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| --- |
|  |
| PNB DN PROD Configuration Document  **[06-Aug-2020]**  **Version 0.2** | |

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Version History

| **Version** | **Name** | **Role** | **Date**  **Dd/mm/yy** | **Description of Changes** |
| --- | --- | --- | --- | --- |
| 1.0 | Donna Mae E. Pineda |  | Aug 6, 2020 | Initial Version |
| 2.0 | Donna Mae E. Pineda |  | March 10, 2021 | Configuration Procedure |
|  |  |  |  |  |

Approvers

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# Introduction

This document lists the DataNavigator Configuration which is applicable for New DN PNB configurations. The screen shots are provided for easy reference to the actual screens which are used for the configuration.

This is the supporting document in addition to product given Business and operational documents.

The values for business configuration will be referenced to the design documents and PNB specific business data. The values may change based on the PNB business rules.

# Connex Support: Pre-requisites

## Business Pre-requisites

In order to do the business configuration, the team must have the following skills and permissions

* Understand the DN Business requirements
* Understand the PNB business process

## Technical Pre-requisites

* ISO8583 knowledge and its industrial related
* Microsoft database SQLPLUS experience or get DBA assistance
* DN Security client access permission to provide screen captured if required. Or get the relevant personnel to login & provide the screen capture. (JPG files recommended)
* Know how to transfer/SFTP the file in/out between the supports team terminal and IST server.
* Basic knowledge on how to read the debug files. Best if know which debugs files to extract and read for any kind of scenarios.

# DataNavigator Web

## DN Web Environment

## The following information, specifically the IP address and the hostname are the environment details of DN Web, currently being used in Production.

|  |  |  |
| --- | --- | --- |
| **IP ADDRESS** | **HOstName** | **os** |
| 172.22.6.21 | WDNWPNBMDCP01 | Windows Server 2012 R2 |

The DN WEB Package used was DNWebUI.war V02.8BR01 packet of U16665 for DN Installation. The Package was used as a software product for PNB and will mainly function as a Transaction Search.

|  |  |  |
| --- | --- | --- |
| **DN Web package** | **PACKET** | **Version** |
| DNWebUI.war | U16665 | V02.8BR01 |

The stated software requirements below: Apache Tomcat and JDK were used for the installation of DN WEB Package.

|  |  |
| --- | --- |
| **Software requirements** | **Version** |
| Apache Tomcat | 8.5.34 |
| JDK | 8 |

The stated port below: 51000 were used for DN Server connectivity.

|  |  |
| --- | --- |
| **Port** | **Description** |
| 51000 | DN Server connectivity. |

## Tomcat Configuration

The following files are modified for Tomcat Configuration.

|  |  |
| --- | --- |
| **File** | **File Location** |
| server.xml | C:\Program Files\Apache Software Foundation\Tomcat 8.5\conf |
| tomcat-users.xml |
| web.xml | C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\manager\WEB-INF |

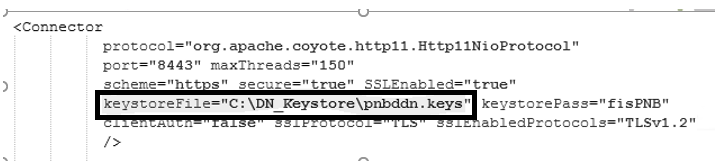
## 1. Procedure on how to configure the Server.xml

## The server.xml file is Tomcat's main configuration file, which is responsible for specifying Tomcat's

## initial configuration on startup as well as defining the way and order in which Tomcat boots and

## builds. This is used to define the connection between DN Keystore.

* Open **Server.xml** in DN Web C:\Program Files\Apache Software Foundation\Tomcat 8.5\conf
* Insert the following code in Server.xml – This is used to define the connection between DN Keystore.



Make sure to insert the right location of DN Keystore

* After the changes you can save the file.

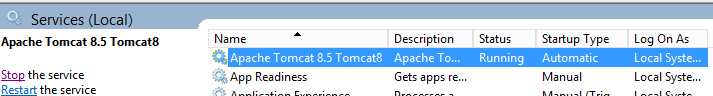
## 2. Procedure on how to configure the Tomcat-users.xml

Apache Tomcat includes two applications, the "manager" application and the "host-manager" application. This aims to simplify management and deployment of Web applications and provide detailed information on server status.

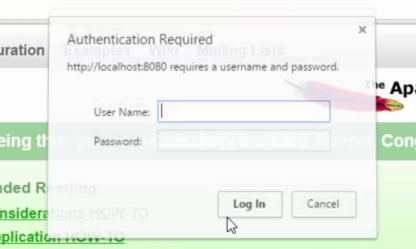
* Open **Tomcat-users.xml** in DN WEB C:\Program Files\Apache Software Foundation\Tomcat 8.5\conf
* Insert the username and password – The Tomcat users will serve as a gateway to setup the username and password for the application.



* After the changes in Tomcat-user.xml you can restart the apache tomcat in DN Web Services.



* Open the **localhost:8443/manager/html** in Internet Explorer to test if the Username and Password is already change.





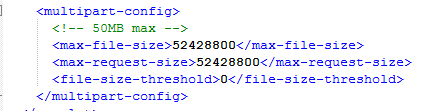
|  |  |
| --- | --- |
| **Tomcat Login** | |
| Username: | Onoultra |
| Password: | $x0rW@<+/%#MT? |

These applications can be accessed from the Apache Tomcat welcome page, as highlighted in the image above.

## 3. Procedure on how to configure the Maximum allowable size in web.xml

The web.xml is used to specify the maximum allowable size for large deployment WAR files

* Open the web.xml in C:\Program Files\Apache Software Foundation\Tomcat 8.5\conf in DN Web
* Modify the value of <max-file-size> to 52428800. This is the requirement size for DN Web war file.



## Procedure on how to configure the vulnerabilities due to Default Apache Tomcat Pages

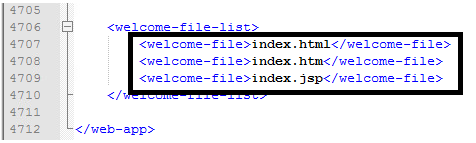
The default error page, default index page, example JSPs and/or example servlets are installed on the remote Apache Tomcat server. These files should be removed as they may help an attacker uncover information about the remote Tomcat install or host itself.

* Open the web.xml in C:\Program Files\Apache Software Foundation\Tomcat 8.5\conf in DN Web
* Delete the

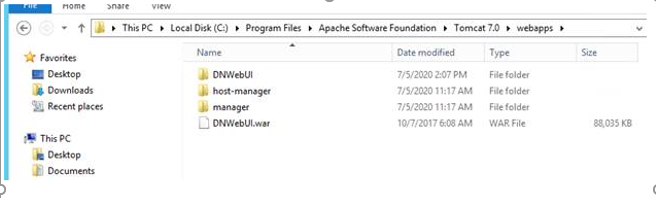
<welcome-file>index.html</welcome-file>

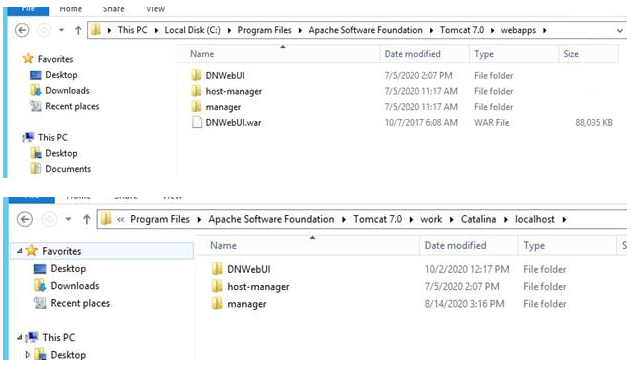
<welcome-file>index.htm</welcome-file>

<welcome-file>index.jsp</welcome-file>

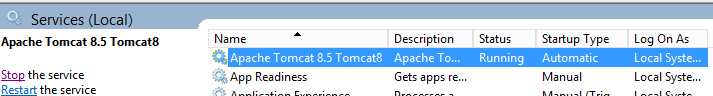


* And delete the example **JSP** and **servlets** inside **webapps folder** and **Catalina\localhost folder**.





* Then Restart the apache tomcat.



* To check if the tomcat is already disable. Go to in **localhost:8443/manager/html** at Internet Explorer and it should be “This localhost page can’t be found”

## DN Web Configuration

The following files are modified to connect the DN APP and DN DB to DNWeb Configuration.

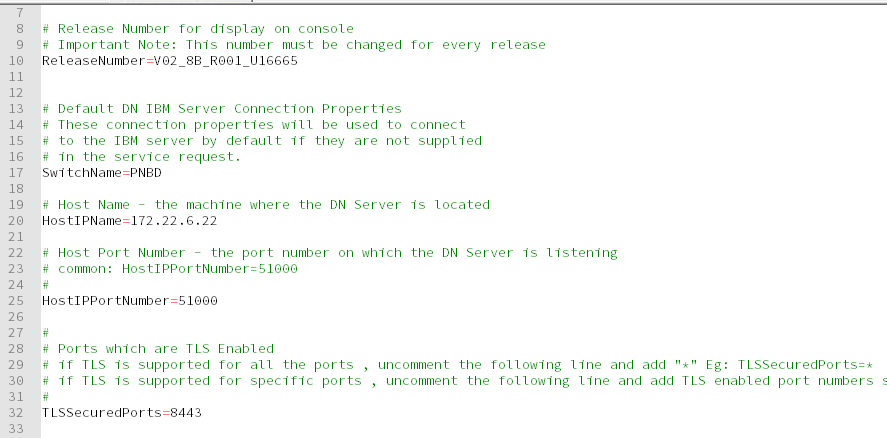
|  |  |
| --- | --- |
| **File** | **File Location** |
| Application.Properties | C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\DNWebUI\WEB-INF\classes\dn |
| DatabaseConnection.Properties | C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\DNWebUI\WEB-INF\classes |

## 

## 1. Procedure on how to configure Application.properties

The Application.properties is used to specify the Release number, SwitchName, HostIPName, HostPortNumber and TLSSecurityPorts. The file is used for DN Web and DN APP connection.

* Open the Application.properties in DN WEB C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\DNWebUI\WEB-INF\classes\dn
* Change the value of HostIPName to DN APP Server IP address. It will help to connect in DN App

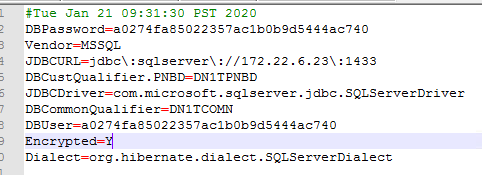


* Save the file.

## 2. Procedure on how configure the DatabaseConnection.properties

The DatabaseConnection.properties is used to specify the DN Database IP Address, Database Name. and Database Port. This is also used to connect the DNWeb to DN Database.

* Open the DatabaseConnection.properties in DN WEB C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\DNWebUI\WEB-INF\classes
* Change the value of JDBCURL to jdbc\:sqlserver\://DN DB Server IP Address\:1433. This is used to connect DN Web to DN APP



## 

* Save the file

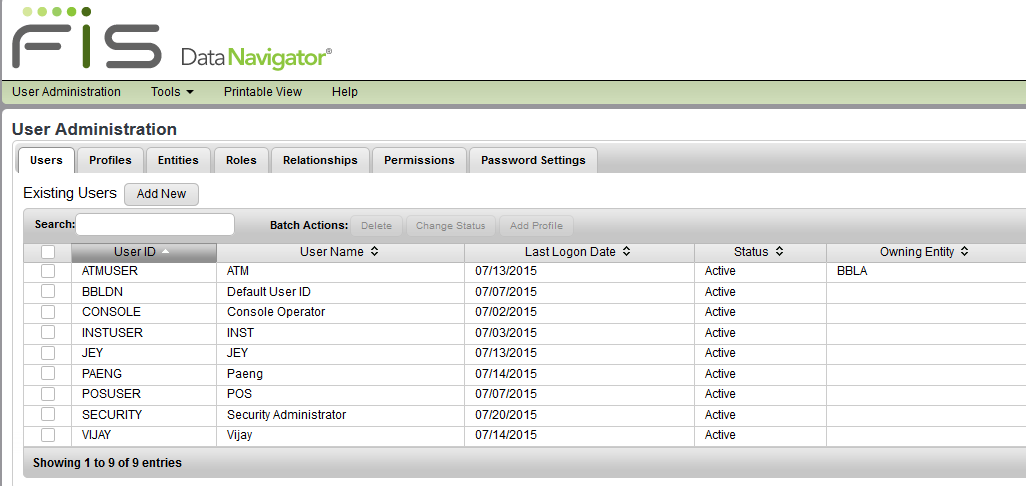
## DN Web Access Security

The DN Web Access Security is the Admin Security account for DN Web. It is used to create the user account for DN Web. It also has the capability to reset the password of the user.

