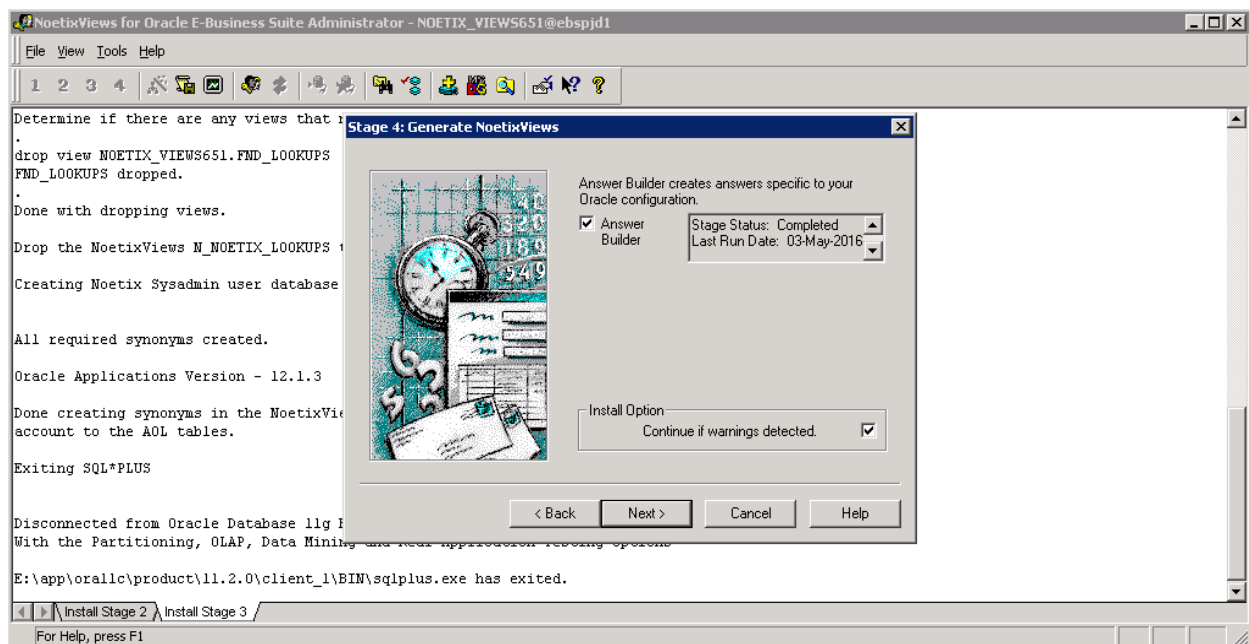
Select the 'Global Extension' and Click 'Next'



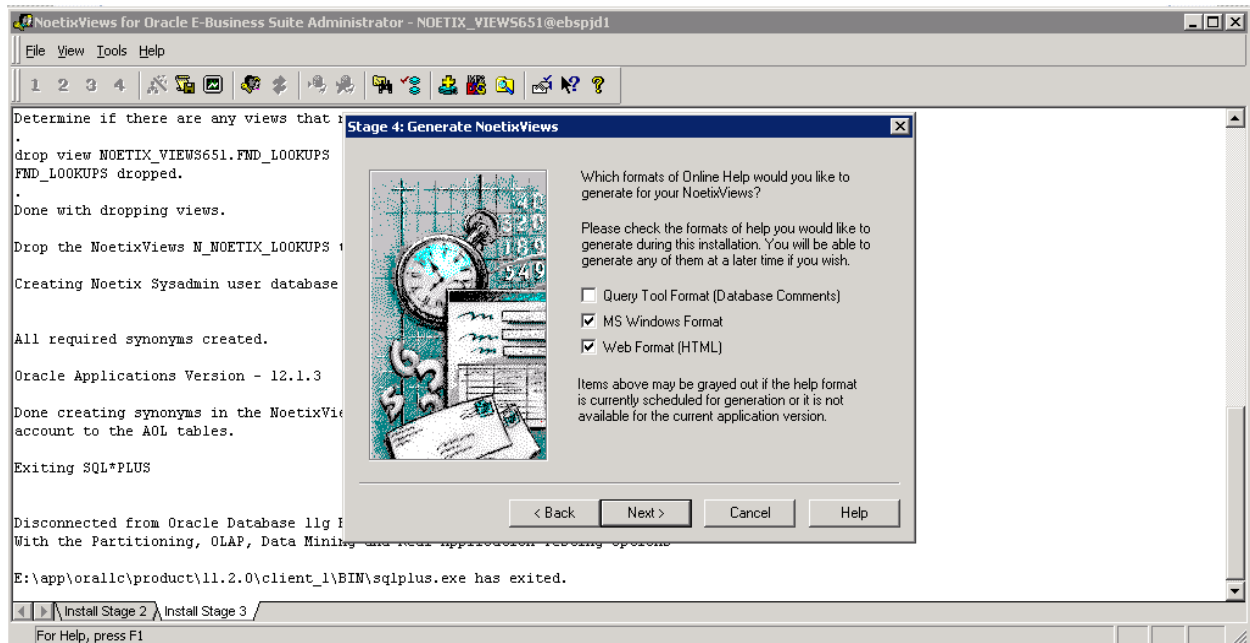
Uncheck Add Project Multi currency Columns to Views? Option and Click 'Next'



