

# Database Laboratory Work #2

**Title:** Database Maintenance

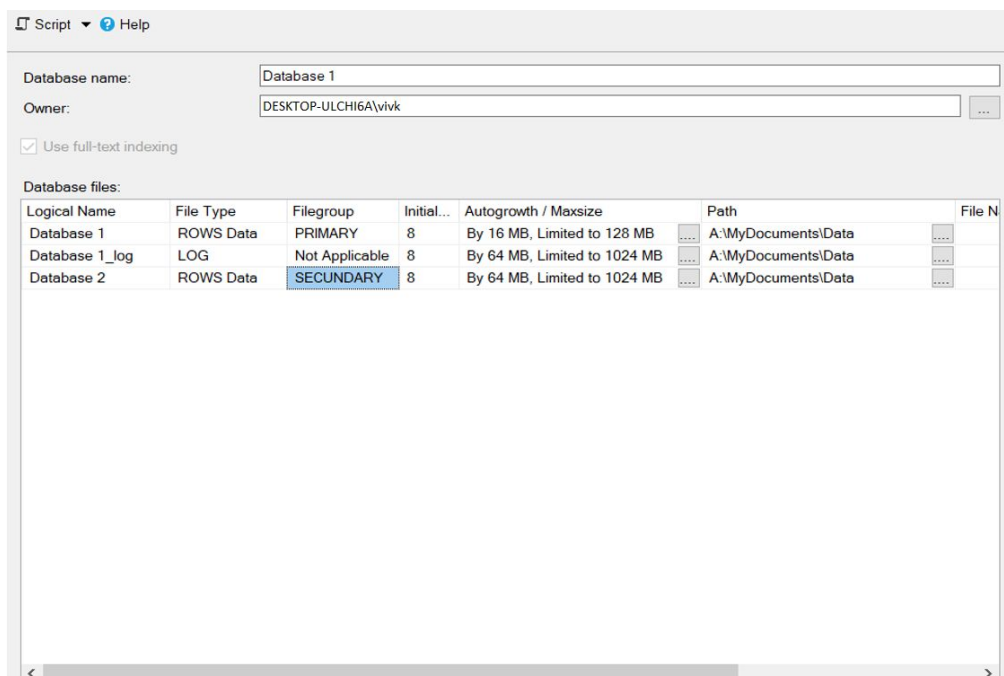
**Done by:** Volcov Oleg, FAF-191

**Prerequisites:** SQL Manager 2017.

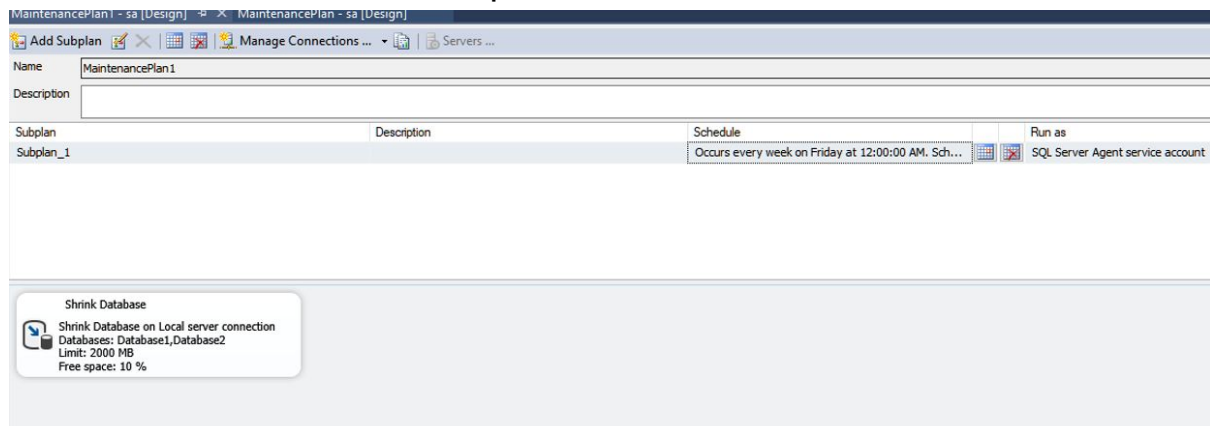
**Objectives:** Successful create and configure of an SQL Server.

## Implementation:

- 1. Create first database.



- 2. Create maintenance plan.



- 3. Create second database.

☒ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize	Path	File N
Database 2	ROWS Data	PRIMARY	8	By 64 MB, Unlimited	A:\MyDocuments\Data	
Database 2_log	LOG	Not Applicable	8	By 64 MB, Unlimited	A:\MyDocuments\Log	

< >

Add Remove

OK Cancel

▼ State

Database Read-Only	False
Database State	NORMAL
Encryption Enabled	False
Restrict Access	SINGLE_USER


Restrict Access

- 4. Set up maintenance tasks.