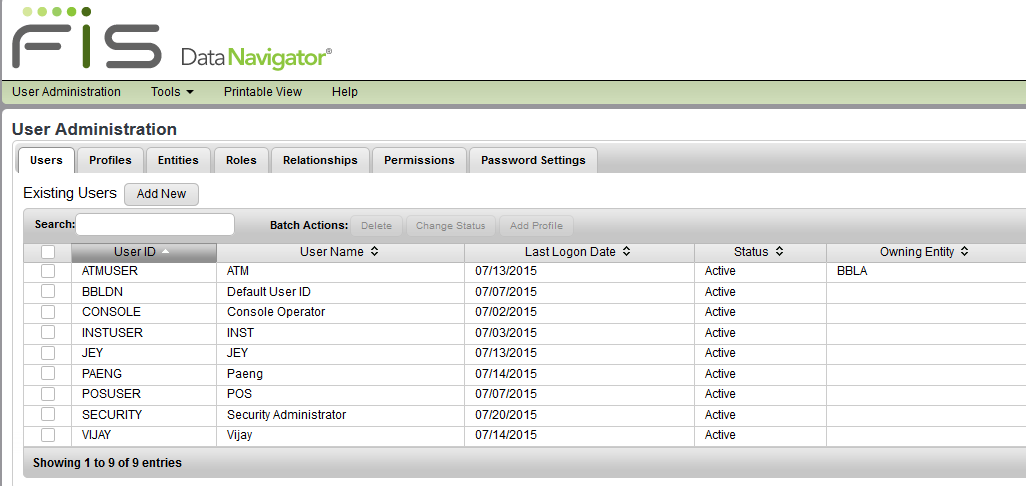
Below are the sample screens for providing the access security.

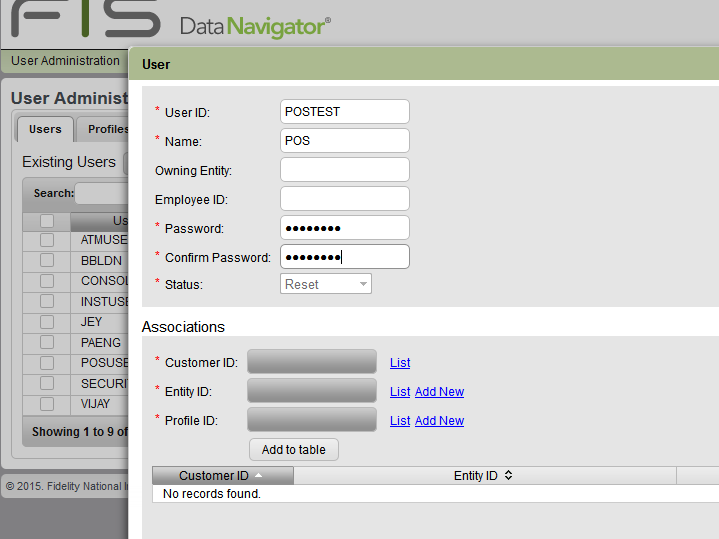
Standard product provides the access security user id and password as shown below.

Logon the DN using the security access user id and password using the default **Username: SECURITY** and **Password: PASSWORD**. The screen provided below shall be displayed.

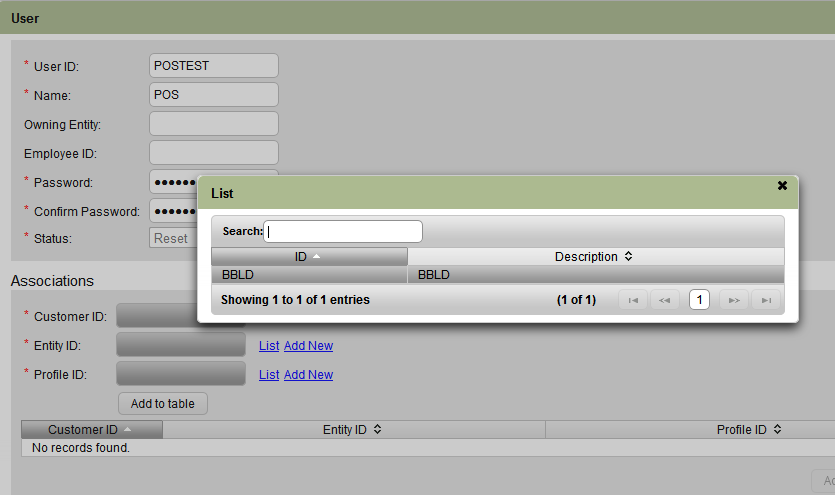


Then, click the Add New button to create a new user. After that, fill the information as shown below.

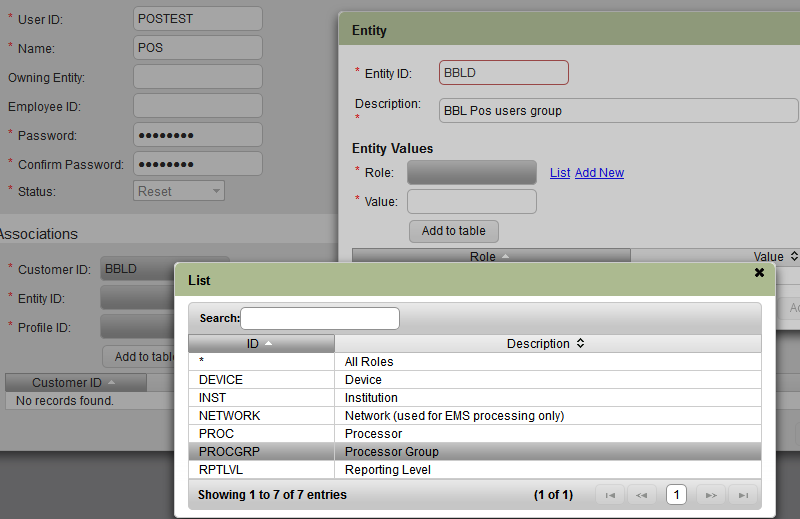




Click the list button of the customer ID box and select the customer shown below.

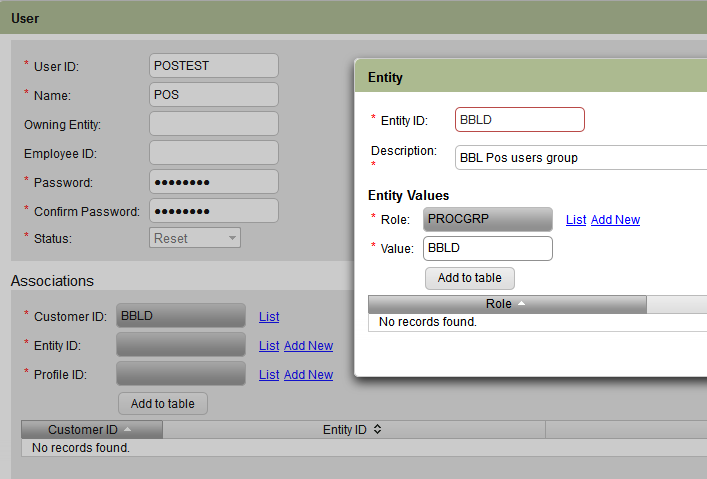


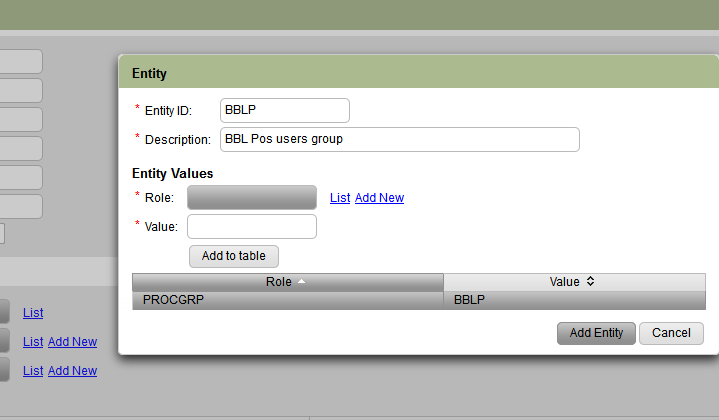
Click the Add New link to create a new entity for the POS processor group. Fill the entity id with the POS processor group and the description. Click the List link of the Role.



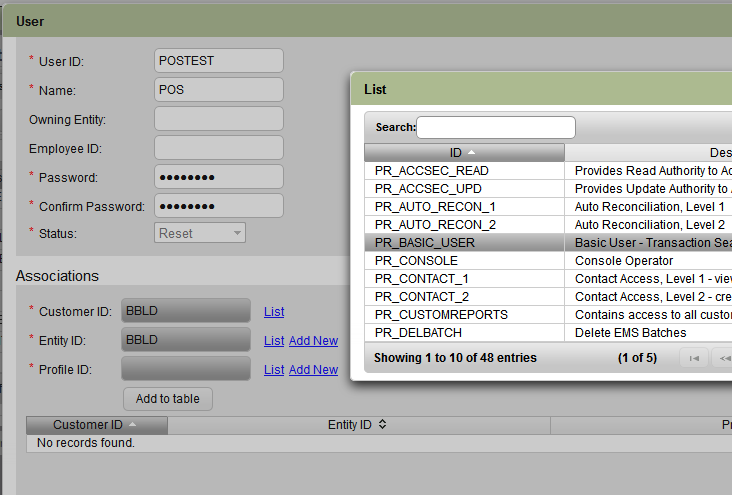
Select the PRCGRP role id from the list of roles.

Enter the value of POS processor group E.g. – BBLD and click to the Add to table button

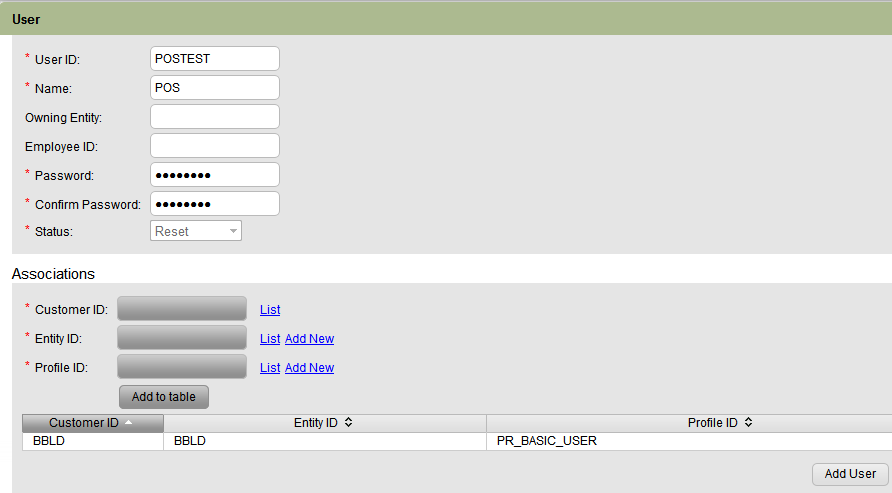
The new Role will be added for the new entity. And now click the Add Entity button. All values are samples.



