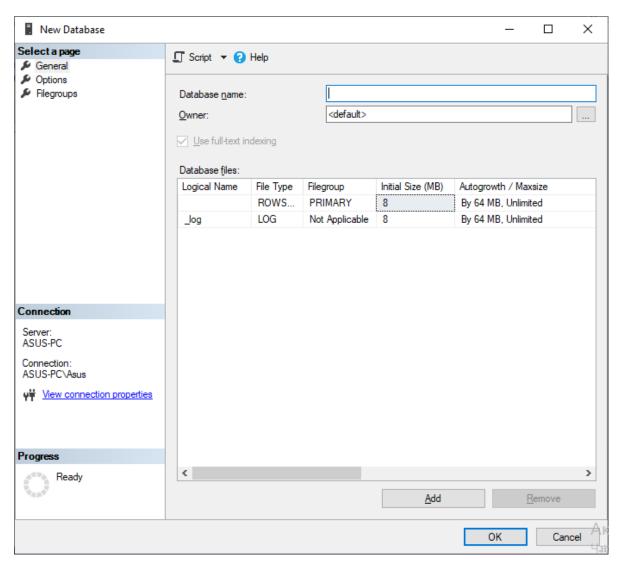
Laboratory #2 Gherman Artiom

Tasks:

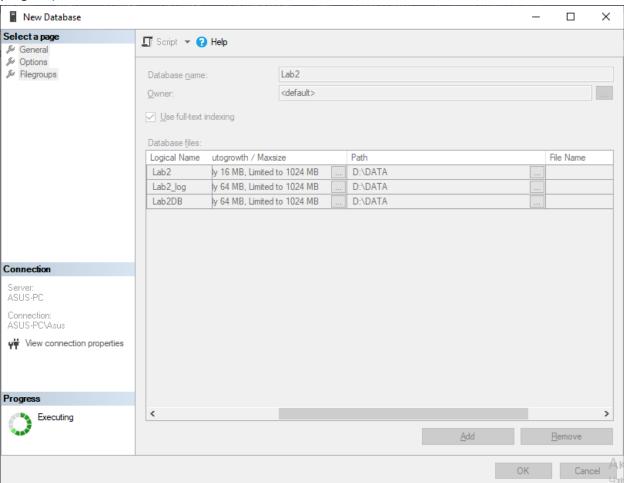
- 1. Creati o baza de date plasata fizic in mapa MyDocuments\Data, fixand o crestere a fisierului primar a bazei de 16MB cu limita de crestere de 128 MB si a log-ului de 64 MB cu limita de crestere de 1024 MB. Pentru fisierele secundare sa se defineasca un Filegroup nou implicit, setand cresterea fisierelor secundare de 64 MB cu limita de 1024 MB.
- 2. Creati o baza de date, unde fisierul log sa fie fizic plasat in mapa MyDocuments\Log, numele fisierului log in mediul sistemului de operare trebuie sa se deosebeasca de cel logic definit in schema fizica. Este important ca baza de date creata sa fie compatibila cu sistemul MS SQL Server 2017 si ea sa fie accesibila numai unui singur utilizator intr-un moment de timp.
- 3. Creati planul de mtretinere a bazei de date, construita m sarcina 1. Spatiul neutilizat de fi~ierele bazei de date trebuie mdepartat atunci cand el atinge marimea 2000Mb. Spatiul eliberat trebuie sa fie returnat sistemului de operare. Aceasta operatiune trebuie sa ruleze m fiecare vineri, la ora 00:00. Raportul executarii planului de mtretinere trebuie salvat m docarul MyDocuments\SQL_event_logs. Initializati executarea planului. Dupa executare, verificati rezultatele m fi~ierul log.
- 4. Creati planul de mtretinere a bazei de date, construite m exercitiul 2. Numele planului va fi: "Reconstruire index". in cadrul acestui plan, sistemul trebuie sa realizeze reconstruirea indec~ilor numai asupra tabelelor de baza (exclusiv viziunilor) din toate schemele care exista m baza de date m cauza. Spatiul liber pe pagina trebuie sa fie 10%. Sortarea indec~ilor trebuie sa se realizeze m tempdb. Dupa reconstruire, trebuie sa urmeze colectarea statisticilor complete despre indec~ii reconstruiti. Al treilea pas al planului trebuie sa constituie sarcina de ~tergere a istoriei despre operatiile de Backup-Restore ce au avut Joe pe SQL Server. Trebuie ~ters istoricul care este mai vechi de 6 saptamani. Acest plan trebuie sa fie executat In fiecare prima duminica a lunii. Creati dosarul MyDocuments\SQL_reports. Raportul de executare a planului trebuie sa fie adaugat m acest fi~ier. Procesul de mentenanta sa fie logat m mod extended. Initializati executarea planului. Dupa executare, verificati rezultatele m fi~ierul log generat.

