

Afaria Setup 9: Configuration - SQL Server

Author : Tobias Hofmann

Date : August 14, 2015

Afaria needs a database server to save its data into a database. This data was installed in the previous step. Now the SQL Server Express data needs to be prepared for SAP Afaria installation.

Preparation

Afaria will need a user to log on to SQL Server Express. As Windows is already hosting an Active Directory, an SAP Afaria user can be created to be used to log on to SQL Server. The same user will be used later by Afaria as the Afaria service user. The user is created in the AD using the Active Directory tool.

Create user

- First name: **afauser**
- Last name: n/a
- Full name: afauser
- User logon name: **afauser@tobias.de**

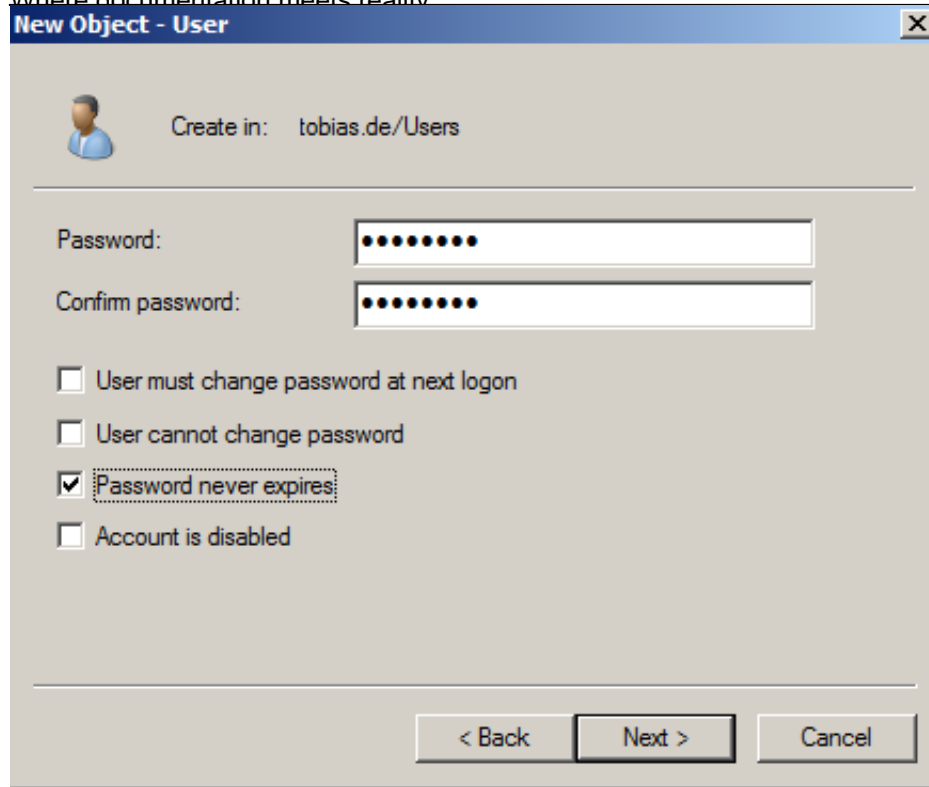
The screenshot shows the 'New Object - User' dialog box in Active Directory. The 'Create in' field is set to 'tobias.de/Users'. The fields are filled with the following information:

Field	Value
First name:	Afaria
Initials:	
Last name:	User
Full name:	Afaria User
User logon name:	afauser @tobias.de
User logon name (pre-Windows 2000):	TOBIAS\ afauser

Buttons at the bottom: < Back, Next >, Cancel

It's full of stars!

Where documentation meets reality



New Object - User

Create in: tobias.de/Users

Password: [.....]

Confirm password: [.....]