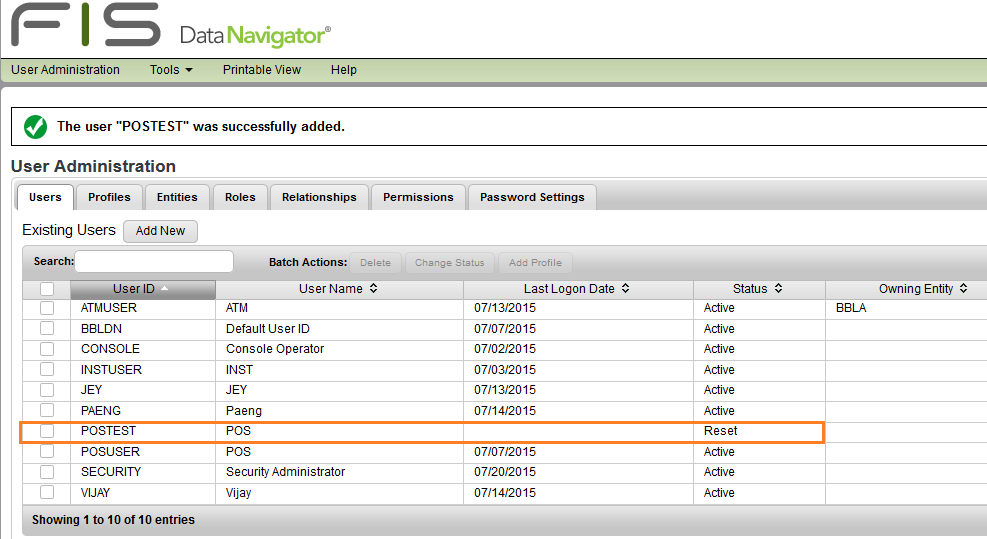
Now click the profile list link and select the profile. Eg- PR\_BASIC\_USER for transaction search function.



Click the Add to table to add the new association details. And click the Add User button to add the new user to the system.



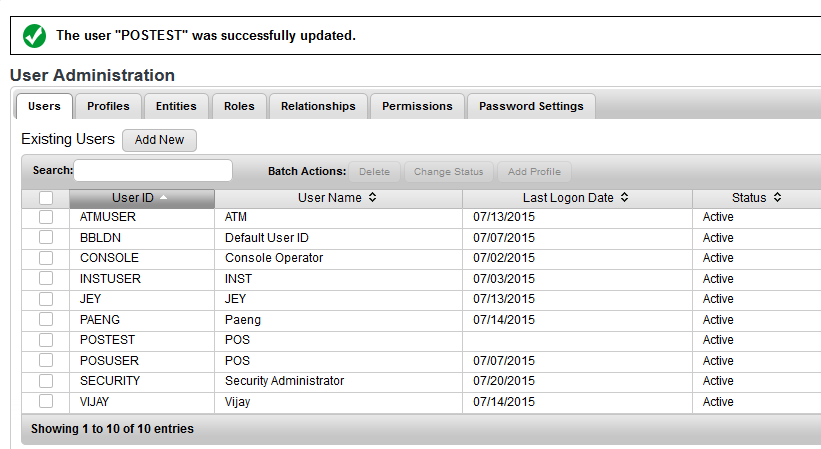
The new POS user is added now with POS transactions access.



Now click the POSTEST user and change the status to Active and press the Update button

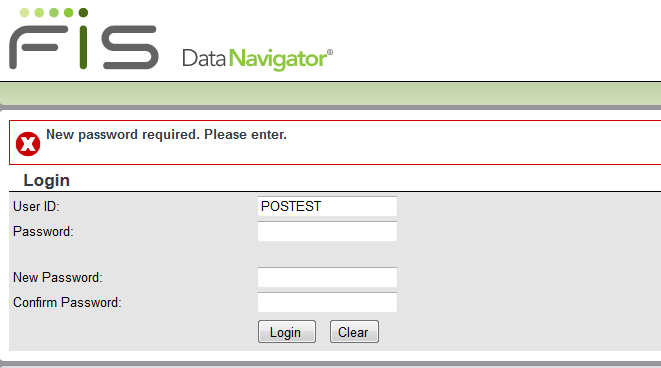


Now the user is active.



Note : If the Admin wants to force the user to change their password, then the status of the new user should be kept as ‘Reset’.

Here is the login screen for new user.



The above same procedure can be repeated for creating ATM users at ATM processor level security access.

# DataNavigator Application

## DN Application Environment

## The following information, specifically the IP address and the hostname are the environment details of DN Application Environment, currently being used in Production.

|  |  |  |
| --- | --- | --- |
| **IP ADDRESS** | **HOstName** | **os** |
| 172.22.6.22 | WDNAPNBMDCP01 | Windows Server 2012 R2 |

The DN Application Package was used as a software product for PNB and will mainly function as a Core of DataNavigator. While, DDC package was used to connect the DN Server to Connex.

|  |  |  |
| --- | --- | --- |
| **DN Web package** | **PACKET** | **Version** |
| DNAPP Server | U16665 | V02.8BR01 |
| DDC |  | V02.8BR01 |

The stated software requirements below: ODBC Connection and Visual Studio were used for the installation of DN App Server and DDC.

|  |  |
| --- | --- |
| **Software requirements** | **Version** |
| ODBC Connection | 6.3.9600.16384 |

The stated ports below were used for DN Server connectivity.

|  |  |
| --- | --- |
| **Port** | **Description** |
| 51000 | DN Server to DN WEB connection |
| 4133 | DN Server to DN DB connection |
| 9002 | DDC1 to DDP1 Connex Connection |
| 9001 | DDC2 to DDP2 Connex Connection |
| 9003 | DDC3 to DDP3 Connex Connection |
| 9004 | DDC4 to DDP4 Connex Connection |

## DN Application Setup Configuration

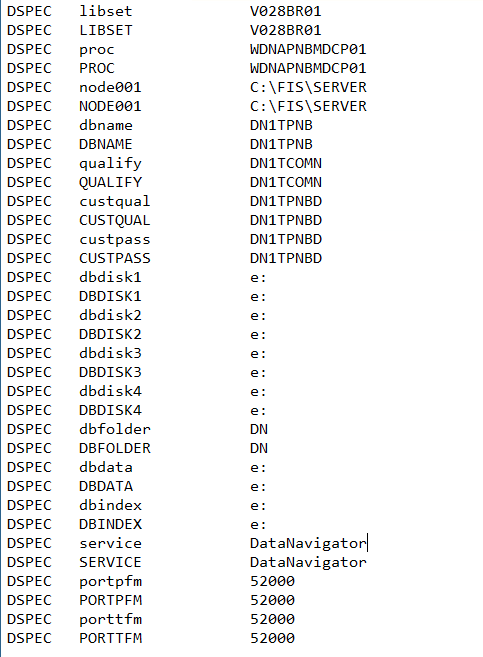
The following files are modified for DN Application Configuration.

|  |  |
| --- | --- |
| **File** | **File Location** |
| Sitespec.txt | C:\FIS\SERVER\DN1TCOMN\Pprod |
| Pnbdspec.txt |
| XT.txt |
| CRTBDET.txt |
| CRADSPT.txt |
| HOST.txt |

## 1. Procedure on how to configure Sitespec.txt

The Sitespec.txt is used to specify the PROC(Hostname), Port, Node001, and the location of database storage logs.

* Open the SITESPEC.txt in DN APP Server C:\FIS\SERVER\DN1TCOMN\Pprod
* Change the value of



DN DB Server disk

DN DB Server disk

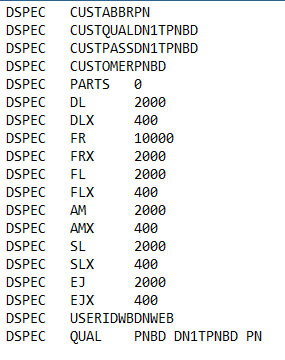
DN APP file location

DN APP Server Hostname

* Save the file.

## 2. Changes to the Pnbdspec.txt

The Pnbdspec.txt is used to specify the size of table that were used in Database. The value of this will depend on the business requirements of the client. The DL and DLX are part of the Daily table. The FR, FRX, FL, FLX, AM, AMX, SL, SLX, EJ, EJX are part of the Monthly table.



## 3. Procedure on how to configure the XT.txt

The new DN is installed by transferring the files from the old to the new DN. It is required to check all files and adjust the configuration for the new system. The changes to the XT.txt shall change the hostname from VM2-FIS-PNB to WDNAPNBMDCP01.

* Open XT.txt in DN APP Server C:\FIS\SERVER\DN1TCOMN\Pprod
* Change the value of:

DN APP Server

Hostname



* Save the file

## 4. Procedure on how to configure the CRTBDET.txt

The new DN is installed by transferring the files from the old to the new DN. It is required to check all files and adjust the configuration for the new system. The changes to the CRTBDET.txt shall change the hostname from VM2-FIS-PNB to WDNAPNBMDCP01.

* Open XT.txt in DN APP Server C:\FIS\SERVER\DN1TCOMN\Pprod
* Change the value of SITESPEC below to DN APP Server hostname:

DN APP Server

Hostname

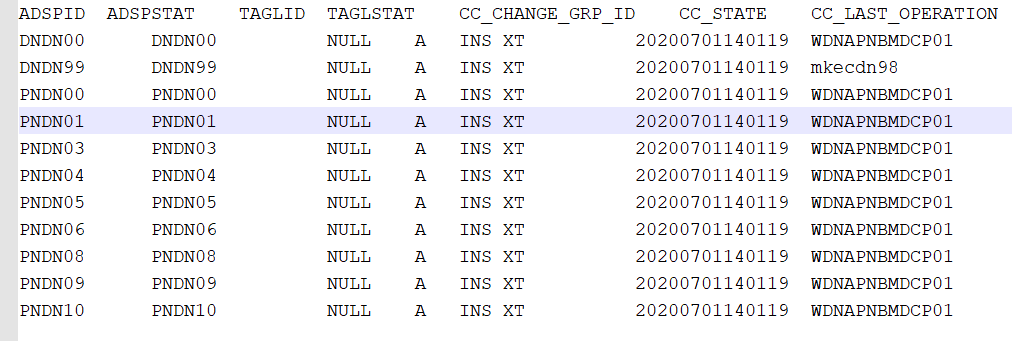


* Save the file

## 5. Procedure on how to configure CRADSPT.txt

The new DN is installed by transferring the files from the old to the new DN. It is required to check all files and adjust the configuration for the new system. The changes to the CRADSPT.txt shall change the hostname from VM2-FIS-PNB to WDNAPNBMDCP01.

* Open XT.txt in DN APP Server C:\FIS\SERVER\DN1TCOMN\Pprod
* Change the value of:

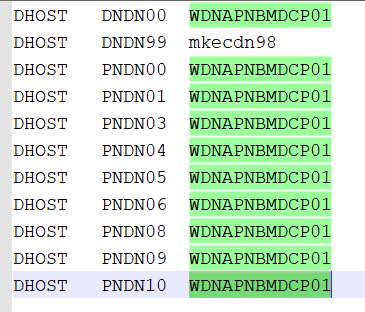


DN APP Hostname

## 6. Procedure on how to configure HOST.txt

The new DN is installed by transferring the files from the old to the new DN. It is required to check all files and adjust the configuration for the new system. The changes to the host.txt shall change the hostname from VM2-FIS-PNB to WDNAPNBMDCP01.

* Open XT.txt in DN APP Server C:\FIS\SERVER\DN1TCOMN\Pprod
* Change the value of:



DN App Hostname

DN App Hostname

## Database purging script Configuration

The following files are modified for Database Purging Script Configuration. It will help remove all the data and files from 6 months above.

|  |  |
| --- | --- |
| **File** | **File Location** |
| CXOXDRDF.txt | Local disk C: 🡪 FIS 🡪 SERVER 🡪 ALPHA 🡪 SOURCE |
| CXOXDRDA.txt | Local disk C: 🡪 FIS 🡪 SERVER 🡪 ALPHA 🡪 SOURCE |

## 1. Procedure on how to configure CXOXDRDA.txt The CXOXDRDA.txt file helps remove all the daily transaction from 15 days above.

* Open CXOXDRDA.txt file in c:\fis\server\alpha\source
* Add the query below it helps to remove all the daily transaction from 15 days below.

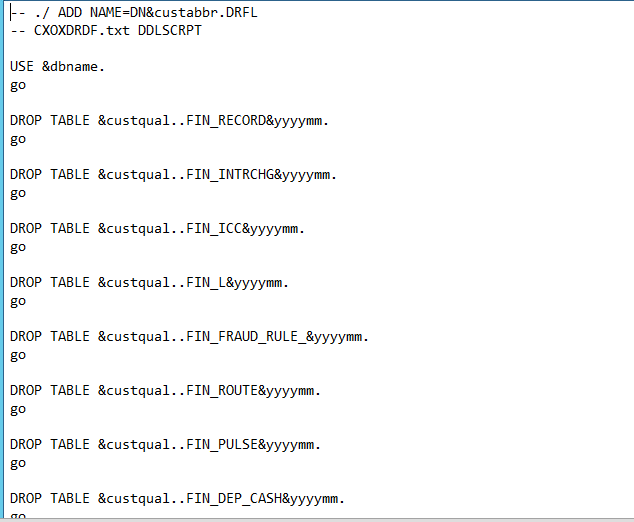
## 

* Save the file. It takes 8hrs before reflecting.