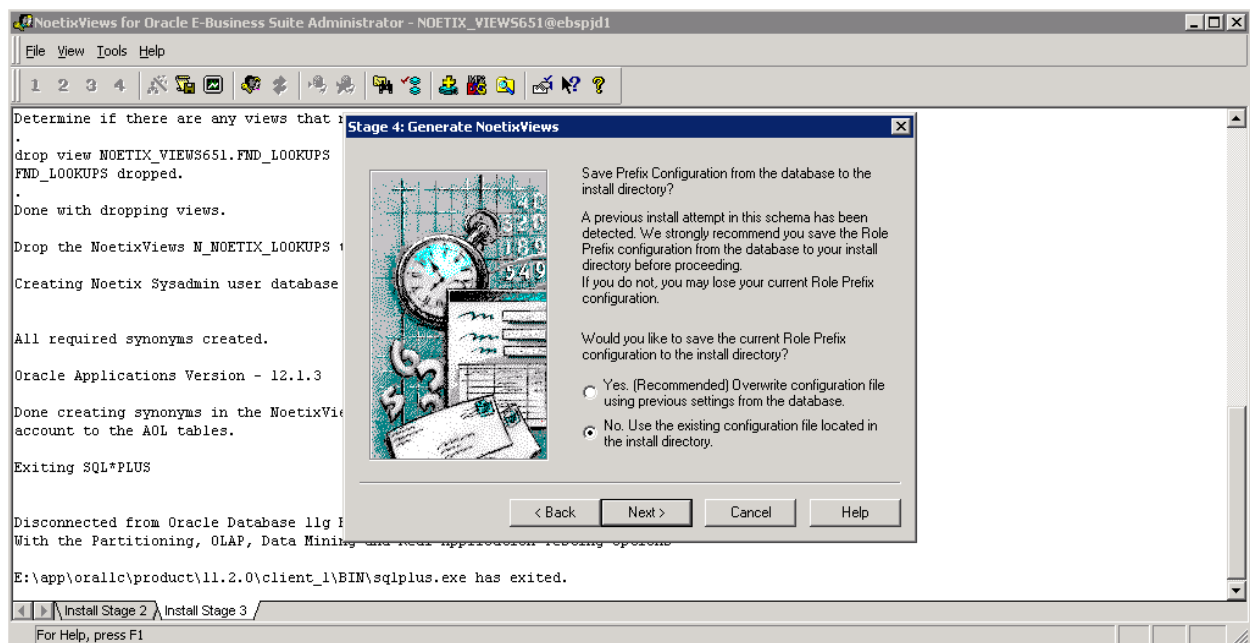
Uncheck the 'Pause for role prefix editing' option and click 'Next'



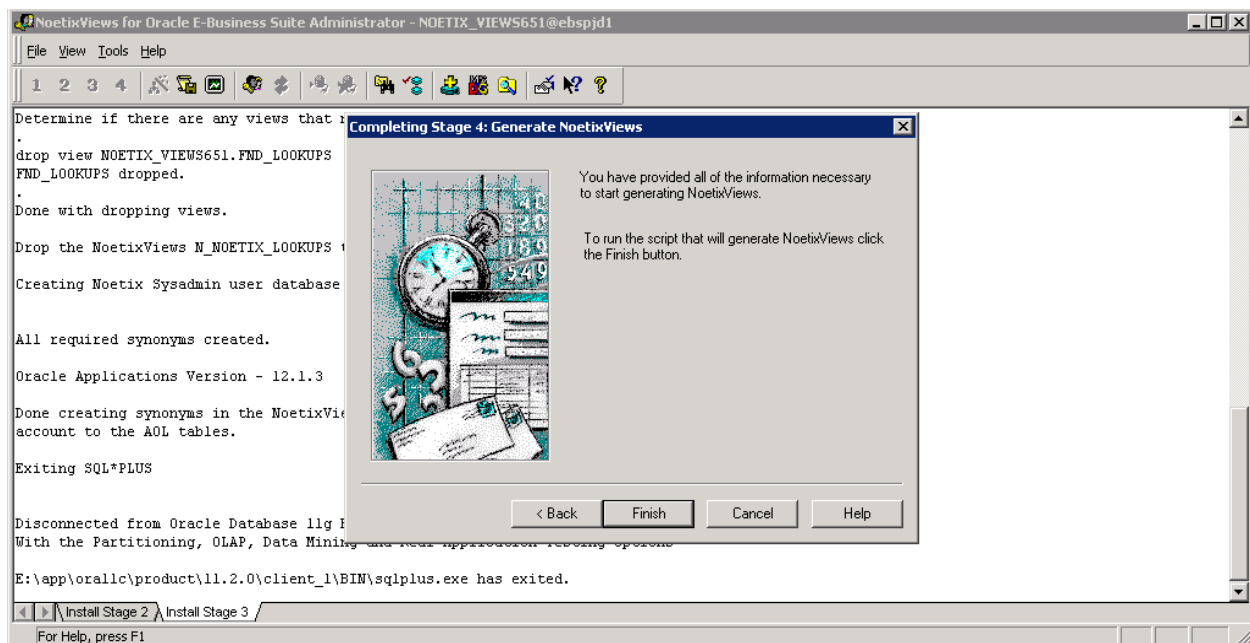
Select the 'Answer Builder' option Click 'Next'