User must change password at next logon

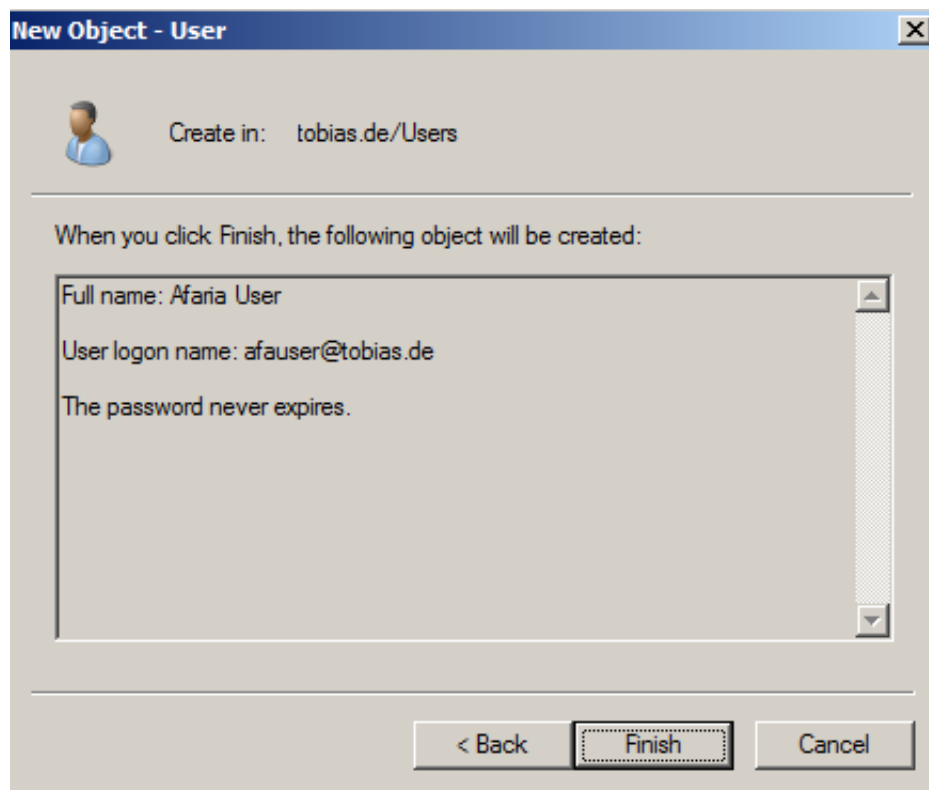
User cannot change password

Password never expires

Account is disabled

< Back Next > Cancel

Confirm the user data.



New Object - User

Create in: tobias.de/Users

When you click Finish, the following object will be created:

Full name: Afaria User

User logon name: afauser@tobias.de

The password never expires.