**2. Procedure on how to configure CXOXDRDF.txt**The CXOXDRDF.txt file helps remove all the Monthly transaction for more than 6 months.

• Open CXOXDRDF.txt file in c:\fis\server\alpha\source

• Add the query below it helps to remove all the Monthly transaction more than 6 months.

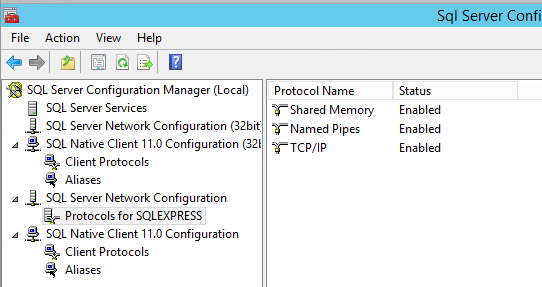


* Save the file. It will takes 8hrs before reflect.

## SQL Server Configuration

The SQL Server Configuration Manager is a tool that manages the services associated with SQL Server in order to configure the network protocols used by SQL Server. This aims to manage the network configuration from SQL Server client computers.

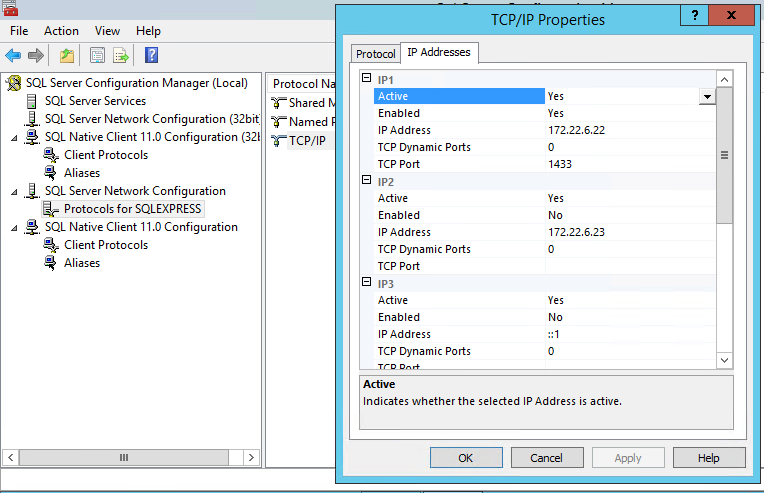
* In Windows search – search the ‘SQL Server Configuration’
* Open the SQL Server configuration and click ‘**Protocols SQL EXPRESS’ –** The status in protocol for SQL EXPRESS should show as enabled.



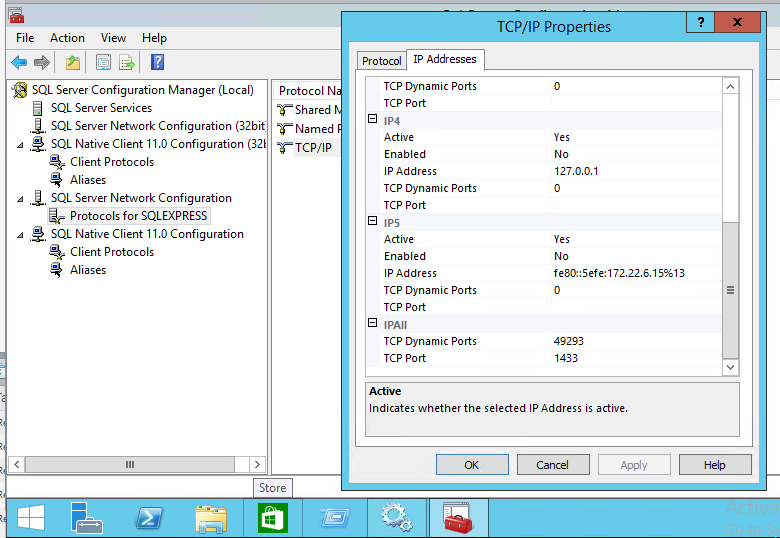
* Double click the TCP/IP

The TCP\IP Properties is used to interconnect network devices on the internet. TCP/IP can also be used as a communications protocol in a private computer network (an intranet or an extranet). The image below is the configuration done in TCP/IP Properties.

* IN IP1 change the value of IP Address to DN APP IP



* IN IP1 change the value of IP Address to DN APP IP
* IN IP2 change the value of IP Address to DN DB IP

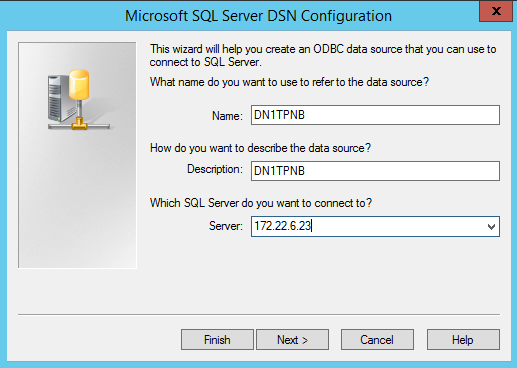


* This is automatically populated according to the server network.
* Click ‘ok’ once done. It is required to restart the server to after the changes.

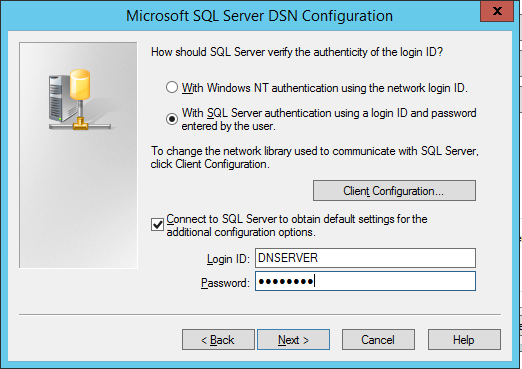
## ODBC Configuration

The ODBC is a standard application programming interface for accessing database management systems. The Server should be the IP address from DN Database.

* In Windows search – search the ‘ODBC Configuration’



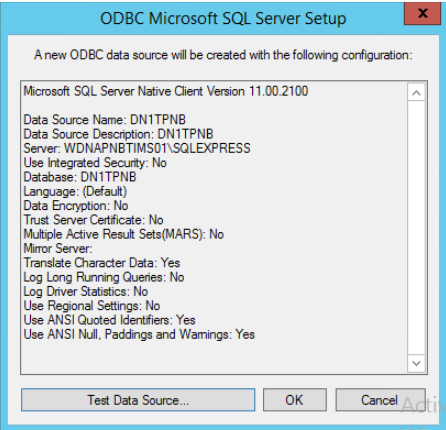
* Click ‘next’
* Insert the DN DB IP as a value of Server.
* Insert DN1TPNB as a value of Description.
* Insert DN1TPNB as a value of Name. This is a Database name from DN DB



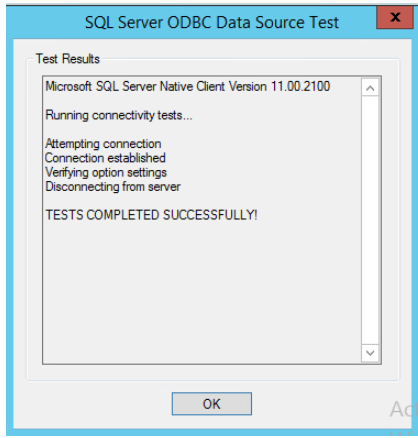
* Select “With SQL Server authentication using a login ID and password entered by the user.
* Click ‘next’
* Login ID: DNSERVER
* Password: DNSERVER
* Make sure to check this.

The Login ID and Password is already set in DN Database.

Make sure that all the information below is correct.



* Click ‘Test Data Source’

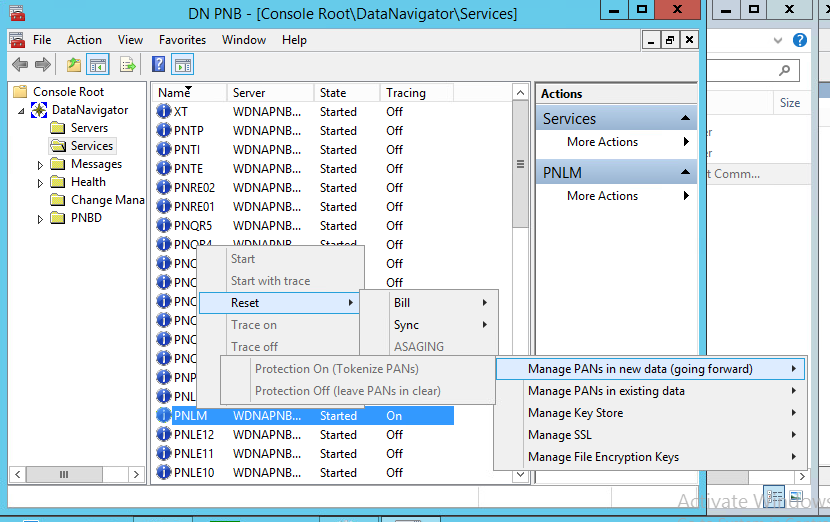


Click ‘OK’. After the configuration in ODBC. Please restart the Server to reflect the changes

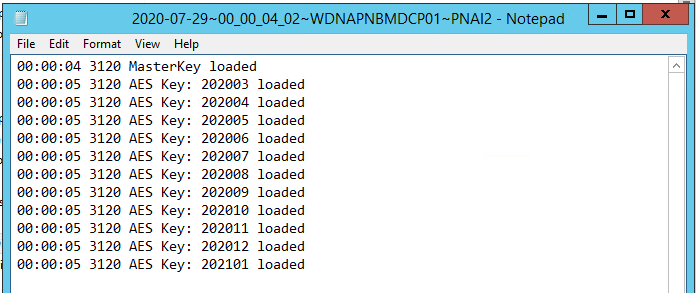
It should be ‘Successfully Completed’

## Tokenization

The Tokenization is the process of masking all Personal Account Number.

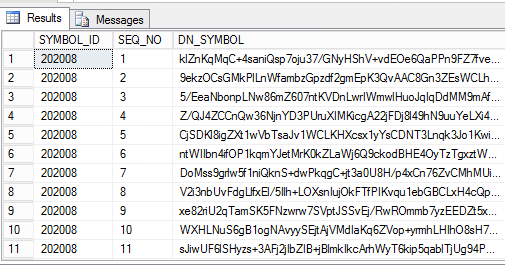
* You will be able to tokenize the PAN using **DN PNB.MMC** which is located at **LocalDisk C:\Fis\.**
* Click the ‘Services’ below of DataNavigator Bar
* Right click ‘PNLM’.
* Click ‘Reset’
* Click ‘Manage PANs in new data (going forward)’
* Click ‘Protection ON (Tokenize PANs)’

The PNAI2 Trace will produce AES Key which encrypts all the account numbers and passwords. This will happen once tokenization is already done in DN PNB.MMC. PNAI2 Trace is located at C:\FIS\SERVER\Trace



The Database can be checked to know if the account numbers and passwords are already encrypted in DN DB.

SELECT \* FROM DN1TCOMN.DNSYMBOL



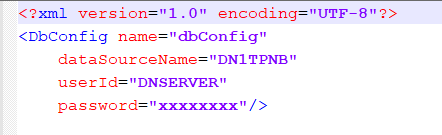
## DDC Configuration

The following files are modified for DDC Configuration. It is used for Connex connectivity.

|  |  |
| --- | --- |
| **File** | **File Location** |
| Cns01cfg.File | Local disk C: 🡪 DDC 🡪 cns01 |
| Cns02cfg.File | Local disk C: 🡪 DDC 🡪 cns02 |
| Cns03cfg.File | Local disk C: 🡪 DDC 🡪 cns03 |
| Cns04cfg.File | Local disk C: 🡪 DDC 🡪 cns04 |
| Dbconfig.xml | Local disk C: 🡪 DDC |

## 1. Procedure on how to configure DBCONFIG.xml

It will define the ODBC Login details.



* Password from ODBC Configuration.
* UserId from ODBC Configuration.

