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Supports Windows Authentication for MS SQL Database Server Connections

From BioStar 2.7.14, Windows Authentication Mode for MS SQL database Connection is supported. To use the Windows Authentication mode in your BioStar 2 Server, you need to configure the login account setting of MSSQL Database Server according to the article below.

- If you used MS SQL Server Authentication mode in the former version and try to upgrade to BioStar 2.7.14 or later, you can select ONLY 'SQL Server Authentication' mode.
- You can convert from 'SQL Server Authentication' mode to 'Windows Authentication' mode or in the opposite direction in BioStar 2.7.14 or later.

Depends on Windows Account Policy of a server machine, there are two ways to configure MSSQL Windows Authentication.

1. Basic Configuration for Non Active Directory PC environment

- Run the MS SQL Server Management Studio.
- Go to 'Security > Logins > NT AUTHORITY\SYSTEMS' and double click.
- Go to 'Server Roles' and assign public and sysadmin roles.
- Go to 'User Mapping' page and choose master, AC DB, TA DB, and VE DB you created.

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2. Basic Configuration for Active Directory PC environment

- Login MS SQL Server Management Studio program with administrator account.
- Right click at 'Security > Logins' and choose 'New Login...'.
- Choose 'Windows authentication' mode and click 'Search' button.

Object Explorer	Login - New		-		×
Connect →	Selecta page & General	🖵 Script 👻 🕜 Help			
Databases Security Server New Login Creder Fiber	 ✓ Server Roles ✓ User Mapping ✓ Securables ✓ Status 	Login name: Windows authentication SOL Server authentication Password:		Search.	

• Click 'Locations' button and choose your Active Directory.

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Select User or Group	×	Locations X
Select this object type: User or Built-in security principal From this location: JHLEE2_DT Enter the object name to select (exampl	Object Types Locations es): Check Names	Select the location you want to search. Location: Interpretati
Advanced	OK Cancel	
Connection	User must change password at n	OK Cancel

• Check your name and click 'OK'.

Select User, Service Account, or Group	×		Select User, Service Account, or Group	×
Select this object type: User or Built-in security principal	Object Types	-	Select this object type: User or Built-in security principal	Object Types
From this location: suprema.co.kr	Locations	2	From this location: suprema.co.kr	Locations
Enter the object name to select (<u>examples</u>): jhlee2	Check Names	4	Enter the object name to select (<u>examples</u>): 이지현 (jhlee2@suprema.co.kr)	Check Names
Advanced OK	Cancel:		Advanced OK	Cancel

• Go to 'Server Roles' tab and assign 'sysadmin' authority.

Login - New		_	×
Select a page General Server Roles User Mapping Securables Status	Script ▼ ? Help Server role is used to grant server-wide security privileges to a user. Server roles: bulkadmin dbcreator diskadmin		
	 □ processadmin ☑ public □ securityadmin □ serveradmin □ setupadmin ☑ sysadmin 		
Connection			

- Go to 'User Mapping' tab and make default schema of master, AC DB, TA DB and VE DB to 'dbo'.
- Click 'OK'.

🗄 Login - New			_	
Select a page	🖵 Script 👻 😧 Help			
General Server Roles	Users mapped to this login:			
Securabies Status	Map Database aeosdb BioStar ESL_BK2 Master master model msdb remote_ac1 remote_ac2	User SUPREMA₩jhlee2 SUPREMA₩jhlee2	Default Schema dbo dbo	
	remote_ta2 remote_ve1 remote_ve2 temodb	SUPREMA₩jhlee2 SUPREMA₩jhlee2	dbo dbo	
Connection Server: JHLEE2_DT\SQLEXPRESS, 1433	Guest account enabled for: r Database role membership for:	emote_ve2 remote_ve2		
Connection: test <u>View connection properties</u> Progress	db_accessadmin db_backupoperator db_datareader db_datawriter db_ddladmin db_denydatareader db_denydatawriter			^
O Ready			OK	Cancel

3. Installation Change

- During the installation, you can find 'mssql windows auth.' check box if you choose 'Custom Installation > MS-SQL'.
- If Windows Authentication mode is activated, the ID and password input box will be deactivated.

Custom installati If you choose da information.	on tabase type, you must	enter the Root privileg	e account	Ę	3
DB Type :	MS-SQL V	mssql windows	auth.		
Server IP :	192.168.16.78	VE DB name :	remote_ve2		
Server port :	1433	VE Username :			
AC DB name :	remote_ac2	VE Password :			
AC Username :					
AC Password :					
TA DB name :	remote_ta2				
TA Username :		Check the data	base connection	1	
TA Password :		Generate the d	atabase tables		

If there is any issue during checking the DB connection, you cannot move on to the next step.

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