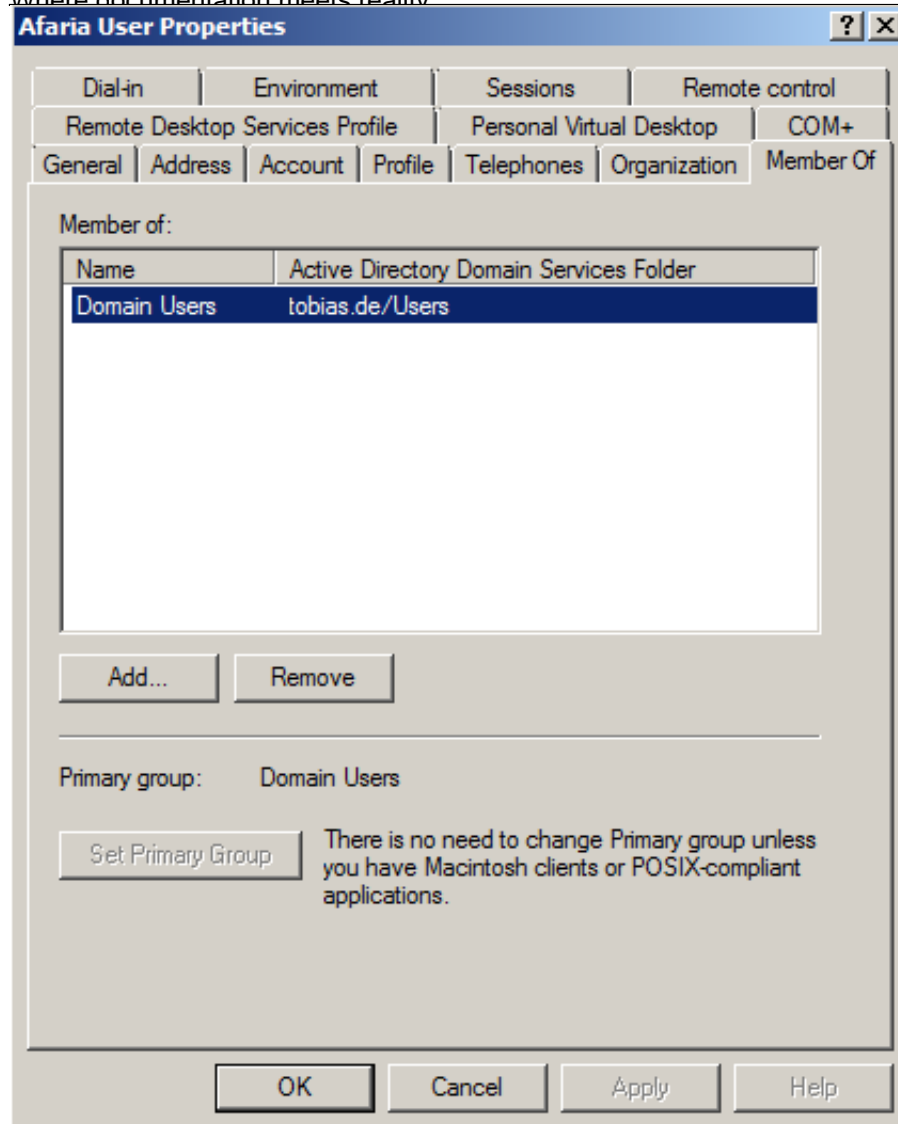
< Back Finish Cancel

Add user to groups

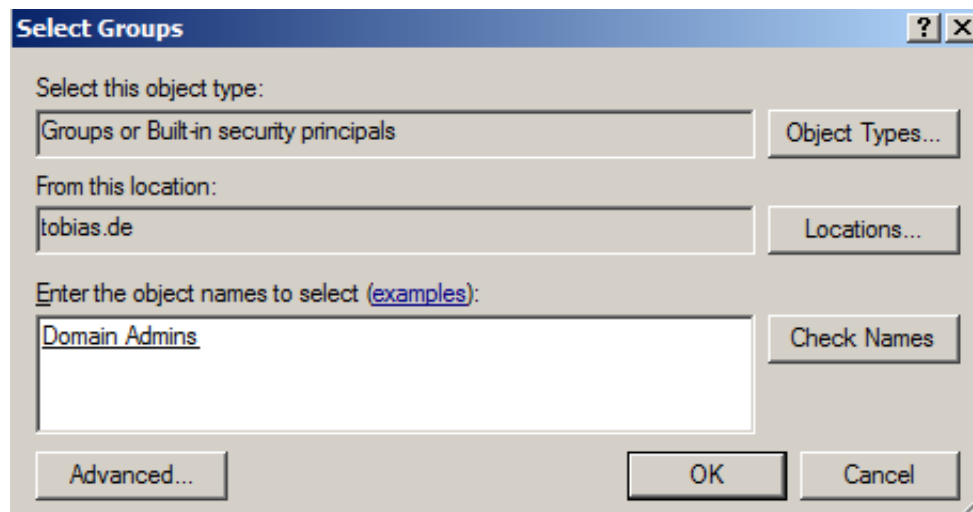
After the user afauser is created, the user must be prepared for Afaria tasks. This is done by adding him to the right user groups. By default, the user is already part of the domain users. It must be added to domain admins too.

It's full of stars!

Where documentation meets reality

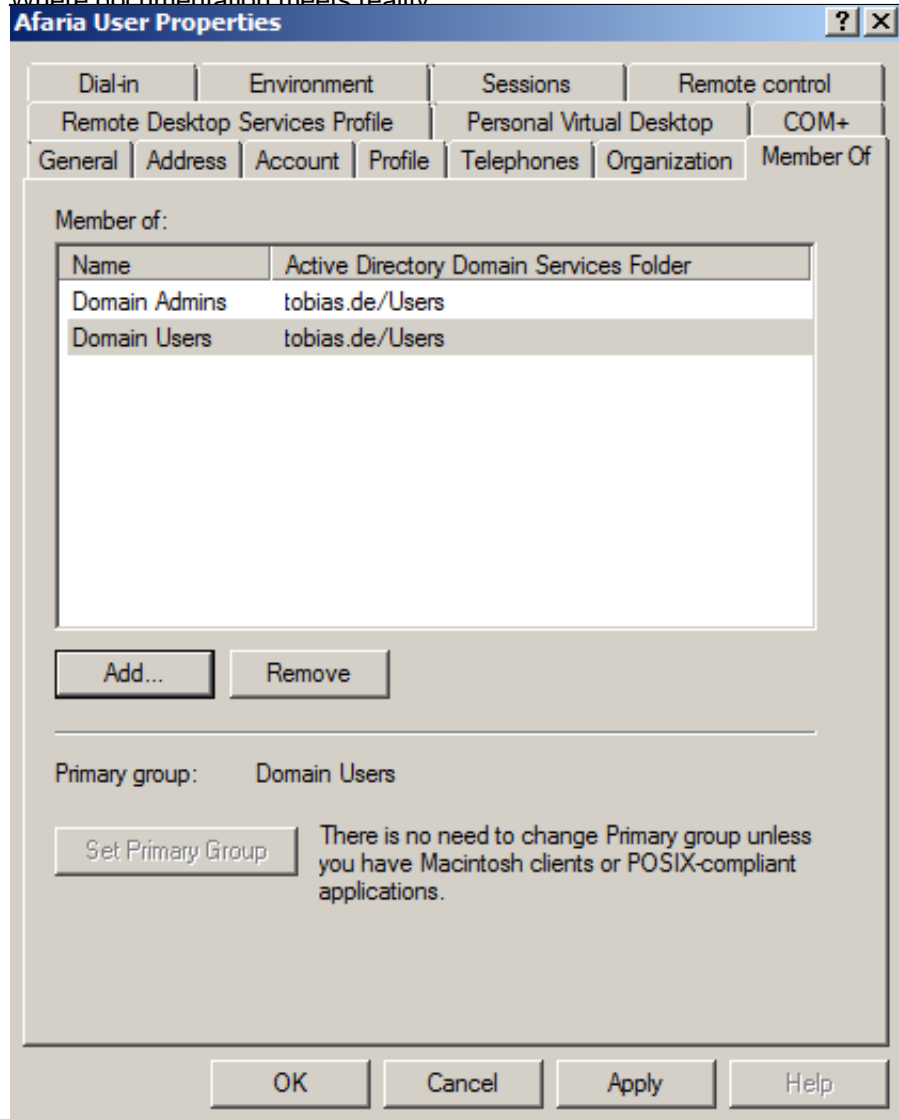


Select group: Domain Admins.



It's full of stars!