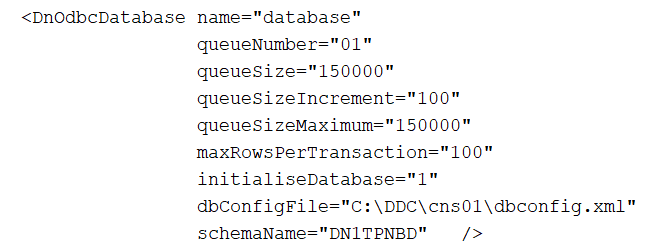
## Ctrl + S to save.

## 2. Procedure on how to configure cns01cfg.file

The cns01cfg.txt is used to connect the DDP1 from Connex to CNS01 services in DN.

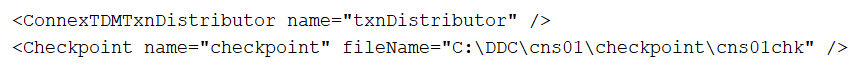
* Open the file of cns01cfg.txt which is located at c:\DDC\cns01

It will define the ODBC connection details and Datadisk table.

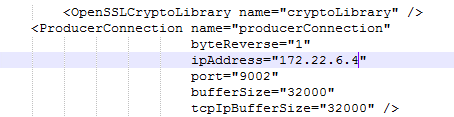


* Insert the location of dbconfig.xml

Distributing the records from Connex on Tandem.



* Insert the location of cns01chk file

Connection details for Producer.

* IP Address of Connex
* Port that used to connect in DDP1

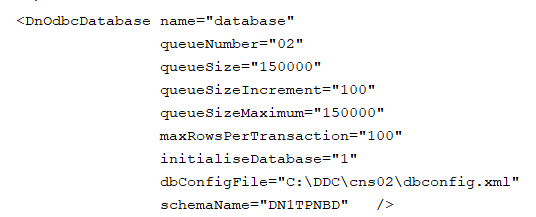
## Ctrl + S to save.

## 3. Procedure on how to configure cns02cfg.file

The cns02cfg.txt is used to connect the ddp2 from Connex to cns02 services.

* Open the file of cns01cfg.txt which is located at c:\DDC\cns02

It will define the ODBC connection details and Datadisk table.



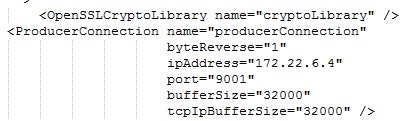
* Insert the location of dbconfig.xml

Distributing the records from Connex on Tandem



* Insert the location of cns02chk file

Connection details for Producer



* Port that used to connect in DDP2
* IP Address of Connex

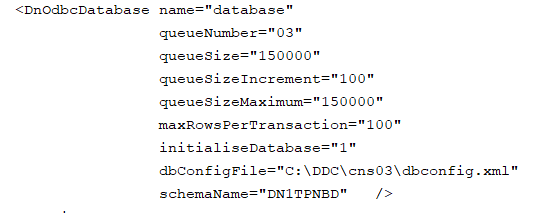
## Ctrl + S to save.

## 4. Procedure on how to configure cns03.file

The cns03cfg.txt is used to connect the ddp3 from Connex to cns03 services.

* Open the file of cns01cfg.txt which is located at c:\DDC\cns03

It will define the ODBC connection details and Datadisk table.



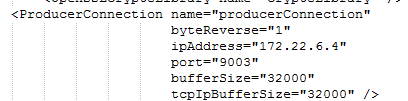
* Insert the location of dbconfig.xml

Distributing the records from Connex on Tandem



* Insert the location of cns03chk file

Connection details for Producer



* IP Address of Connex
* Port used for DDP3 Connex connection.

## Ctrl + S to save.

## 5. Procedure on how to configure cns04.file

The cns04cfg.txt is used to connect the ddp4 from Connex to cns04 services.

* Open the file of cns01cfg.txt which is located at c:\DDC\cns04

It will define the ODBC connection details and Datadisk table.

## 

* Insert the location of dbconfig.xml

Distributing the records from Connex on Tandem



* Insert the location of cns04chk file

Connection details for Producer

## 

* Port used for DDP3 Connex connection.
* IP Address of Connex

## Ctrl + S to save.

# DataNavigator Database

## DN Database Environment

## The following information, specifically the IP address and the hostname are the environment details of DN Database, currently being used in Production.

|  |  |  |
| --- | --- | --- |
| **IP ADDRESS** | **HOstName** | **os** |
| 172.22.6.23 | WDNDPNBMDCP01 | Windows Server 2012 R2 |

The stated software requirements below: Microsoft SQL Server 2014 were used for the installation of DN Database.

|  |  |  |
| --- | --- | --- |
| **SOFTWARE** | **PACKET** | **Version** |
| MSSQL SERVER 2014 | SP3 | Standard Edition |

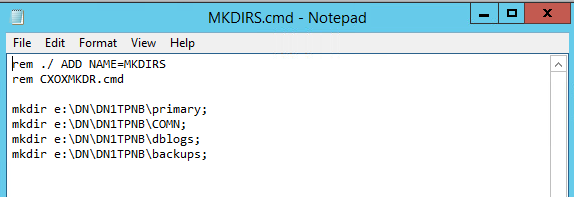
## DN Database Setup Configuration

## The following files are modified for DN Application Configuration.

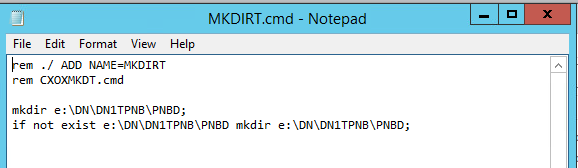
|  |  |
| --- | --- |
| **FileName** | **location** |
| DBCreate.sql | Local disk C: 🡪 setup |
| CRTBLSPC.sql |
| CRTBLSPD.sql |
| MKDIRS.cmd |
| MKDIRT.cmd |

**Changes to the MKDIRS.txt**

The MKDIRS.txt is used to create a folder for DN DB Logs and Database. It is needed to modify the specific location that the user wants.

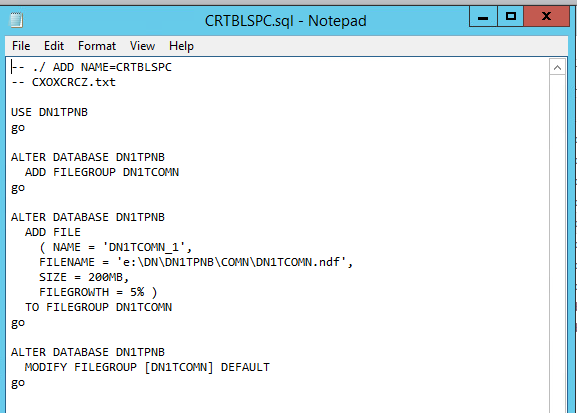


**Changes to the MKDIRT.txt**

The MKDIRT.txt is used to create a folder for DN DB Logs and Database. It is needed to modify the specific location that the user wants.

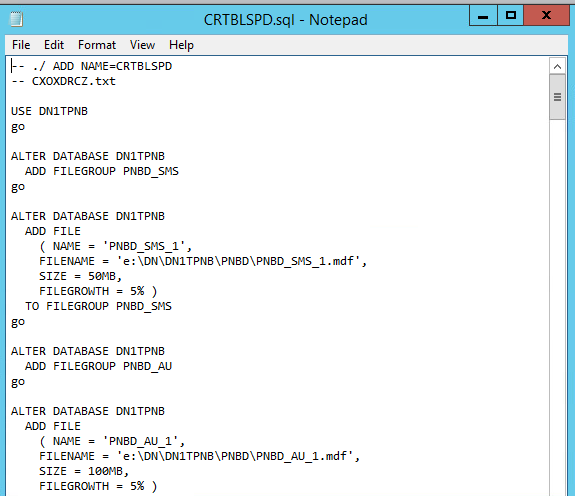
**Changes to the CRTBLSPC.txt**

The CRTBLSPC.txt is used to create a customer file group for database. It Is needed to modify the filename according to the MKDIRT.txt



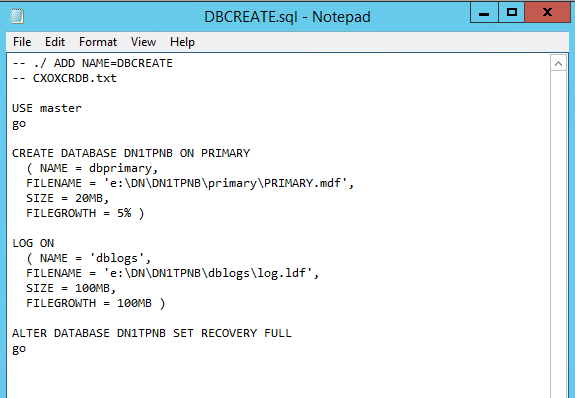
**Changes to the CRTBLSPD.txt**

The CRTBLSPD.txt is used to create a customer file group for database. It Is needed to modify the filename according to the MKDIRT.txt



**Changes to the DBCreate.txt**

The DBCreate.txt is used to create database. It is needed to modify the filename for the logs according to the MKDIRT.txt



