

# Configure Data Federator to use Windows AD Authentication



## Applies to:

SAP Business Object XI 3.1 SP3 FP 4, Data Federator 3.0 SP3. For more information, visit the [Business Objects homepage](#).

## Summary

This document addresses configuration of InfoView for Windows Active Directory (AD) authentication. In the following case, there is a need to configure Data Federator Designer to utilize Windows AD Authentication.

**Author:** Hemant Kumar

**Company:** Self Employed/Contractor

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## Author Bio

Hemant Kumar is a SAP Basis Consultant. He is SAP Certified and has over 7 years of experience in implementing SAP products. As a SAP technical Architect, he helps customers design, build and implement SAP applications.

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## Introduction

This document addresses configuration of InfoView for Windows Active Directory (AD) authentication. In the following case, there is a need to configure Data Federator Designer to utilize Windows AD Authentication.

**SAP BusinessObjects**

### Log on to Data Federator Administrator

**Enter your user information and click Log On.**  
(If you are unsure of your account information, contact your system administrator)

User Name:

Password:

Authentication: 

- Standard
- Enterprise
- SAP
- LDAP
- Windows AD

SAP BusinessObjects Data Federator Query Server Administrator XI 3.0 Service Pack 3 - 12.3.0.0 (Build 1011241842)

## Product version

Following product versions are using for this demo and during the preparation of this document:

- Business Object XI 3.1 SP3 FP 1 or higher
- Data Federator 3.0 SP3
- SAP Integration Kit 3.1 SP3 FP1 or higher (equivalent to BOE version)
- OS – Windows 2008 x64
- DB - SQL Server 2005 Standard

Please refer to the [Supported Platform](#) page for further information.

## Pre-Requisites

Data Federator (DF) actually utilizes BusinessObjects Enterprise (BOE) capabilities for Windows AD, SAP and Enterprise Authentication methods. This document is based on the assumption that Windows AD authentication is already enabled on BOE enterprise.

## Create the Configuration File

In the following scenario, Data Federator runs on a different server than BOE Enterprise.

Copy **krb5.in** and **bscLogin.conf** files from BOE server to Data Federator server. These files are located under C:\WINNT. Place these files under C:\WINNT on the Data Federator server.

Under C drive create a folder 'WINNT' if doesn't exist. Create two new files under C:\WINNT with following content:

### Krb5.ini

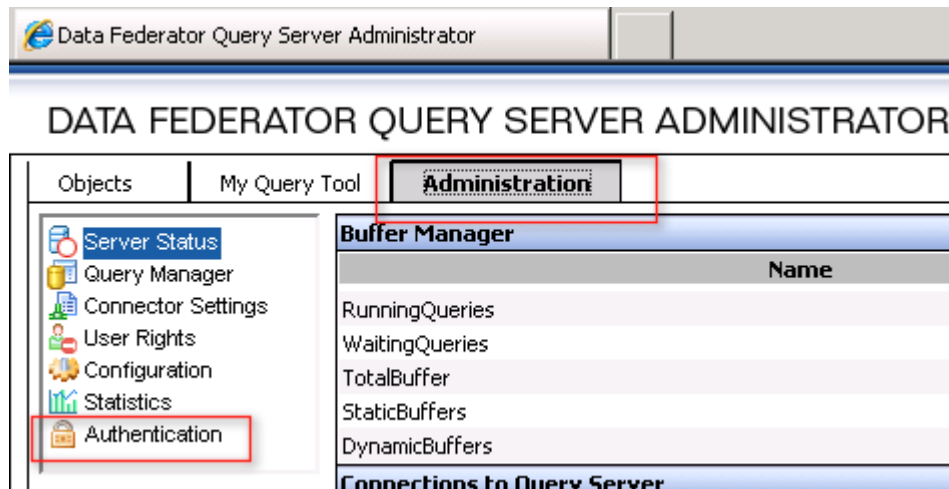
```
[libdefaults]
default_realm = DOMAIN.COM
dns_lookup_kdc = true
dns_lookup_realm = true
udp_preference_limit = 1
default_tgs_enctypes = rc4-hmac
default_tkt_enctypes = rc4-hmac
[realms]
DOMAIN.COM = {
kdc = DOMAIN.COM
kdc = DOAMINSERVERNAME1.DOMAIN.COM
kdc = DOMAINSERVERNAME2.DOMAIN.COM
kdc = DOMAINSERVERNAME3.DOMAIN.COM
default_domain = DOMAIN.COM
}
```

### bscLogin.conf

```
com.businessobjects.security.jgss.initiate {
com.sun.security.auth.module.Krb5LoginModule required debug=true;
};
```

## Configure Data Federator for BOE Enterprise authentication

Open the Data Federator Admin tool (<http://hostname:3080/>)



On the next screen, enter the BOE server name and click **Update**.

Under Mapping configuration, MAP a BOE group to the Data Federator role. It is suggested to create 3 Z roles one for Reader, one for designer and one for BOE\_ADMIN. E.g.create roles Z\_DF\_DESIGNER, Z\_DF\_READER and Z\_DF\_ADMIN in BOE CMC and assign these roles to users who will use DF.