Where documentation meets reality

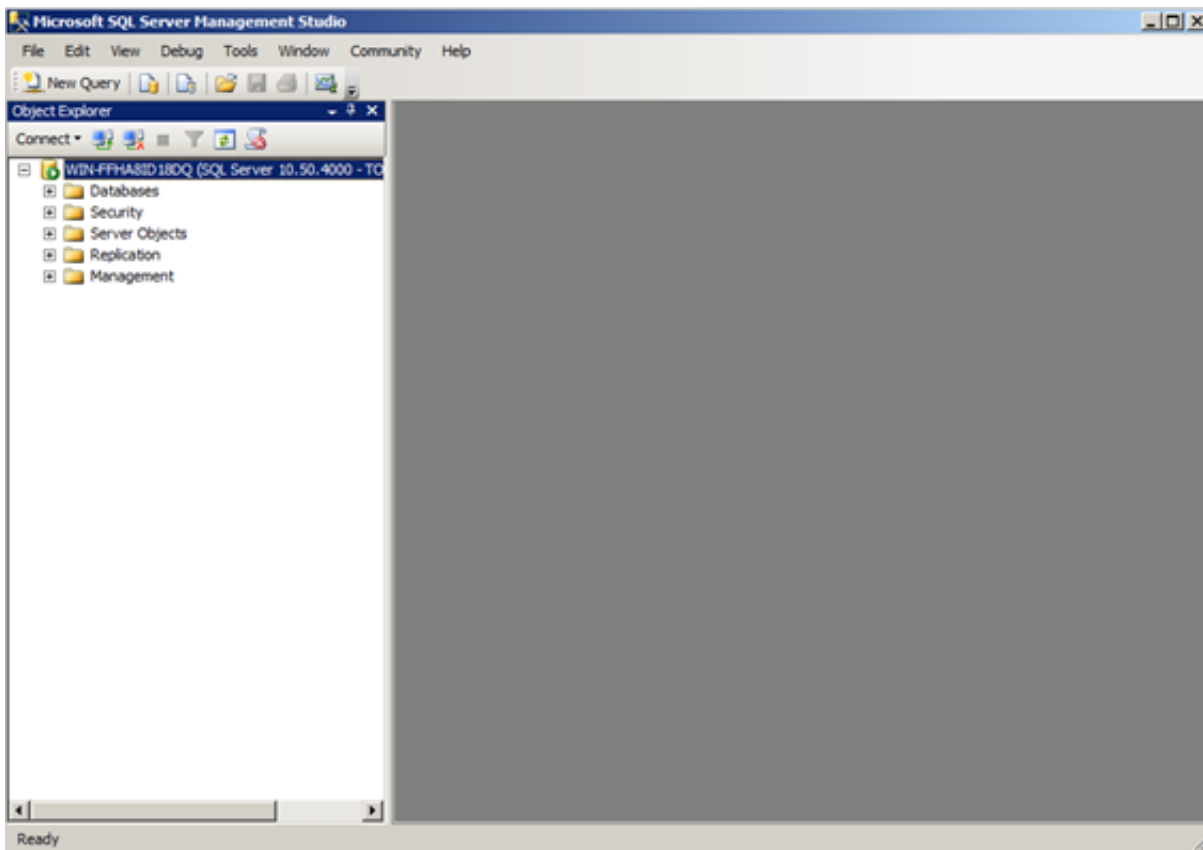
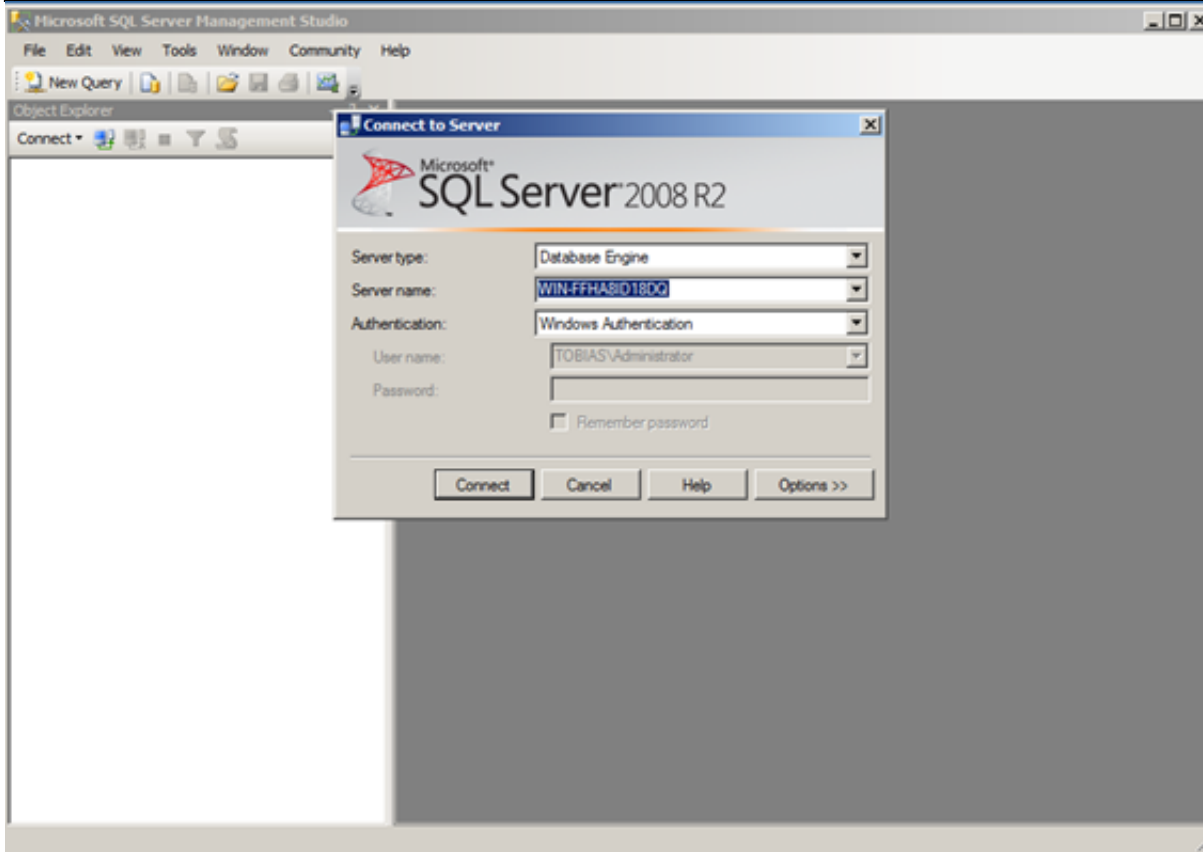