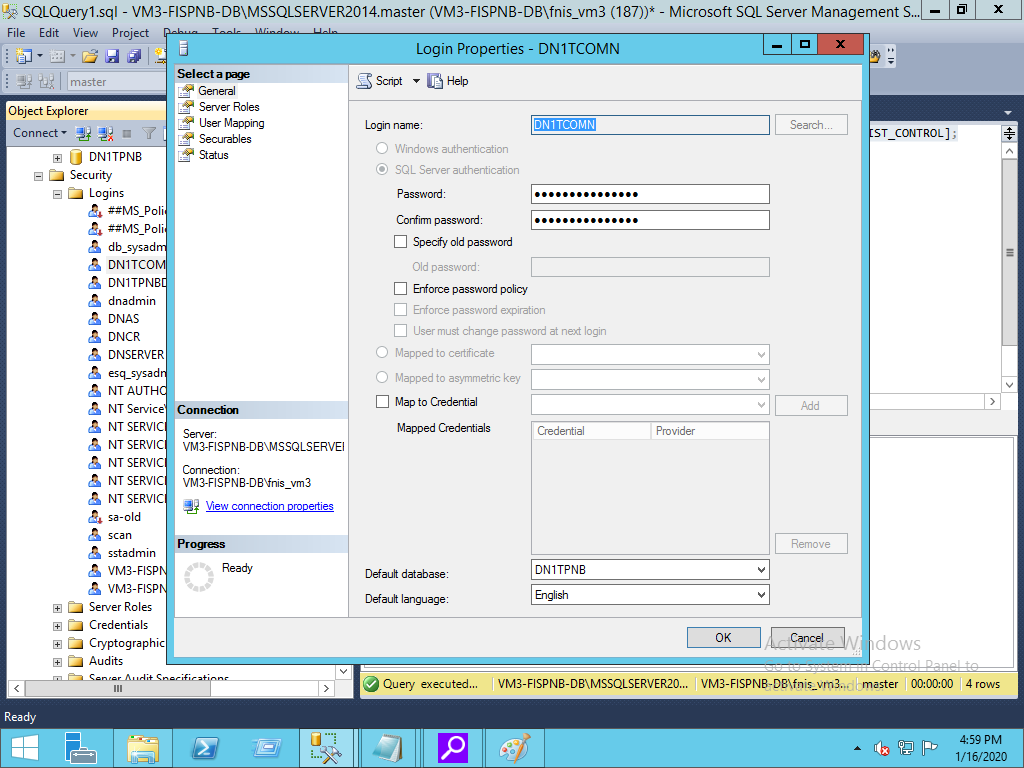
## SQL LOGIN CONFIGURATION

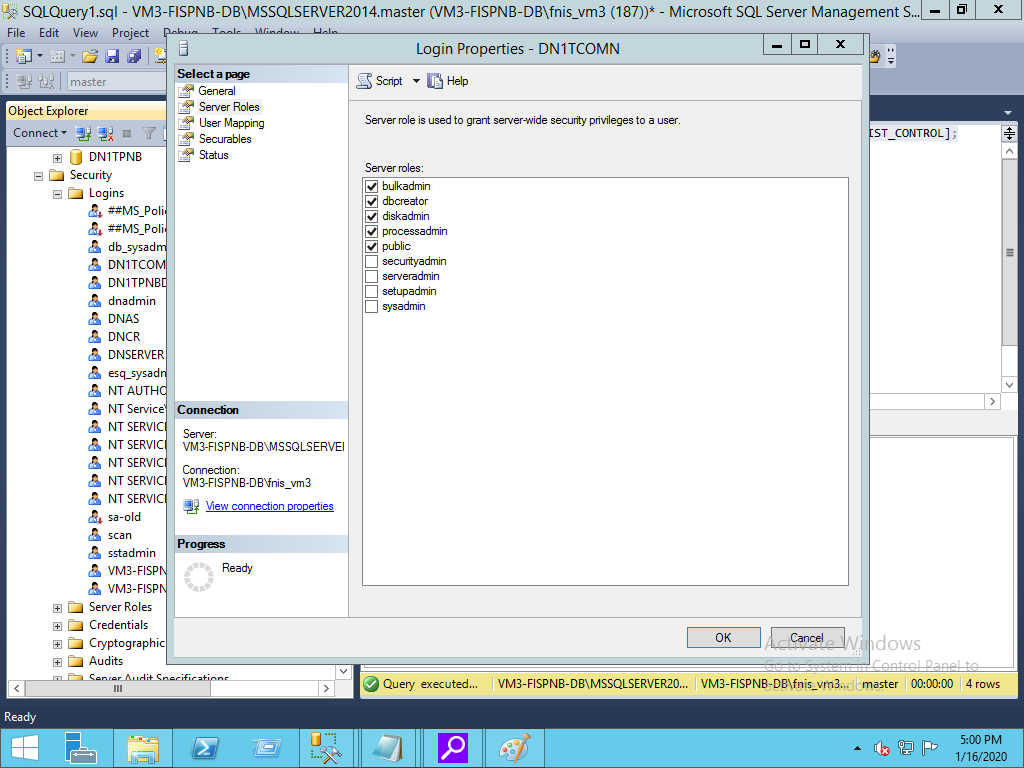
The SQL login is a security principal, or an entity that can be authenticated by a secure system.