Map these roles against DF roles and update. Once then, Assign those Z roles to users in BOE. A BOE user would be able to login to DF using Windows AD authentication if

- BOE is configured for Windows AD authentication.
- User has at least one mapped group assigned.

**SAP BusinessObjects Enterprise Authentication**

Enable

System Configuration

System:  BOE Server Name

Update Delete

---

Mapping Configuration

Define the mapping from SAP BusinessObjects Enterprise user groups to Data Federator roles

SAP BusinessObjects Enterprise user groups	Data Federator roles	Stale
<input checked="" type="checkbox"/> Administrators	boe_default	
<input checked="" type="checkbox"/> Administrators	designer	
<input checked="" type="checkbox"/> Administrators	reader	

Add a mapping

Save Cancel

### Modify the environment.bat file

Back Search Folders

Address

Name	Size	Type
DFQueryServer.exe	157 KB	App
<span style="border: 1px solid red;">environment.bat</span>	2 KB	Wir
environment.bat.in	1 KB	INI
environment.sh	2 KB	SH
environment.sh.in	2 KB	INI
hsqldb_shutdown.sql	1 KB	SQL
JavaService.LGPL.txt	24 KB	Te>
JavaService.LICENSE.txt	3 KB	Te>

File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Print this file

DFQueryServer.exe

Edit

Open

Edit

Print

Send To

Cut

Copy

Create Shortcut

Delete

Rename

Properties

```

environment.bat - Notepad
File Edit Format View Help
echo off

rem Environment variables required for Query Server
set LESELECT_HOME=D:\BOX_DFX\BusinessObjects Data Federator 12\Leselect
set LICENSE_FILE=D:\BOX_DFX\BusinessObjects Data Federator 12\keycode\license.pr
set JAVA_HOME=D:\BOX_DFX\BusinessObjects Data Federator 12\jre
set JVM_MEMORY_SIZE=512
set BITMODE=32

rem Environment variables required for ConnectionServer
set CS_HOME=D:\BOX_DFX\BusinessObjects Data Federator 12\Leselect\CS
set PATH=%CS_HOME%\bin;%PATH%

rem Environment variables required for Sap JCo (Java Connector)
set SAP_JCO_HOME=%LESELECT_HOME%\drivers\sapjco-3.0.5
set PATH=%SAP_JCO_HOME%;%PATH%

rem Environment variables required for windows AD BOE authentication mode
set JAVA_SECURITY_AUTH_LOGIN_CONFIG=C:\WINNT\bscLogin.conf
set JAVA_SECURITY_KRB5_CONF=C:\WINNT\krb5.ini

echo LESELECT_HOME      : %LESELECT_HOME%
echo LICENSE_FILE      : %LICENSE_FILE%
echo JAVA_HOME         : %JAVA_HOME%
echo CS_HOME           : %CS_HOME%
echo SAP_JCO_HOME     : %SAP_JCO_HOME%
echo PATH              : %PATH%

```

Save the file. Now execute **service\_uninstall.bat** to delete data federator query services. After that use **service\_install.bat** to re-create the service again.

This process will stop the designer service. Manually start the service. Open services and start the designer service.

Services (Local)

Select an item to view its description.

Name	Description	Status	Startup Type	Log On As
ASP.NET State Service	Provides s...		Manual	Network S...
Automatic Updates	Enables th...	Started	Automatic	Local System
Background Intelligent Transfer Service	Transfers ...	Started	Manual	Local System
BES Client	Facilitates ...	Started	Automatic	Local System
BW Publisher Service 12	Manages a...		Manual	Local System
ClipBook	Enables Cli...		Disabled	Local System
COM+ Event System	Supports S...	Started	Automatic	Local System
COM+ System Application	Manages t...	Started	Manual	Local System
Computer Browser	Maintains a...	Started	Automatic	Local System
Cryptographic Services	Provides th...	Started	Automatic	Local System
DataFederator.ConnectionDispatcher	Data Feder...	Started	Automatic	FMI\svc-e...
DataFederator.Designer	Data Feder...	Started	Automatic	FMI\svc-e...
DataFederator.QueryServer	Data Feder...	Started	Automatic	FMI\svc-e...
DataFederator.Repository	Data Feder...	Started	Automatic	FMI\svc-e...
DCOM Server Process Launcher	Provides la...	Started	Automatic	Local System
DHCP Client	Registers a...	Started	Automatic	Network S...
Distributed File System	Integrates ...		Manual	Local System
Distributed Link Tracking Client	Enables cli...	Started	Automatic	Local System
Distributed Link Tracking Server	Enables th...		Disabled	Local System
Distributed Transaction Coordinator	Coordinate...	Started	Automatic	Network S...
DNS Client	Resolves a...	Started	Automatic	Network S...

## Related Content

For more information, visit the [Business Objects homepage](#).

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