Create Afaria DB

Start SQL Server Management Studio

It's full of stars!

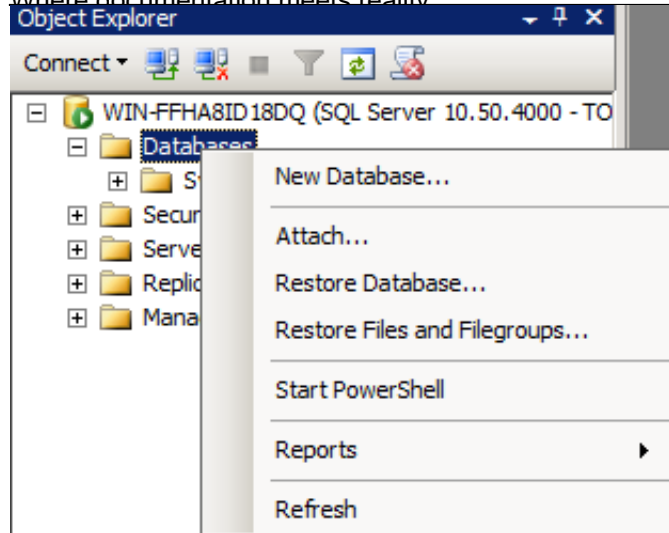
Where documentation meets reality



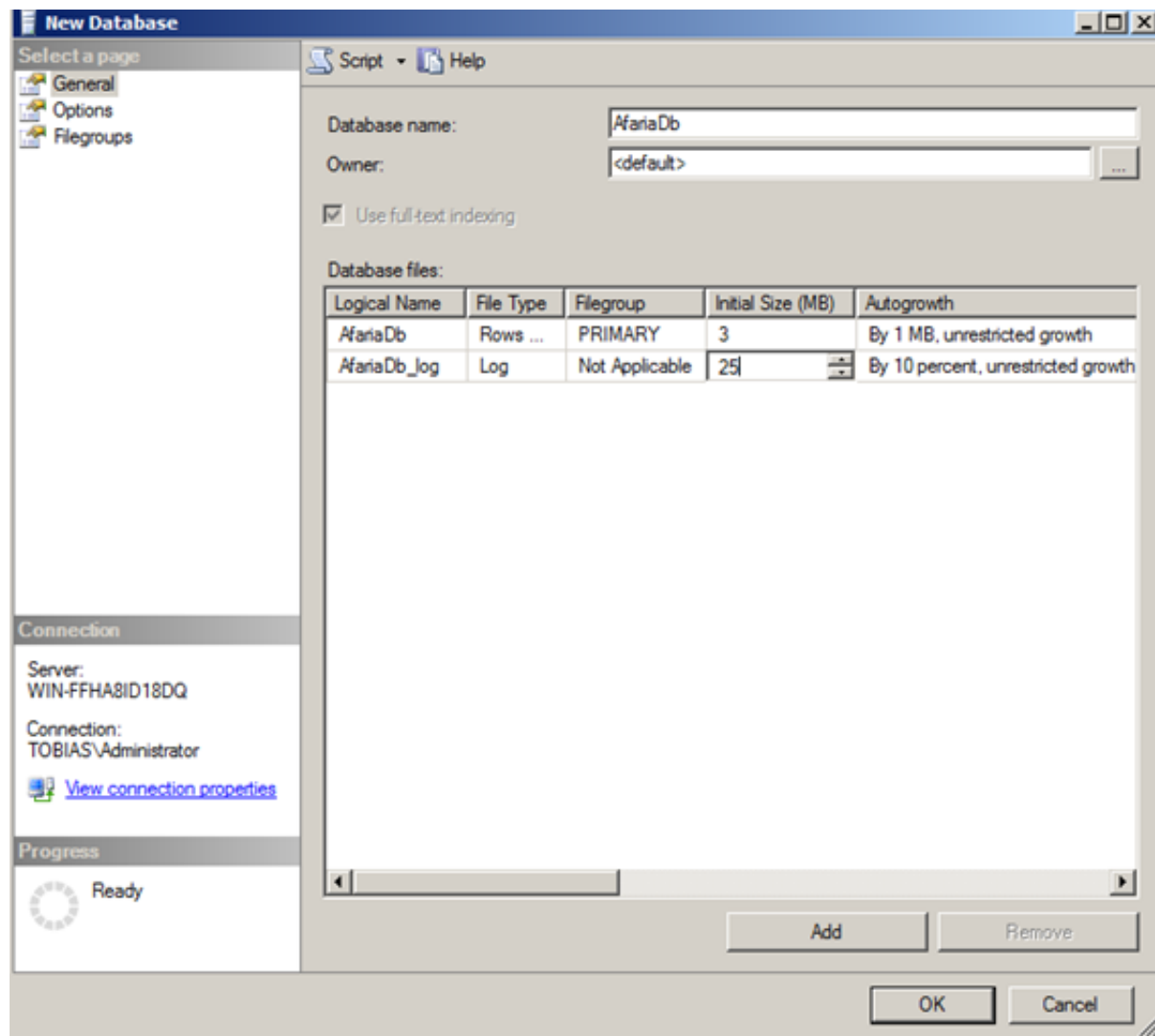
Open the context menu of the database node of the server and select *New Database*.