**Login Name: DN1TCOMN**

Login Name: DN1TCOMN

Password: DN1TCOMN

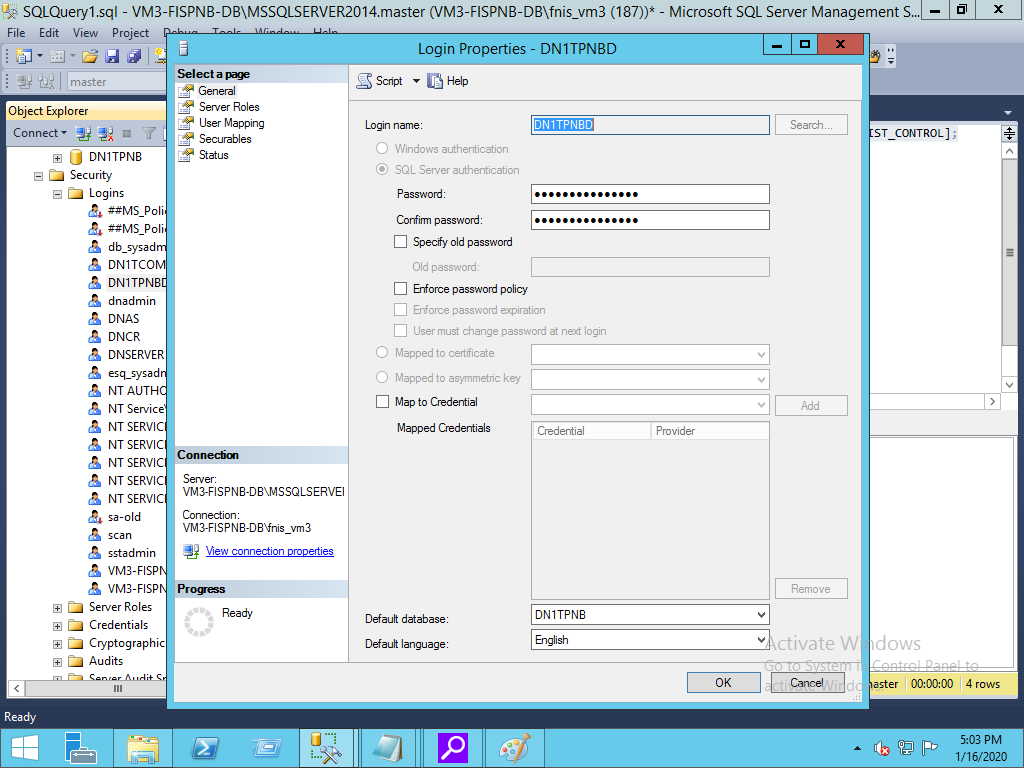


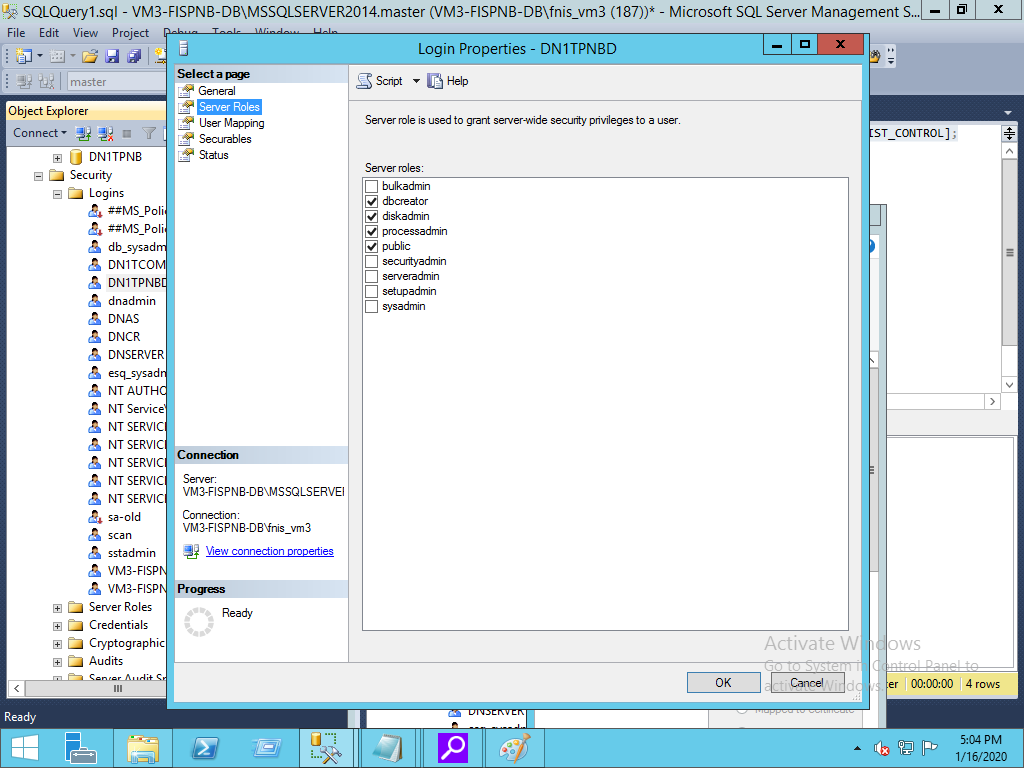


**Login Name: DN1TPNBD**

Login Name: DN1TPNBD

Password: DN1TPNBD

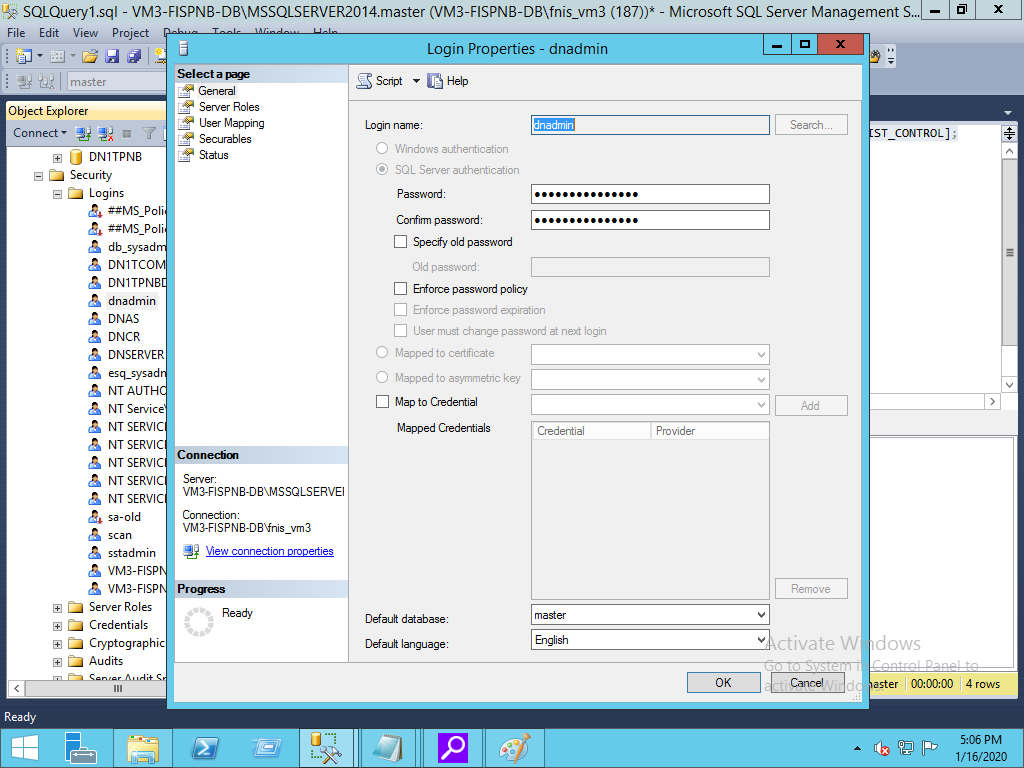


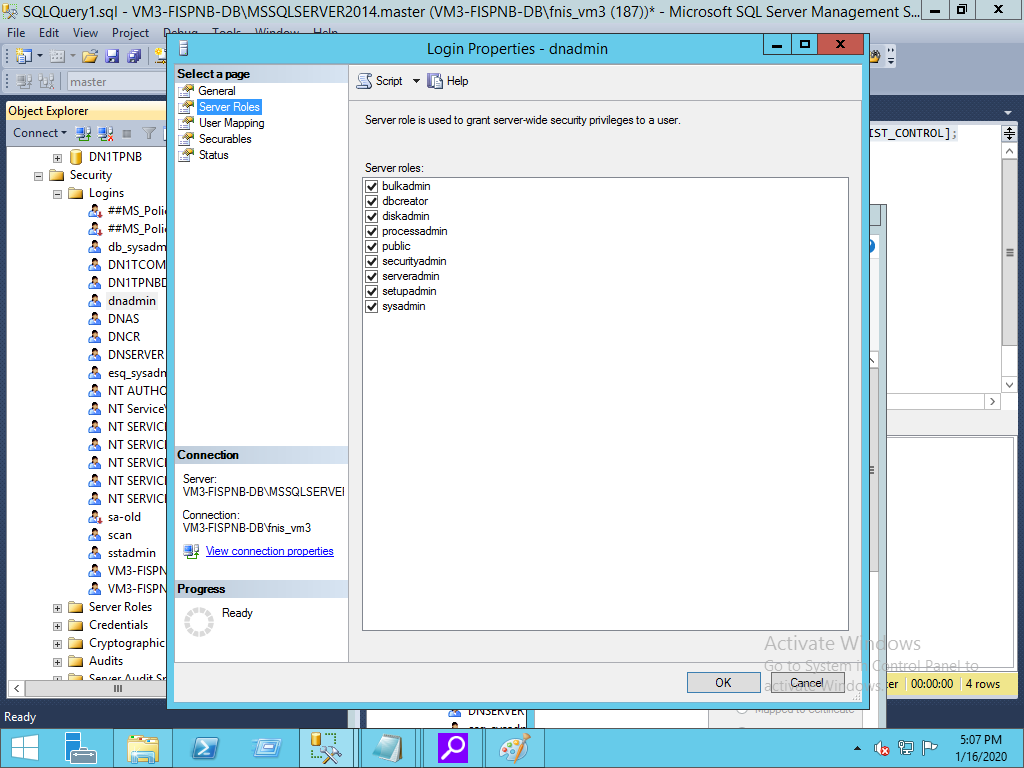


**Login Name: DN1TADMIN**

Login Name: DNADMIN

Password: DNADMIN

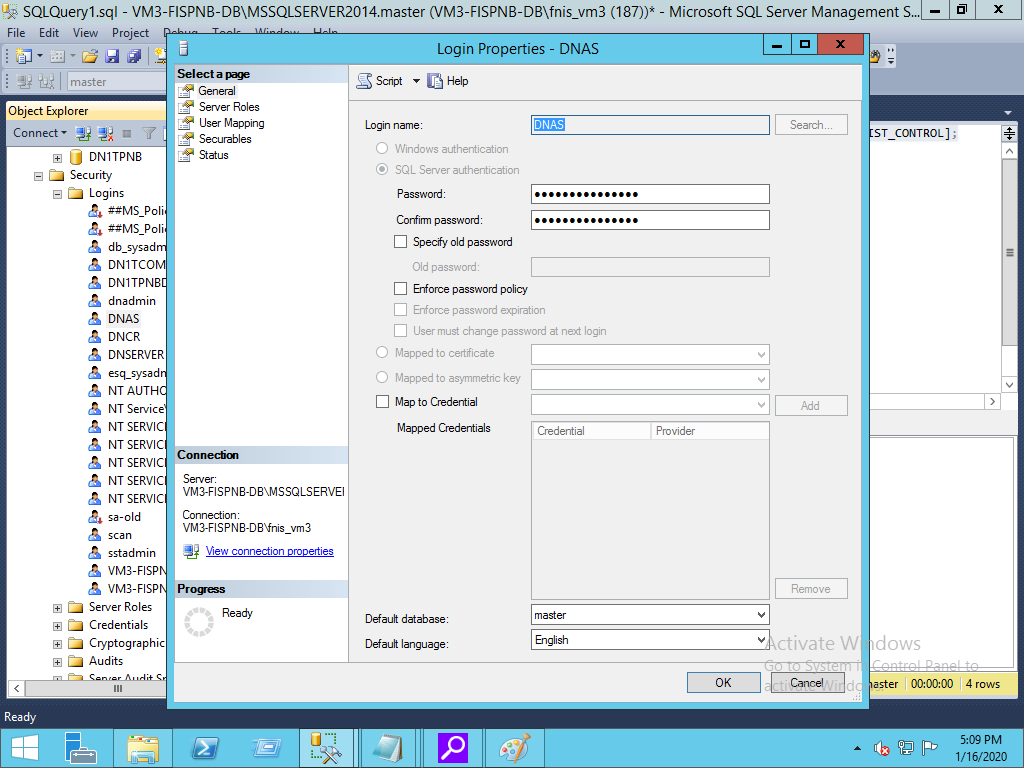


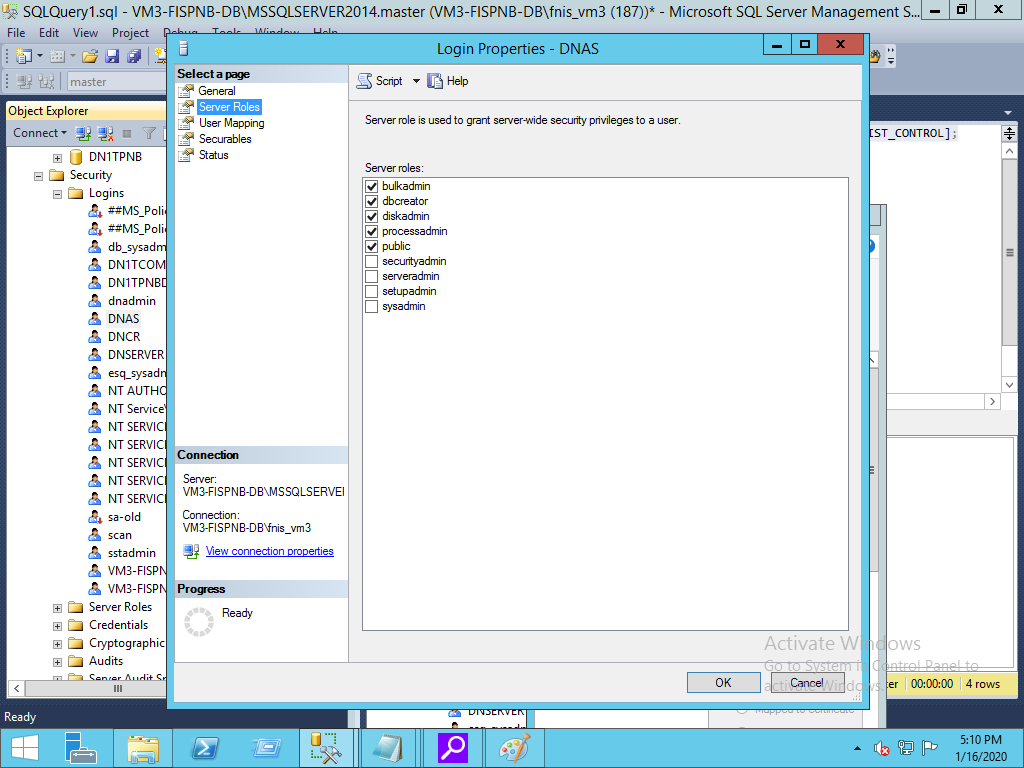


**Login Name: DNAS**

Login Name: DNAS

Password: DNAS

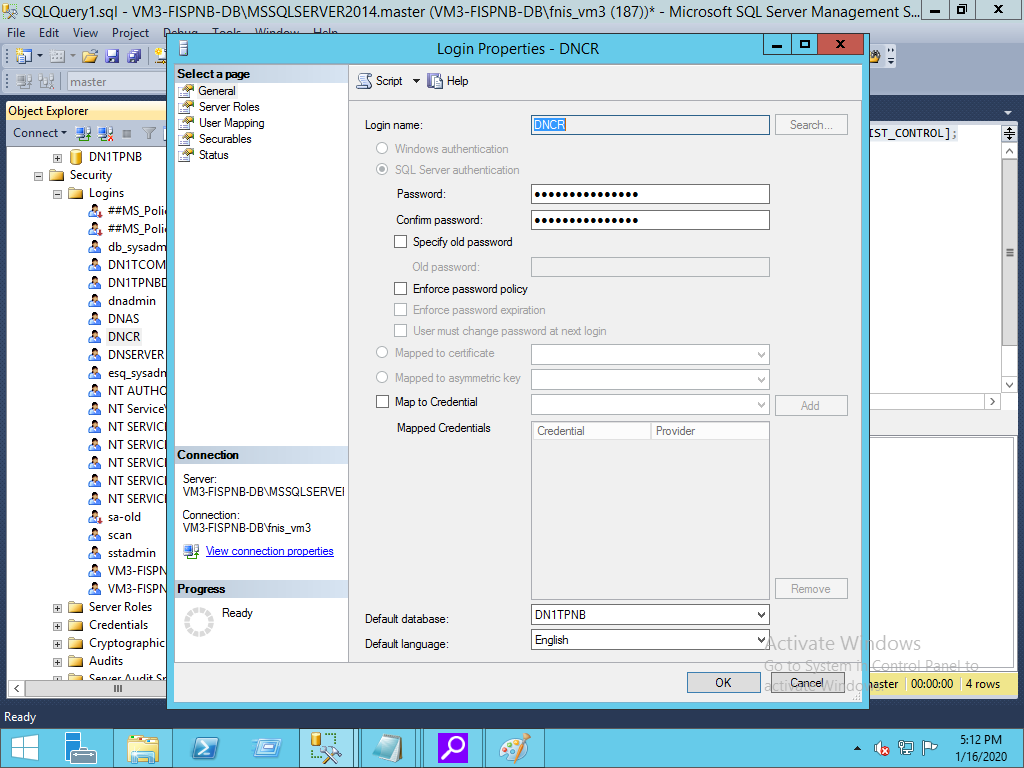


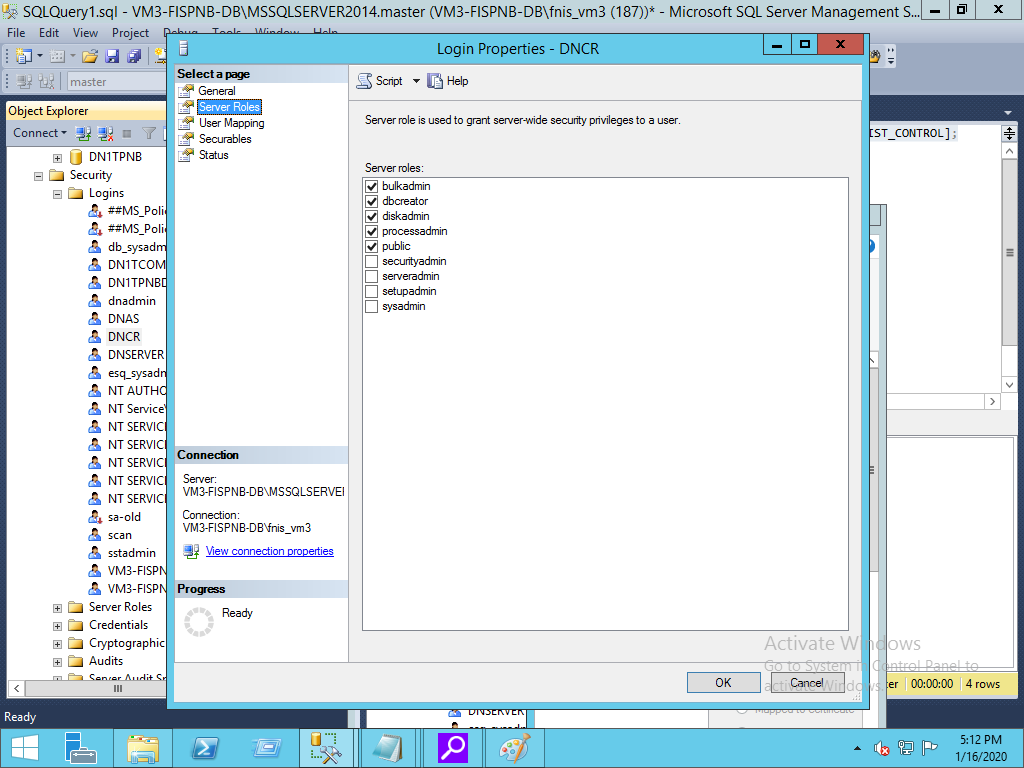


**Login Name: DNCR**

Login Name: DNCR

Password: DNCR

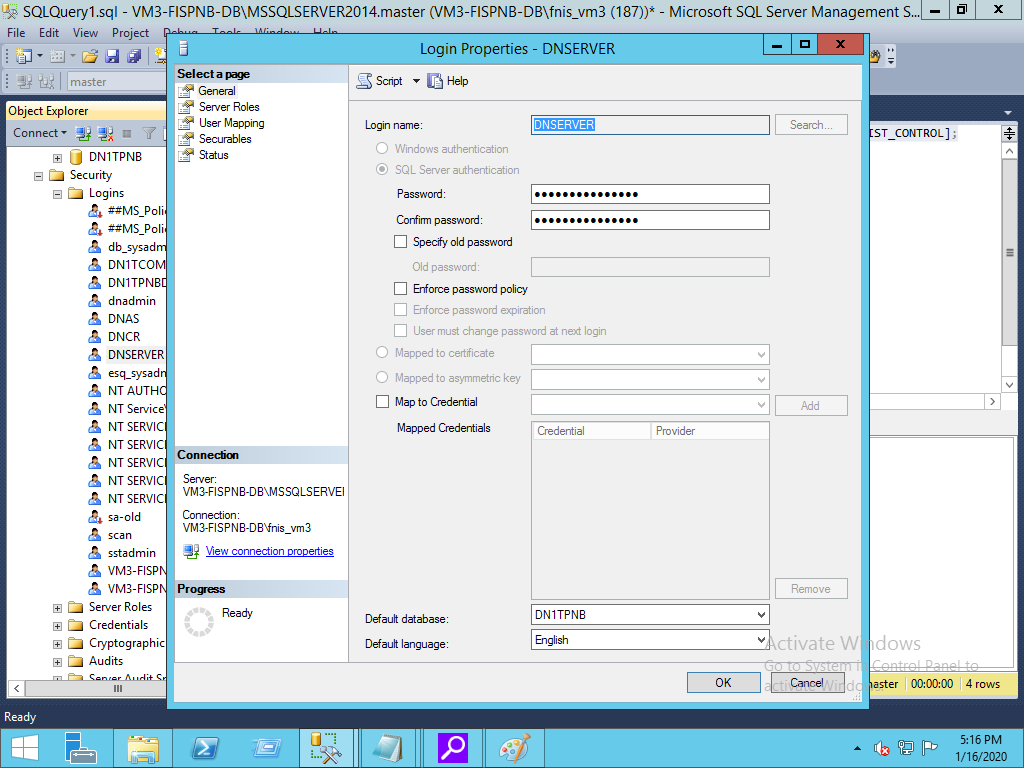
****

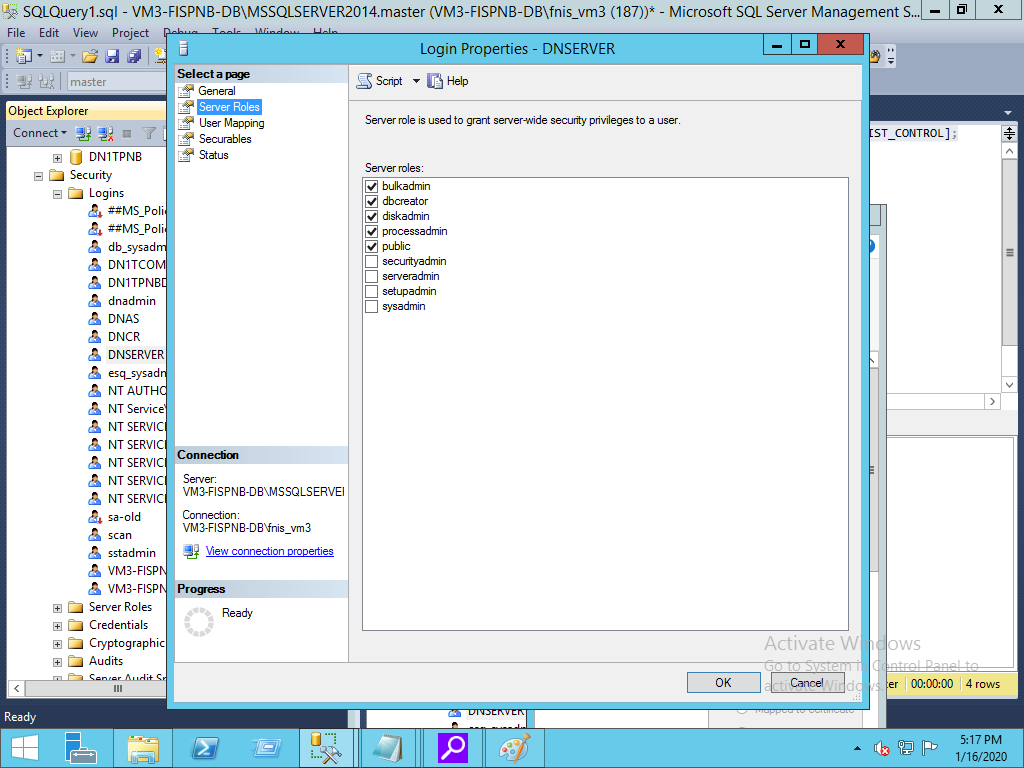


**Login Name: DNSERVER**

Login Name: DNSERVER

Password: DNSERVER

****



## Procedure on how to configure Task Table.

The Task Table is a Configuration Repository Table that is used to verify all the Services that are connected to the DN APP.

The CRADSPT, CRTASK, CRTBDET all belong to the Task table.

**CRADSPT**

The Query below is used to update the hostname that is currently being used in DN APP. The table used for this is CRADSPT.

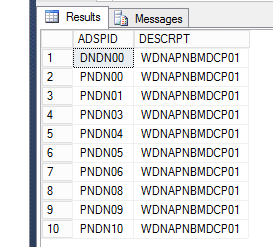
* Connect and Open the MSSQL in DN Server
* In SQL Query Page, used this query below to update the CRADSPT Table, then press F5 to execute the command



DN APP Hostname

* Used this query below to check if the **CRADSPT** table is already updated.

SELECT \* FROM DN1TCOMN.CRADSPT



It should be change from DN APP Hostname

**CRTASK**

The CRTASK table is used to designate the months of the data that DN can only handle. PNLM Task ID is the services from DN App that can handle the number of Months.

