

Database Laboratory Work #2

Title: Database Maintenance

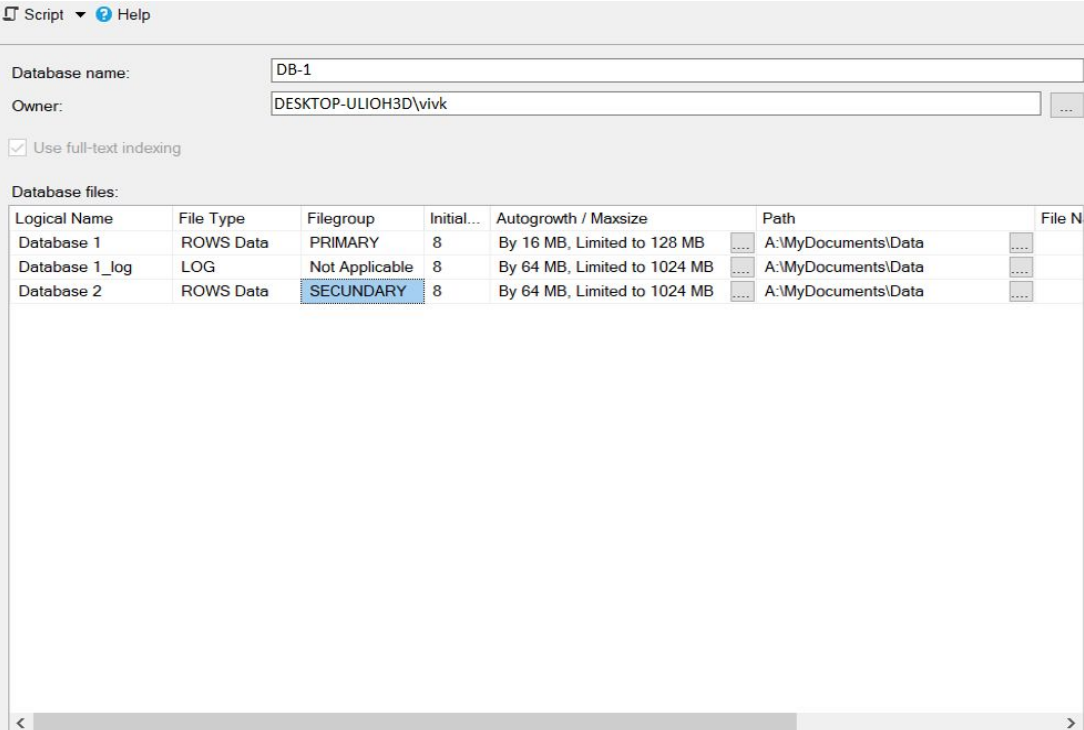
Done by: Volcov Oleg, FAF-191

Prerequisites: SQL Manager 2017.

Objectives: Successful create and configure of an SQL Server.

Implementation:

- 1. Create first database.



Script Help

Database name: DB-1

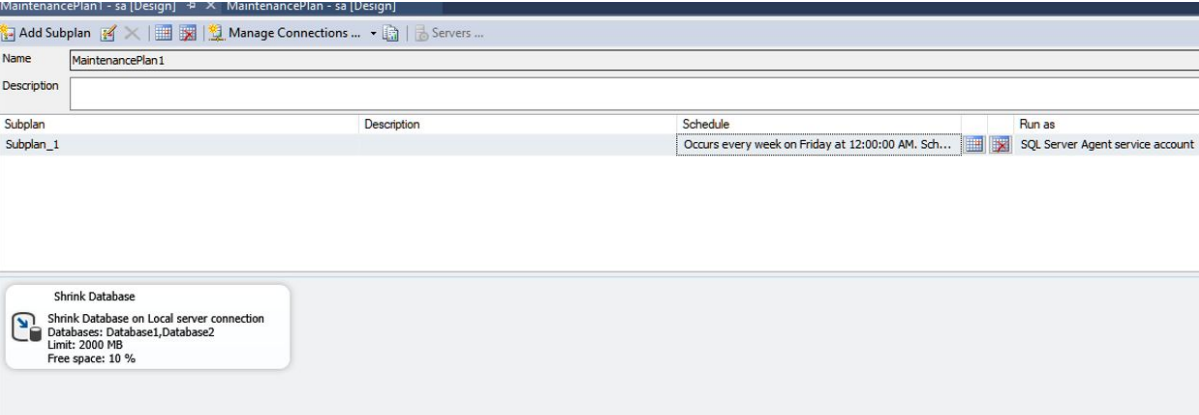
Owner: DESKTOP-ULIOH3D\vivk

☒ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Initial...	Autogrowth / Maxsize	Path	File N
Database 1	ROWS Data	PRIMARY	8	By 16 MB, Limited to 128 MB	A:\MyDocuments\Data	
Database 1_log	LOG	Not Applicable	8	By 64 MB, Limited to 1024 MB	A:\MyDocuments\Data	
Database 2	ROWS Data	SECONDARY	8	By 64 MB, Limited to 1024 MB	A:\MyDocuments\Data	

- 2. Create maintenance plan.