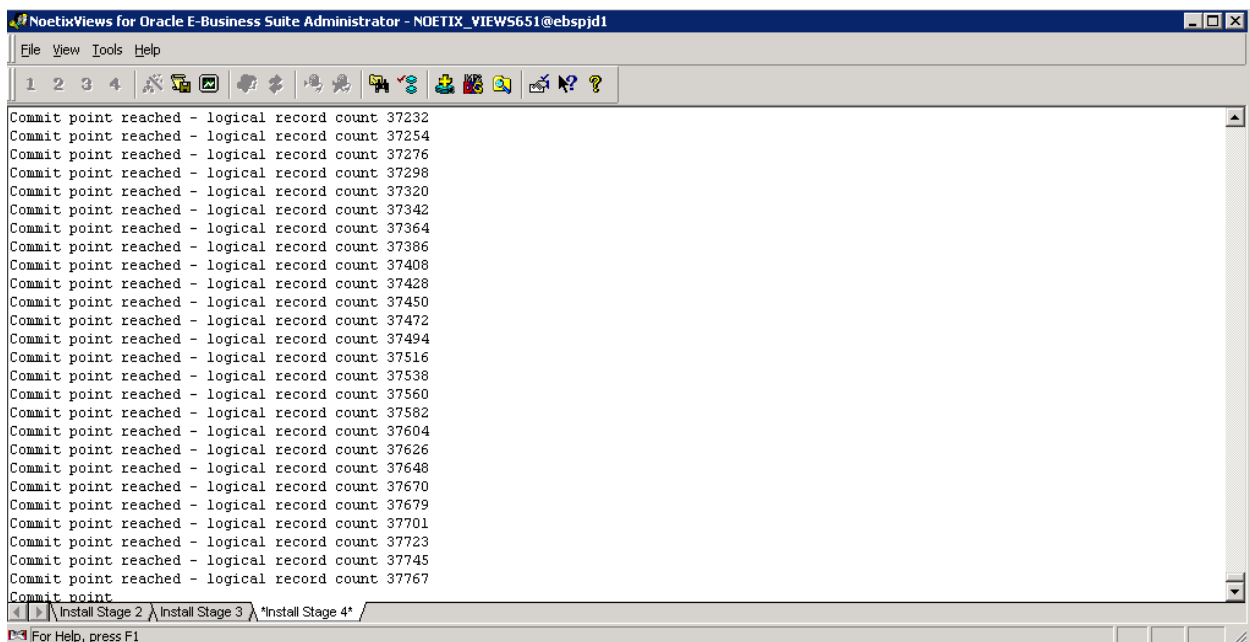
Select the required help file formats and Click Next