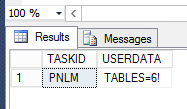
* In SQL Query Page, used this query below to update the CRTASK Table, then press F5 to execute the command



Number of months

* Used this query below to check if the **CRADSPT** table is already updated.

SELECT \* FROM DN1TCOMN.CRTASK

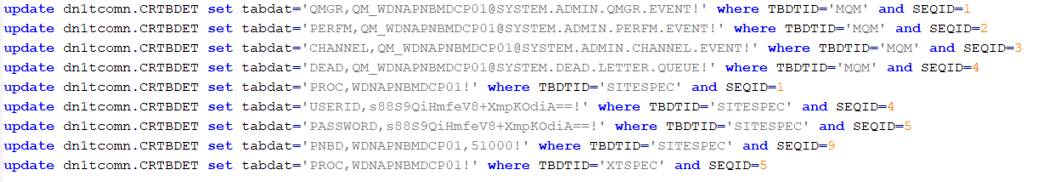


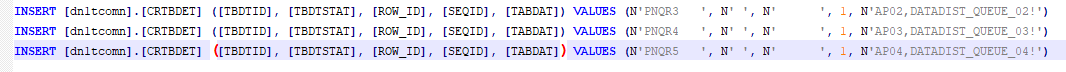
The value of the Table should be 6

**CRTBDET**

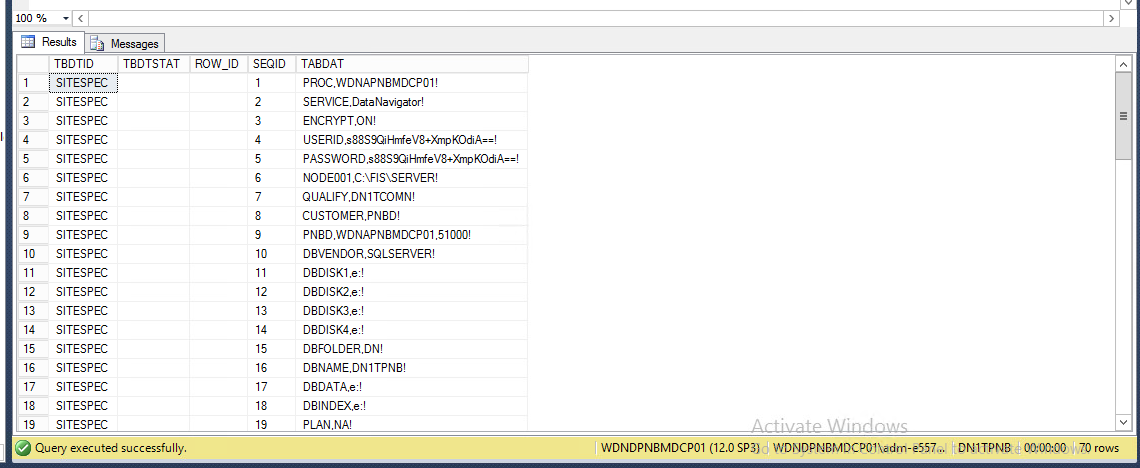
The CRTBDET Table is used to store the data from sitespec.txt. It contains the USERID and PASSWORD which is connected to the SQL Logins from database.

* In SQL Query Page, used this query below to update the CRTBDET Table, then press F5 to execute the command





• Used this query below to check if the CRTBDET table is already updated.

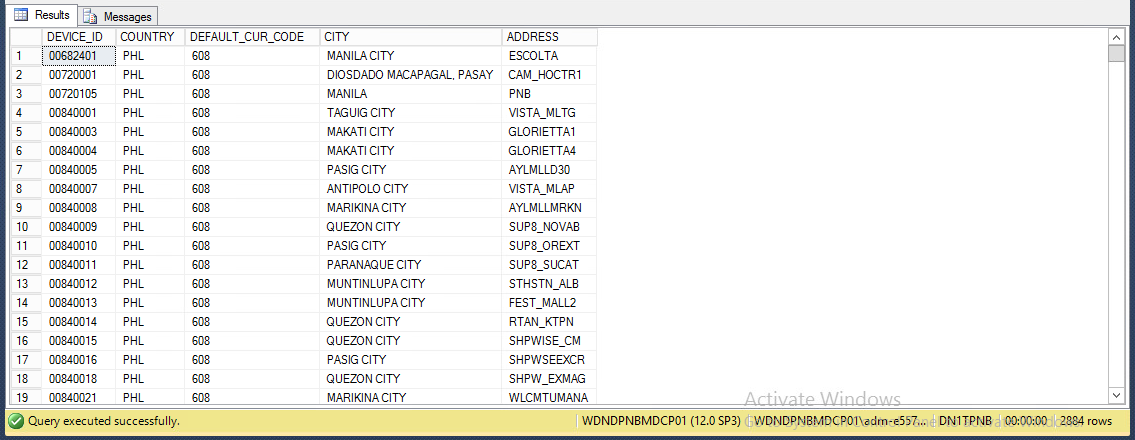


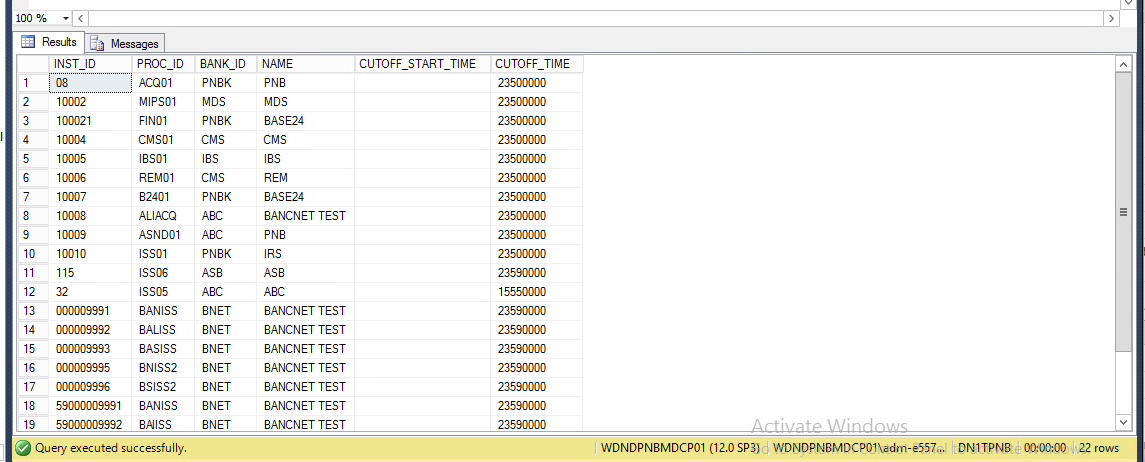
## Device, Institution, Processor Table Configuration

1. Procedure on how to Add Device, Institution and Processor Data.

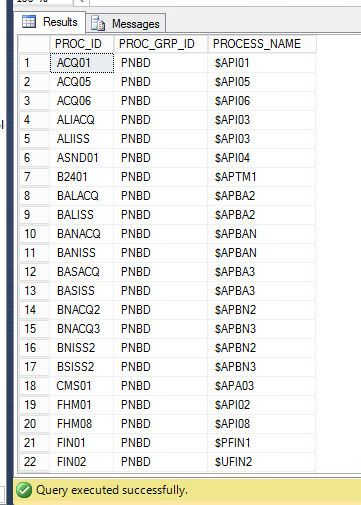
Refer to the document with CEDUNLOD File.

The Device Table was exported from the old DN and then, imported to the new DN System.



The Institution Table was exported from the old DN and then, imported to the new DN System. 

The Processor Table was exported from the old DN and then, imported to the new DN System.



## STS Customer Table

The STS Customer table column’s CAN\_TOTALS\_FLG, DEPOSIT\_TRAN\_FLG, FIN\_TOTALS\_FLG should be updated from value ‘Y’ to value ‘N’. Thus, DN can use the business configuration that was set on DN APP and DN DB. While choosing value ‘Y’ will used the default configuration instead.