It's full of stars!

Where documentation meets reality



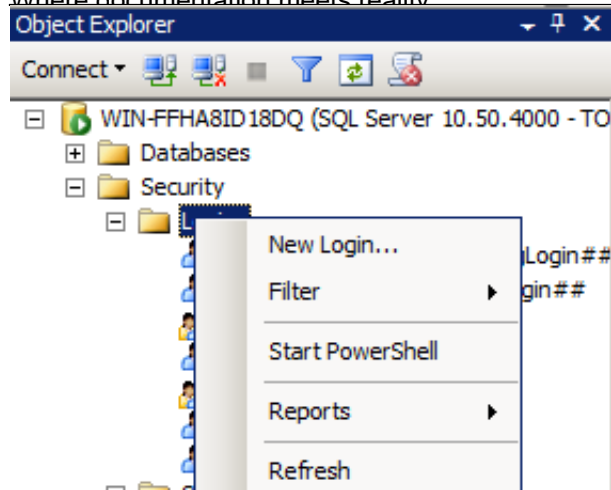
Enter a name for the database (AfariaDb) and give as initial log size 25 MB. The rest of the configuration parameters can be left as is.



Select the *Security* folder and *Login*. Open the context menu and select *New Login*.

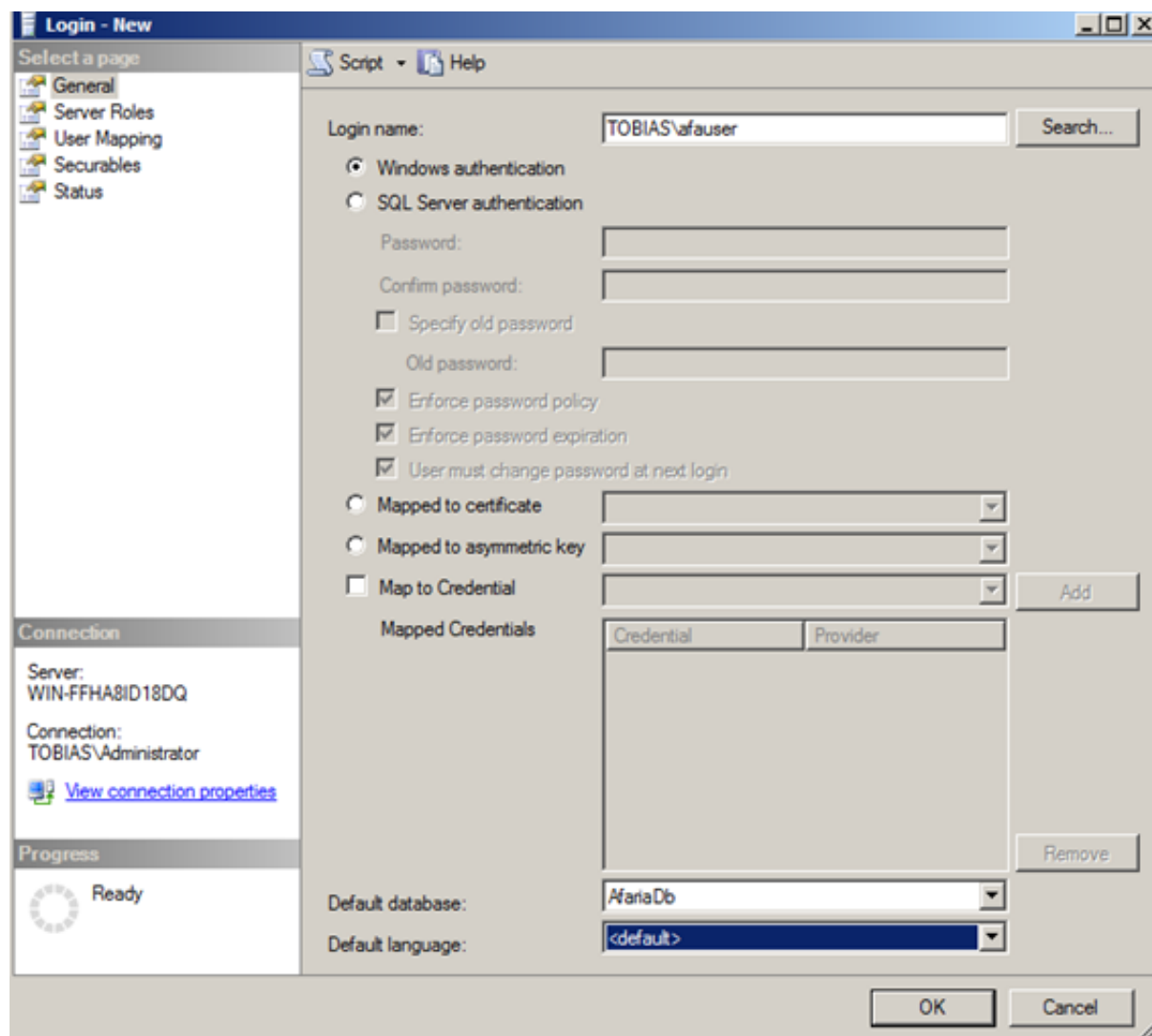
It's full of stars!