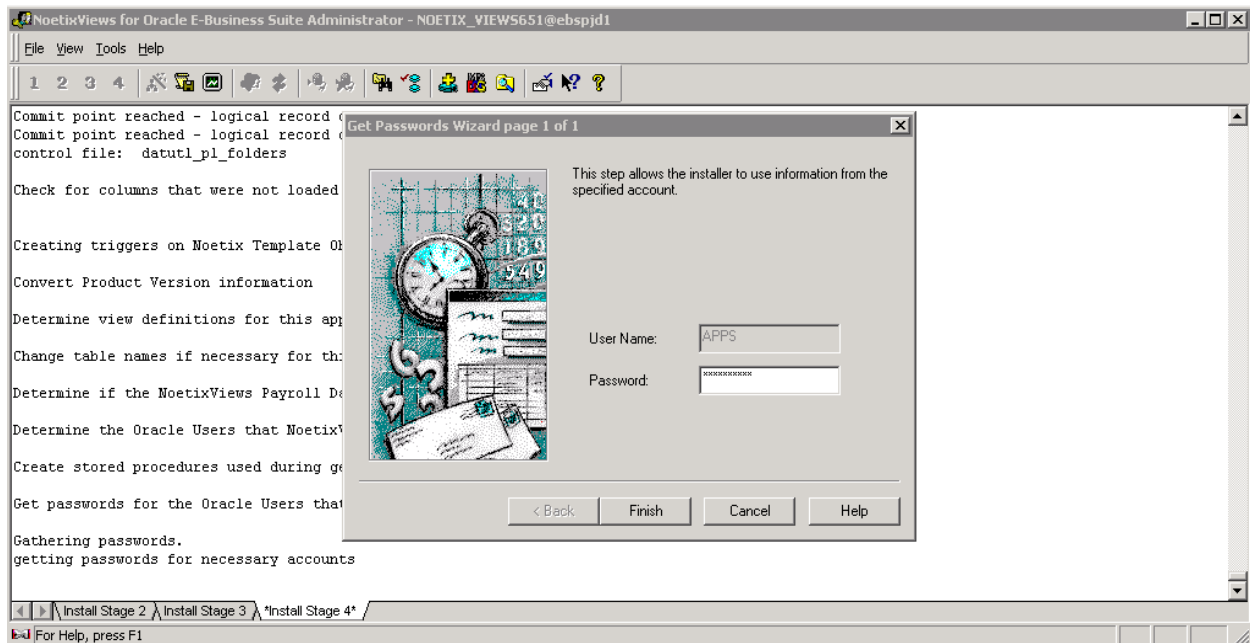
Select 'No' option and Click 'Next'



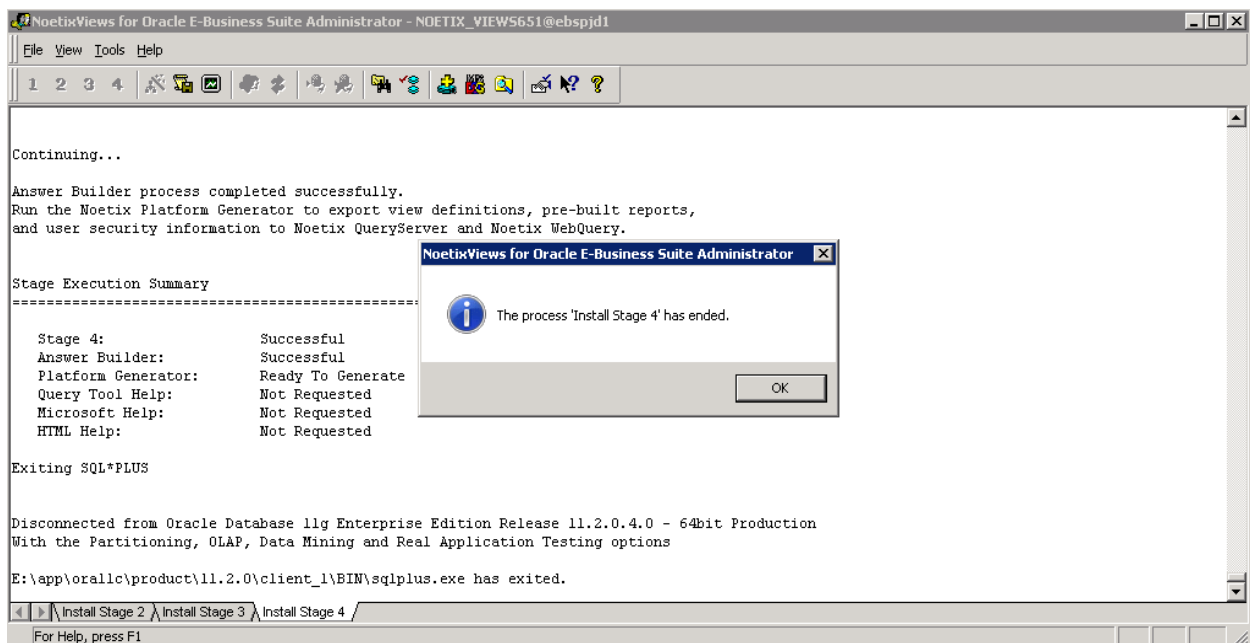
Click 'Finish' button. It starts upgrading the existing schema.



After 10-15 minutes....