MaintenancePlan1 - sa [Design] MaintenancePlan - sa [Design]

Add Subplan Manage Connections ... Servers ...

Name: MaintenancePlan1

Description:

Subplan	Description	Schedule	Run as
Subplan_1	Shrink Database on Local server connection	Occurs every week on Friday at 12:00:00 AM. Sch...	SQL Server Agent service account

Shrink Database

Shrink Database on Local server connection

Databases: Database1, Database2

Limit: 2000 MB

Free space: 10 %

- 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


+ DB2 (Single User)

- 4. Set up maintenance tasks.

Select Maintenance Tasks
Which tasks should this plan perform?

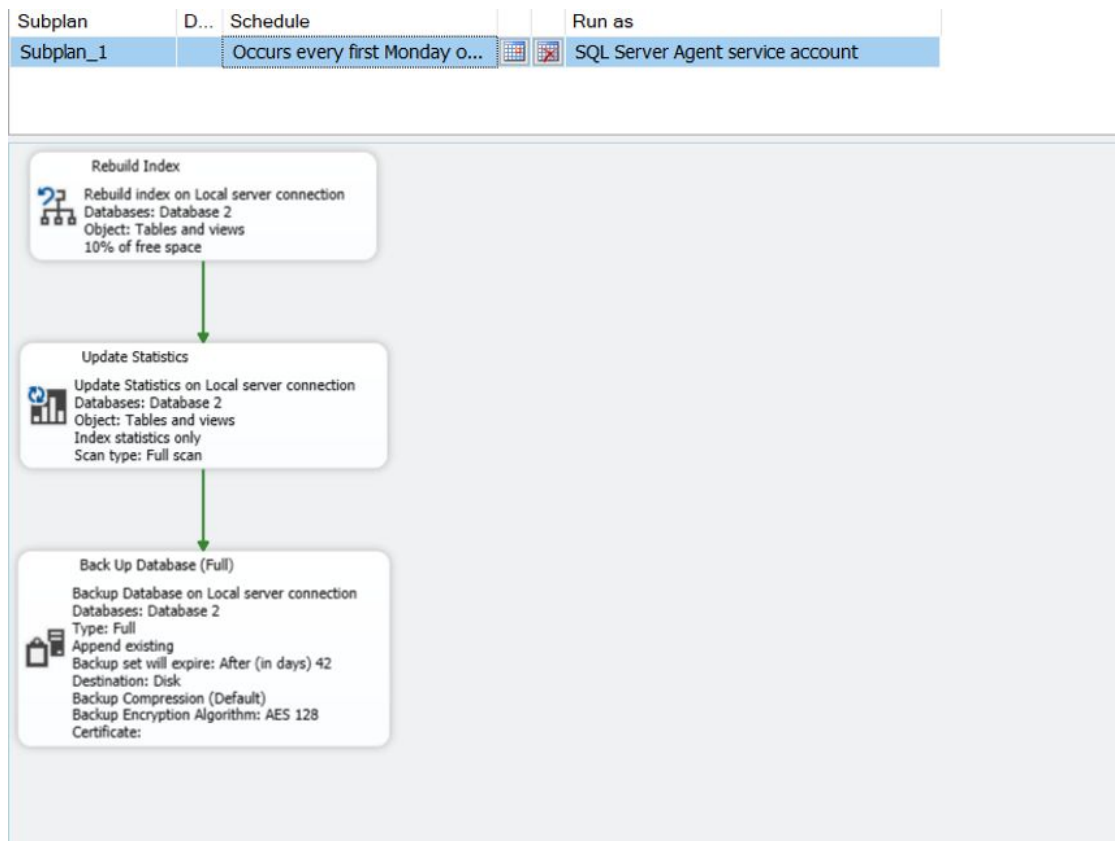
Select one or more maintenance tasks:

- ☐ 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.