Databases Laboratory Work Nr.1

Title: SQL Server 2017 Installation and Configuration

Prerequisites: SQL Server 2017 and SSMS (version 17.9)

Objectives: Install SQL Server and SSMS. Got basic knowledge on installation of SQL Server instance, creating users and managing roles and permissions.

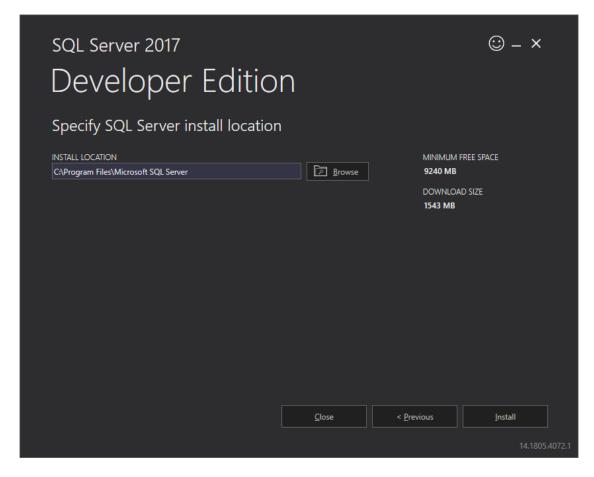
Tasks:

- 1. Install SQL Server 2017
- 2. Register server with SQL authentication type.
- 3. Create 3 logins with SQL authentication
 - a. Give first user access to HumanResources scheme.
 - b. Give second user read-only permission for Sales scheme
 - c. Third user should have access to create new database and change its security settings.

Implementation:

Task 1:

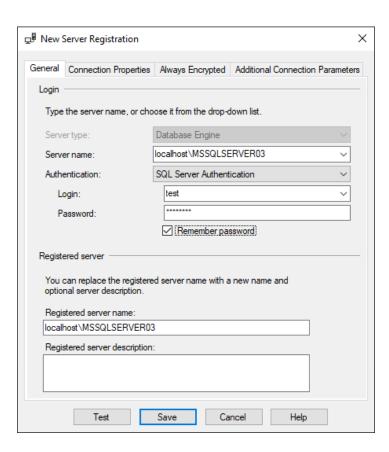
Installing server.

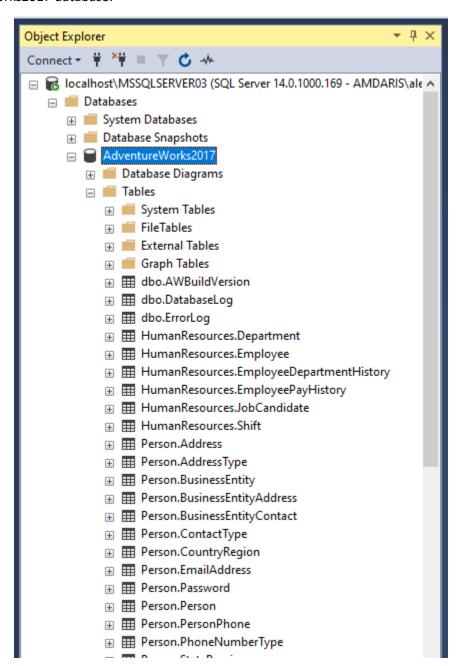


sql Server 2017 © – × Developer Edition			
Installation has completed successfully!			
INSTANCE NAME	CONNECTION STRING		
MSSQLSERVER03	Server=localhost\MSSQLSERVER03;D	Database=master;Trusted_Connection:	
SQL ADMINISTRATORS	SQL SERVER INSTALL LOG FOLDER	SQL SERVER INSTALL LOG FOLDER	
AMDARIS\alexandru.rosca	C:\Program Files\Microsoft SQL Serve	er\140\Setup Bootstrap\Log\2020092	
FEATURES INSTALLED	INSTALLATION MEDIA FOLDER		
SQLENGINE	C:\SQLServer2017Media\Developer_l	C:\SQLServer2017Media\Developer_ENU	
VERSION	INSTALLATION RESOURCES FOLDER		
14.0.1000.169, RTM	C:\Program Files\Microsoft SQL Serve	C:\Program Files\Microsoft SQL Server\140\SSEI\Resources	
•	≻ Connect Now Customize	Install SSMS Close 14.1805.4072.1	

Task 2:

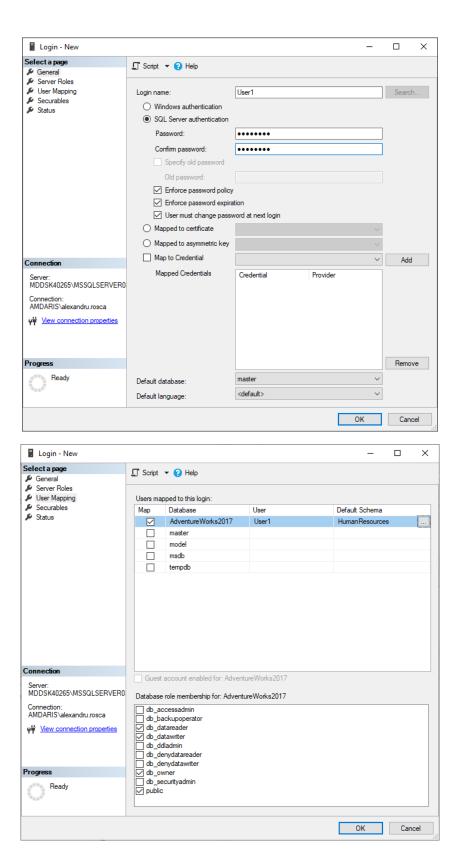
Register server:



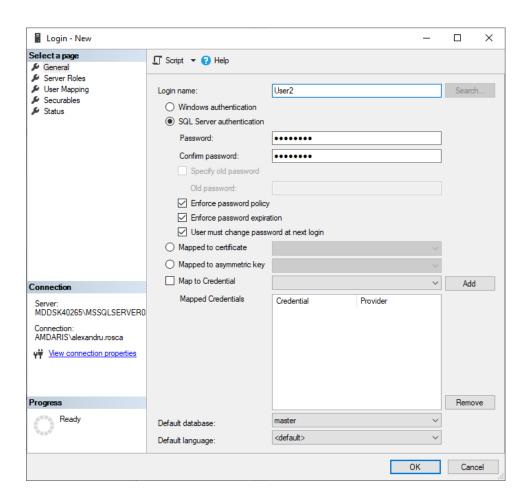


Task 3:

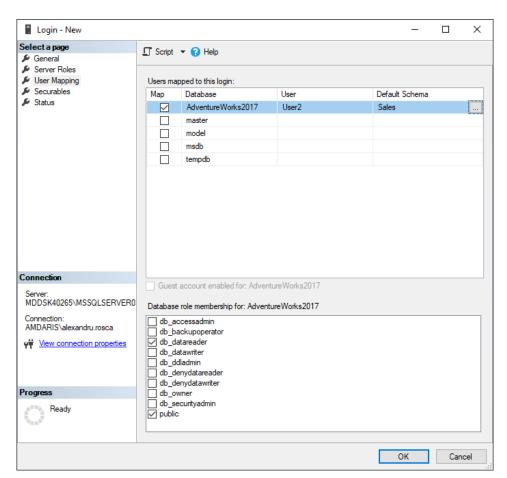
Create user with access to HumanResources scheme:



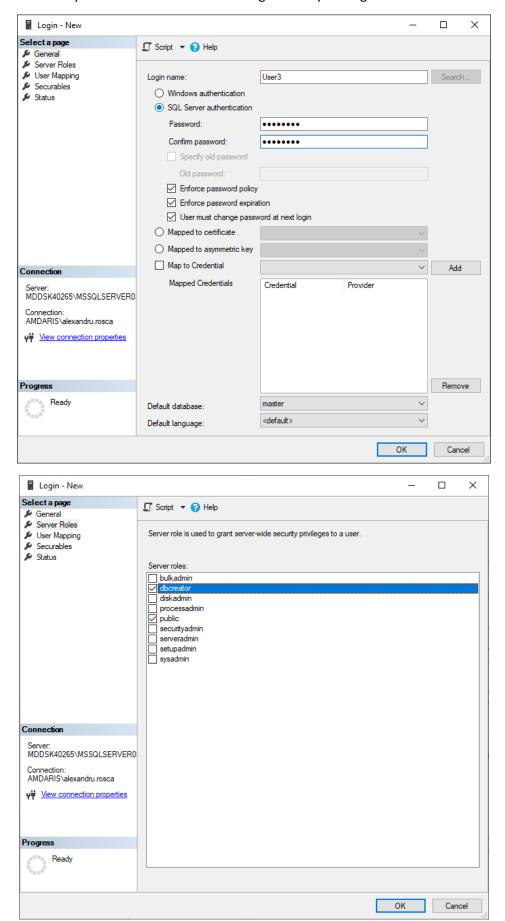
Create user read-only permission for **Sales** scheme:



Adding roles:



Create user with ability to create databases and change security settings:



Conclusion: in this work I installed SQL Server 2017 and SSMS. I've got basic knowledge on how to create an instance of SQL Server, which type of users in maintains and what security tools in can afford. Also, I got knowledge on restoring a database from backup, as well as assigning different security restrictions for database users.