Provide the APPS password and Click Next



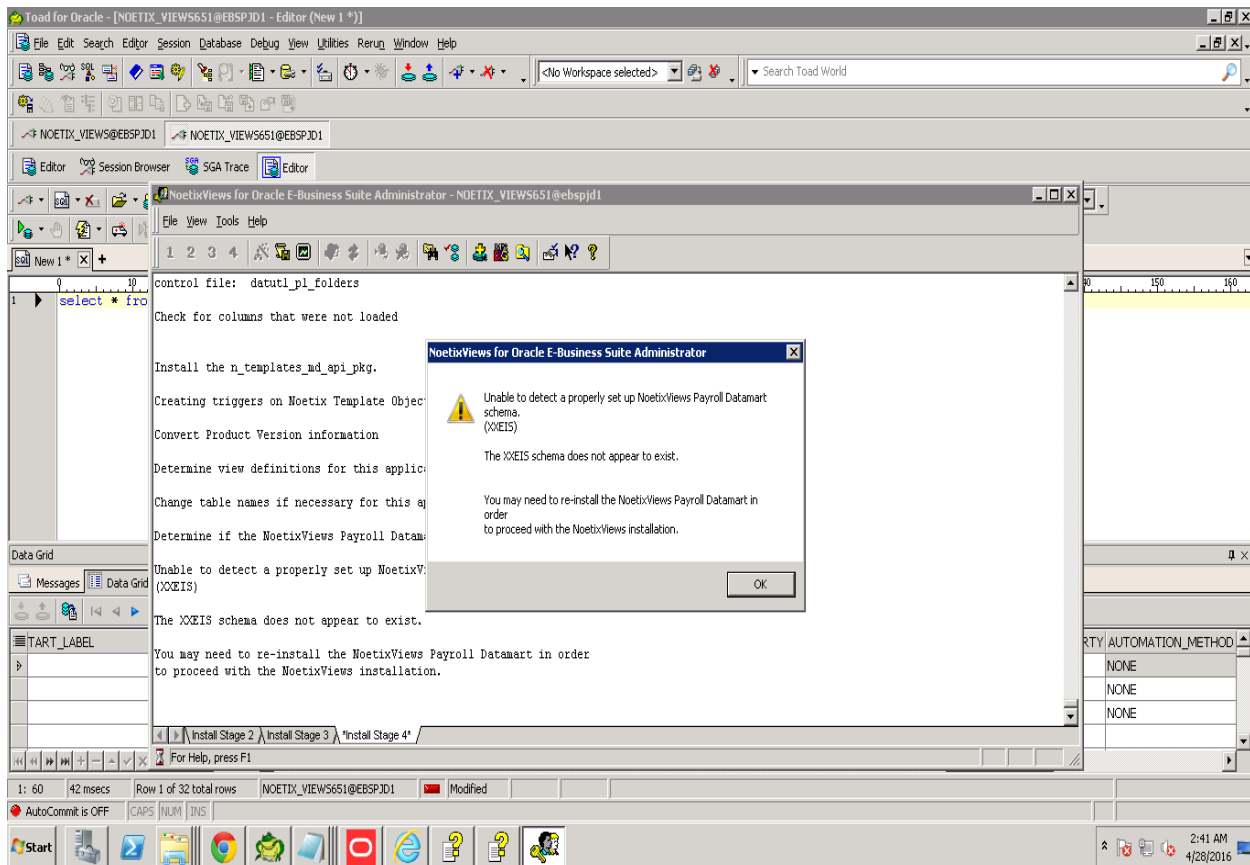
Noetix Schema Upgrade completed successfully.

Issues and Resolutions (With Out-of-Box Install)

During the NOETIX_VIEWS schema upgrade, we followed the below issues and we applied the below resolutions.

Issue 1 : Unable to Install Payroll data marts.

The Out-of-Box software always tries to install the Payroll datamarts. But Viasat doesn't require the payroll datamart. So, we received the below message during the Stage-4.



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

00079078 - Noetix Views Upgrade Installation Stopped at Payroll Datamart stage

Resolution : Noetix provided below 2 scripts for suppressing the Payroll data mart. So, we overwrite these files with OOB files of the install folder to suppress the Payroll data mart.

wnoetxu3.sql
wnoetxuk.sql

Issue 2 : Set_Of_Books invalid identifier error

At the end of Stage-4 we received the below error.