Where documentation meets reality



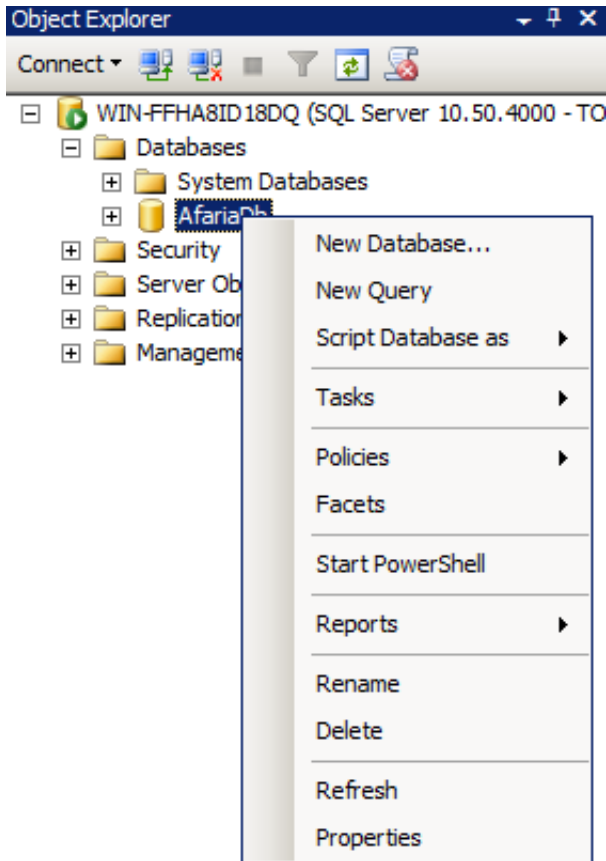
Chose as login name the afauser created in section preparation. Set as default database AfariaDb.

- Login name: **afauser@tobias.de**
- Windows authentication: **yes**
- Default DB: **AfariaDB**
- Default language:

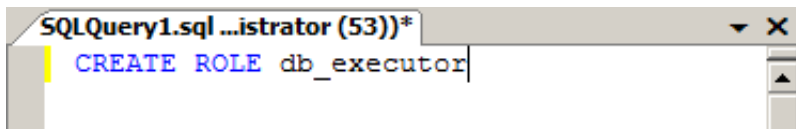


Add db_executor role

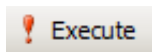
Select AfariaDb under SQL Server and Databases. Select *New Query*.



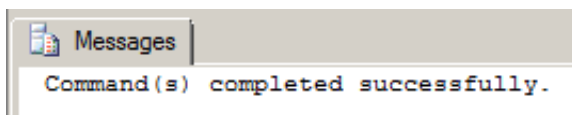
In the query editor, enter: **CREATE ROLE db_executor**



Select *Execute*



The runs the SQL query on the AfariaDb. In the output message window the status of the query can be seen.



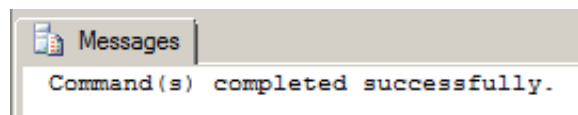
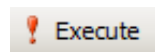
Next, run the query: **GRANT EXECUTE TO db_executor**

It's full of stars!

Where documentation meets reality

```
SQLQuery1.sql ...istrator (53))*  
GRANT EXECUTE TO db_executor
```