**Select Maintenance Tasks**  
Which tasks should this plan perform?

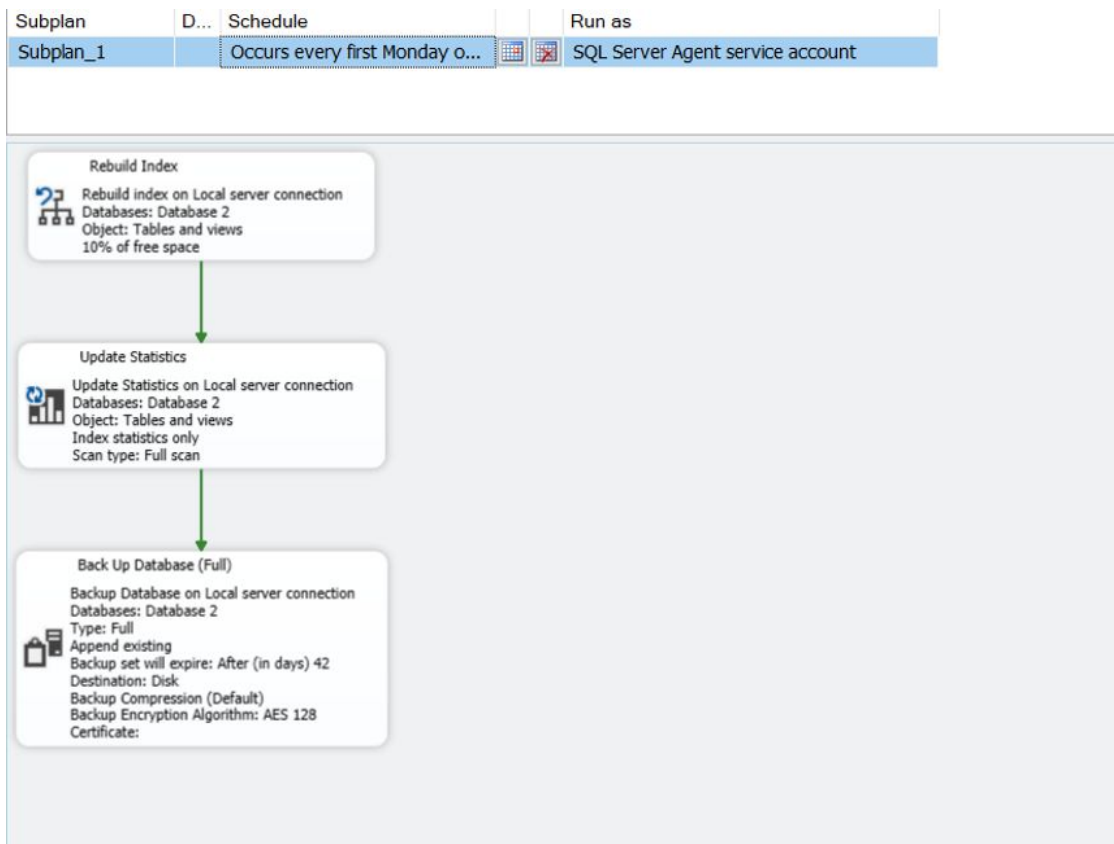
Select one or more maintenance tasks:

- ☐ Check Database Integrity
- ☐ Shrink Database
- ☐ Reorganize Index
- ☒ Rebuild Index
- ☒ Update Statistics
- ☒ Clean Up History
- ☐ Execute SQL Server Agent Job
- ☐ Back Up Database (Full)
- ☐ Back Up Database (Differential)
- ☐ Back Up Database (Transaction Log)
- ☒ Maintenance Cleanup Task

 The Maintenance Cleanup task removes files left over from executing a maintenance plan.


Help < Back Next > Finish Cancel

- 4. Create maintenance "Reconstruire index".



- 5. Proofs of fourth task.

**Maintenance Plan Wizard Progress**  
Click Stop to interrupt the operation.

 **Success** 5 Total 0 Error  
5 Success 0 Warning

Details:

Action	Status	Message
✓ Creating maintenance plan "Reconstruire index"	Success	
✓ Adding tasks to the maintenance plan	Success	
✓ Adding scheduling options	Success	
✓ Adding reporting options	Success	
✓ Saving maintenance plan "Reconstruire index"	Success	

Stop Report ▼

Close

**Conclusion:**

In this Laboratory I created 2 Databases and set their growing limits and primary and secondary filegroups. Afterwards I scheduled the maintenance plan for each of this databases.