SOB.SET_OF_BOOKS_ID invalid identifier

```
-----  
Checking NoetixViews installation files for errors  
-----
```

```
mkviewg.lst:ORA-00904: "SOB"."SET_OF_BOOKS_ID": invalid identifier  
mkviewg.lst:ORA-00904: "SOB"."SET_OF_BOOKS_ID": invalid identifier  
mkviewg.lst:ORA-00904: "SOB"."SET_OF_BOOKS_ID": invalid identifier  
mkviewg.lst:ORA-00904: "SOB"."SET_OF_BOOKS_ID": invalid identifier  
tmpcrole.lst:ORA-01921: role name 'GLGO_SUBLEDGER_ACCOUNTING' conflicts with another user or  
tmpcrole.lst:ORA-01921: role name 'ARGO_RECEIVABLES' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'POGO_PURCHASING' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'HRGO_HR_MANAGER' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'APGO_PAYABLES' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'XXK_KEY_FLEXFIELD' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'HRGO_HR_EXTRA_INFO_TYPES' conflicts with another user or  
tmpcrole.lst:ORA-01921: role name 'BOMGO_BILL_OF_MATERIALS' conflicts with another user or  
tmpcrole.lst:ORA-01921: role name 'CSGO_TELESERVICE' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'HRGO_HR_SALARY_MANAGER' conflicts with another user or  
tmpcrole.lst:ORA-01921: role name 'MRPGO_MRP' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'OKEGO_PROJECT_CONTRACTS' conflicts with another user or  
tmpcrole.lst:ORA-01921: role name 'PAGO_PROJECTS' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'INVGO_INVENTORY' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'QAGO_QUALITY' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'CSDGO_DEPOT_REPAIR' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'XXNAO_NOETIX_ADMIN' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'OKSGO_SERVICE_CONTRACTS' conflicts with another user or  
tmpcrole.lst:ORA-01921: role name 'CSIGO_INSTALL_BASE' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'OEOGO_ORDER_ENTRY' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'HXCGO_TIME_AND_LABOR' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'WIPGO_WORK_IN_PROCESS' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'BENGO_BENEFITS' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'HRGO_HR_SPECIAL_INFO_TYPES' conflicts with another user or  
tmpcrole.lst:ORA-01921: role name 'CEGO_CASH_MANAGEMENT' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'HRGO_HR_USER' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'FAGO_FIXED_ASSETS' conflicts with another user or role  
tmpcrole.lst:ORA-01921: role name 'GLGO_LEDGER' conflicts with another user or role name  
tmpcrole.lst:ORA-01921: role name 'HRGO_HUMAN_RESOURCES' conflicts with another user or role
```

```
-----  
Error checking complete: Check the messages above for errors (may be none)  
-----
```

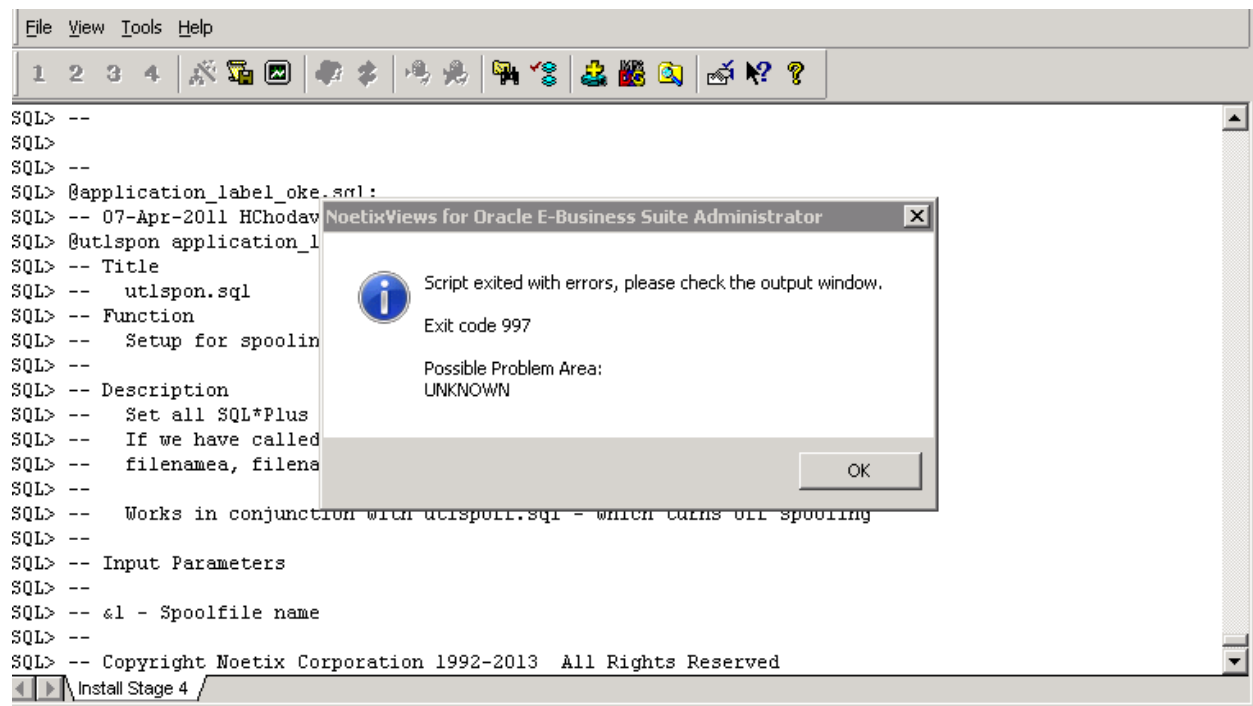
```
E:\Noetix_views\Noetixviews\Installs\noetix_views651_ebspjdl\conspawn.exe has exited.
```

Resolution : Noetix Support provided us a script called 'PJM_Ledger_ID.sql' and we need to load this script in the install folder and we need to invoke this script from wnoetxu2.sql file.