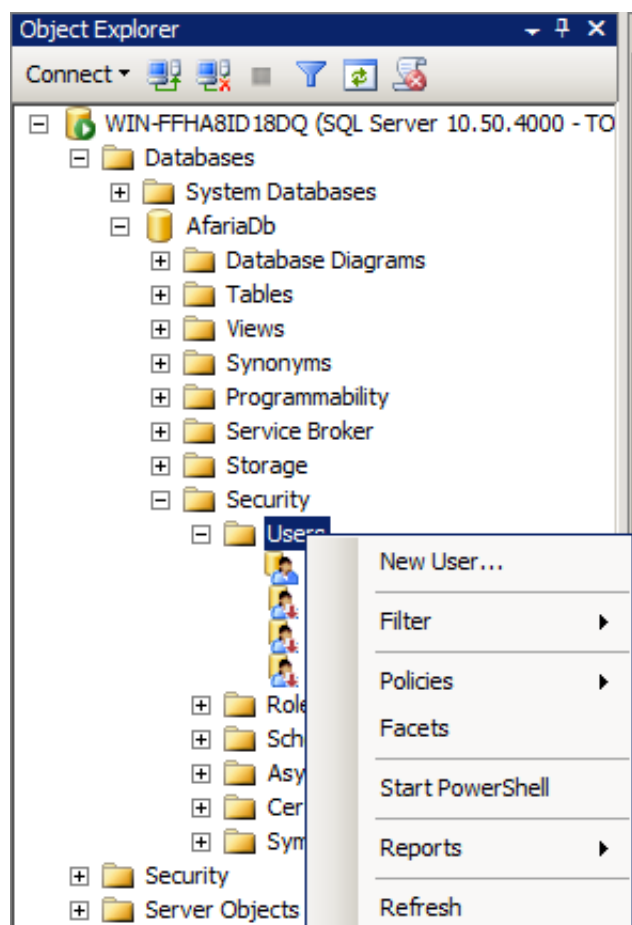
Select *Execute*



These 2 queries created a new role and granted the db_executor permission to it.

Assign roles

Next step is to assign to afauser the needed roles. Select *Security* -> *Users* under AfariaDb and click on *New User*.



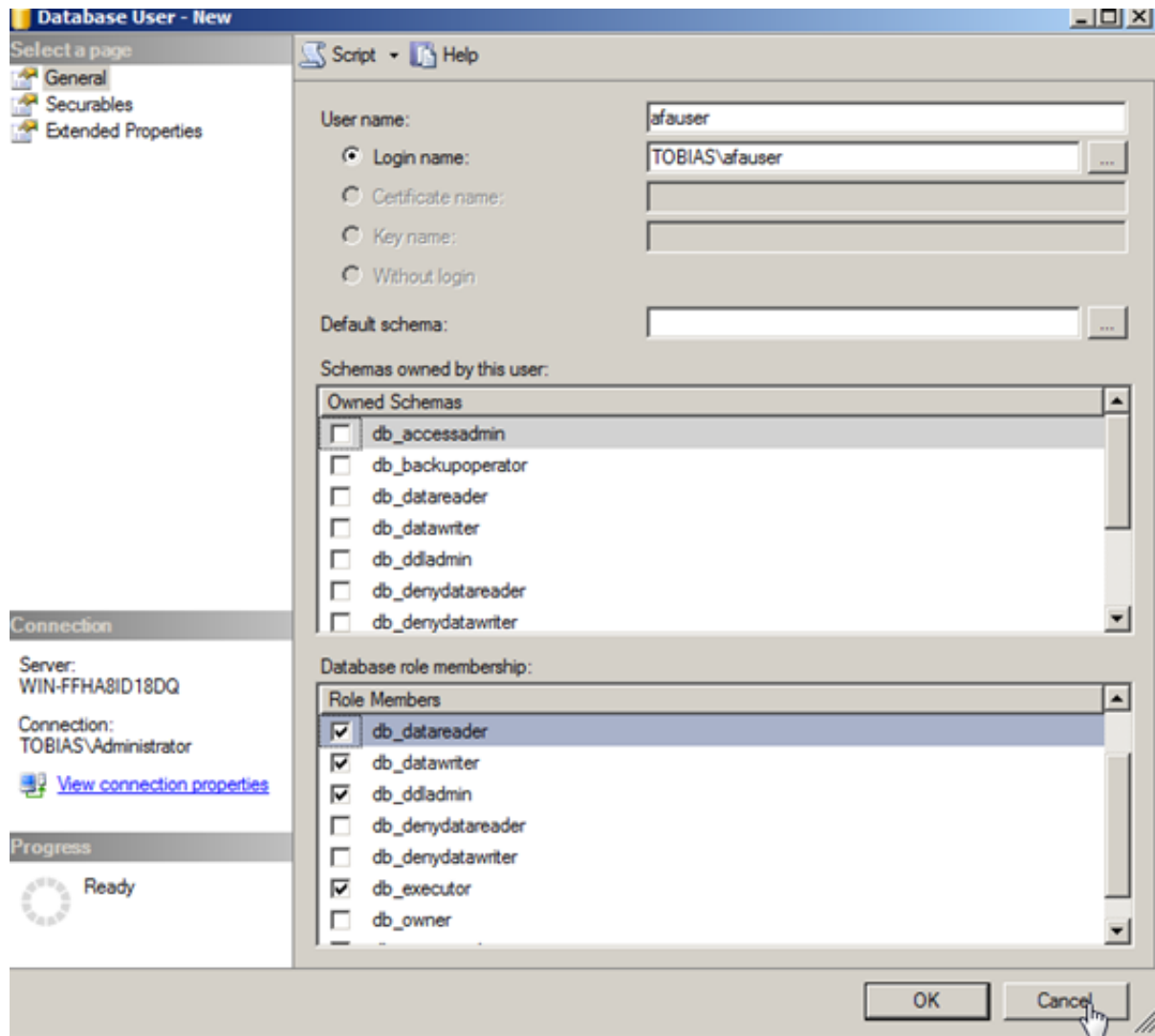
Select afauser and give the following Database role memberships:

- db_dataread
- db_datawriter

It's full of stars!

Where documentation meets reality

- db_ddladmin
- db_executor



This concludes preparing Windows 2008 R2 Enterprise for Afaria. The next steps are now installing Afaria server.