Issues and Resolutions (With Production package)

After the Out-Of-Box install completed, we started validating the customizations of march production package with the NVA 6.5.1. We received the below issues during that validations.

Issue 1: Incompatible customizations with NVA 6.5.1



We received the above error multiple times because of the following reasons.

Reason 1 : Some of OOB roles available in NV 6.3 are suppressed in NV 6.5.1

In NV 6.3, we had separate roles for PROJECTS, PROJECT_BILLING and PROJECT_COSTING. In NV 6.5.1, all these roles merged and available in PROJECTS role. Few of our existing custom views are assigned to these roles. The meta data entries which are assigning the custom views to billing and costing roles are failed after the upgrade.

Removed Role (PROJECT_BILLING) in NV 6.5.1

The below views are assigned to the PROJECT_BILLING role.

PA_All_Expenditure_Items_Vsat

PA_Lov_Cost_Center_Vsat

PA_Lov_Division_Vsat

PA_Lov_Item_Desc_Vsat

GL_Lov_Division_Vsat

Removed Role (PROJECT_COSTING) in NV 6.5.1

The below views are assigned to the PROJECT_COSTING role.

PA_All_Expenditure_Items_Vsat
PA_Lov_Cost_Center_Vsat
PA_Lov_Division_Vsat
PA_Lov_Item_Desc_Vsat
PO_All_Distribution_Vsat
PO_Req_Dist_POs_Vsat
GL_Lov_Division_Vsat

Resolution: Need to remove the above custom views from the above mentioned roles

Reason 2 : Unable to detect the table.

In NV 6.3, few views having inline query columns with FND_LOOKUP_VALUES table without owner name in front of the table. Those are executed without any issues.

But in NV 6.5.1, the inline query columns with FND_LOOKUP_VALUES table without owner name in front of the table are failing. So, we need to add the owner name as APPS/APPLSYS in front of the table.

INV_Wsh_Dlv_Vsat_Base - Released_Status_Name
PO_Shipments_By_MO_Vsat_Base - Pick_Status
OE_Order_Shipment_Vsat - Freight_Terms
OE_Order_To_Be_Shipped_Vsat - Release_Meaning
OKS_Scs_Data_Vsat - Notest
OKS_Scs_Base_Data_Vsat - Notest

Resolution: Need to add the owner name in front of the table name FND_LOOKUP_VALUES in the inline queries of the above mentioned columns of the views.

Issue 2 : New Queries added to existing OOB views

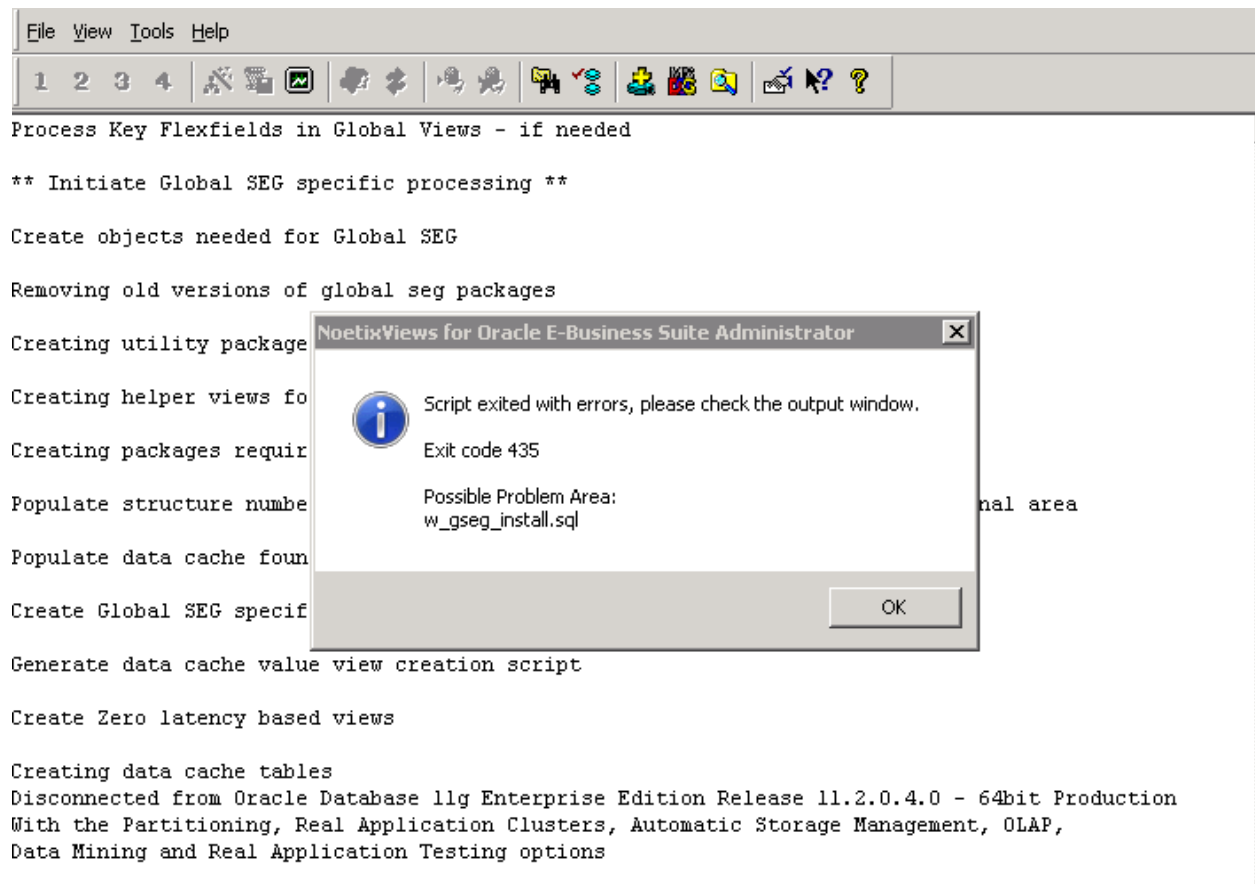
The AP_INVOICE_DISTRIBUTION has a single query in NV 6.3 instance and 2 queries in NV 6.5.1. The existing customizations are having the metadata entry for the first query. So, the generation of this view failed because of lack of metadata. So, it threw the below error.

ORA-01789: query block has incorrect number of result columns

Resolution: Need to add the metadata entry for the new query added as part of NV 6.5.1.

Issue 3 : Handling more types of segment Qualifiers.

The n_view_columns metadata table is having a constraint to handle only few types of segment qualifiers. But few HR views need segment qualifiers mentioned other than that list. So, we received the below error during the regeneration.



So, modified the yctrtable.sql script to handle more segment qualifiers in the constraints list.

Out - Of - Box :

```

segment_qualifier in
('GL_ACCOUNT','GL_BALANCING','GL_GLOBAL','FA_COST_CTR','NONE')
  
```

Modified :

```

segment_qualifier in
('GL_ACCOUNT','GL_BALANCING','GL_INTERCOMPANY','GL_SECONDARY_TRACKING',
'GL_GLOBAL','FA_COST_CTR','NONE')
  
```

Resolution: We need to maintain this modified script through the workbench package by capturing it.

Issue 4: adding few custom views from the dropped views list

Noetix views installer will drop all the custom views available during the regeneration. But few custom views should not be dropped during the regeneration. So we added those custom views in the dropvw.sql file of the install folder.

All the views created in the install folder are deleted except the views mentioned in the dropvw.sql file. So, I added below 2 views to this list.

N_BEN_OPEN_ENROLLMENTS
N_BEN_MONTHLY_MEDICAL_VSAT

Resolution: We need to maintain this modified script through the workbench package by capturing it.

Issue 5 : Existing join script failed

We had a script 'AP_Invoices_And_Checks_Join_Upd_u2.sql' to update oob equi joins to outer joins between the AP_Invoice and AP_Checks. The script is errored with the below error.

```
UPDATE n_join_key_templates  
*
```

ERROR at line 1:

ORA-06502: PL/SQL: numeric or value error: character to number conversion error

ORA-06512: at "NOETIX_VIEWS651.FUN_VERFLAG", line 63

ORA-06512: at "NOETIX_VIEWS651.N_JOIN_KEY_TEMP_INCR_TRG", line 8

ORA-04088: error during execution of trigger

'NOETIX_VIEWS651.N_JOIN_KEY_TEMP_INCR_TRG'

We raised the below SR with the Noetix.

00079109 - Existing customizations failed after NV 6.5.1 upgrade

Resolution : Noetix provided an updated script 'n_temp_customizations.sql' to resolve the issue and we are able to upgrade the views with the modified script and we need to maintain this script as part of legacy customization.