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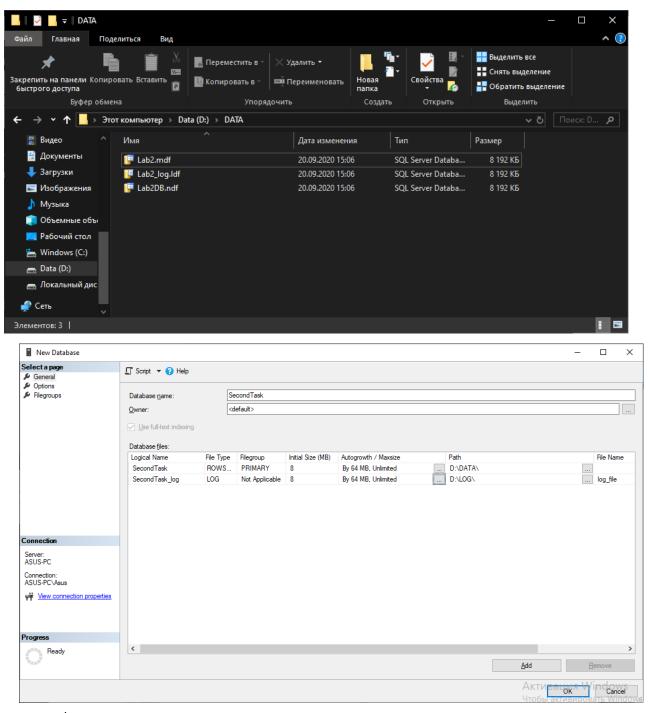
The 1st Task:



Changing path (cause I have very slow computer I can't even open path "C:\Users\Asus\Documents" in program)



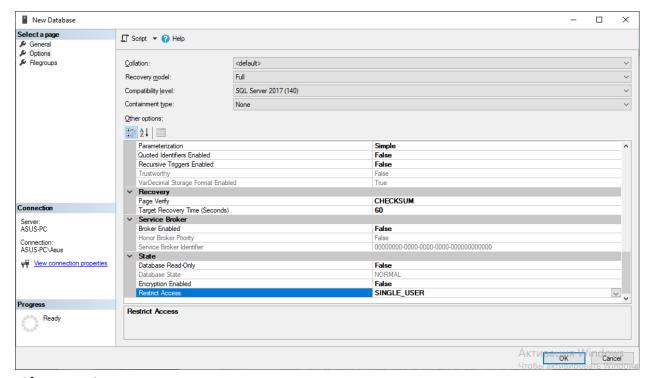
So I have:



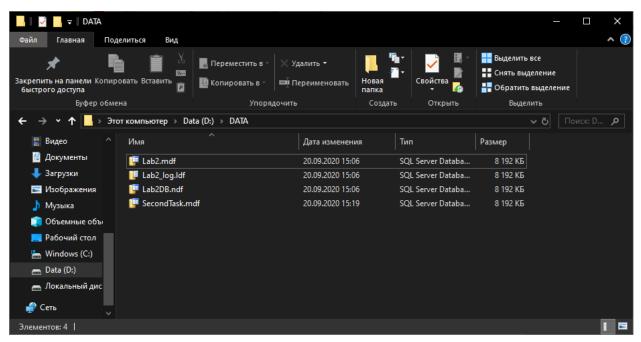
The 2nd Task:

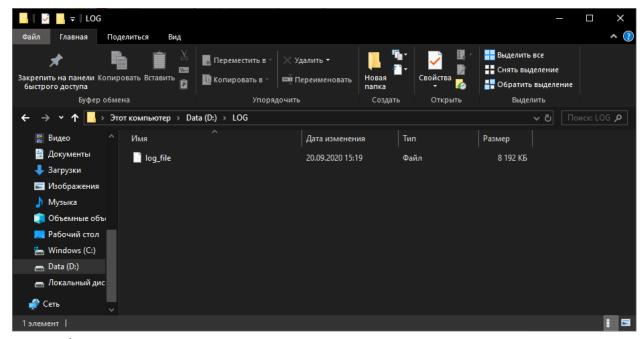
Create new database and putting log file into another path (the same problem like in the 1st task)

In "Options" compatibility level is default SQL Server 2017 and changing "Restrict Access" to "SINGLE_USER".



After executing:

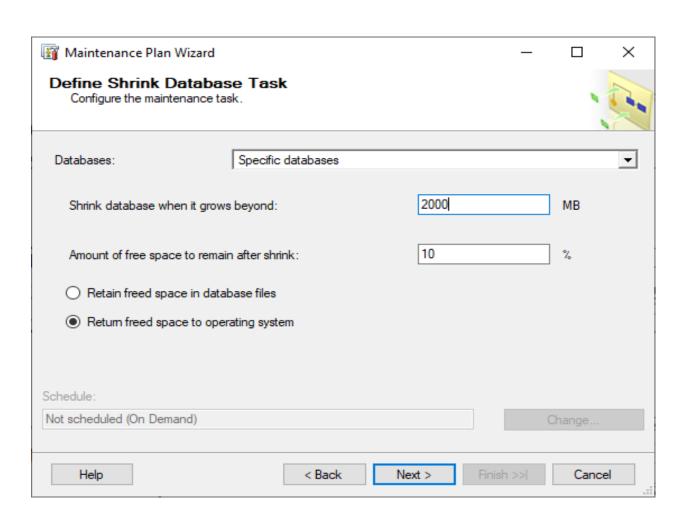


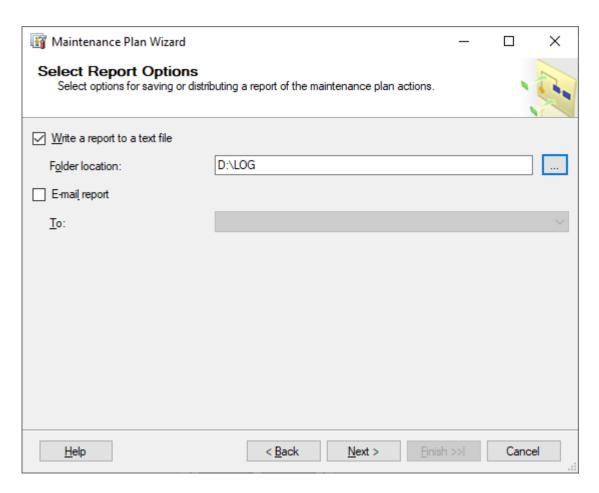


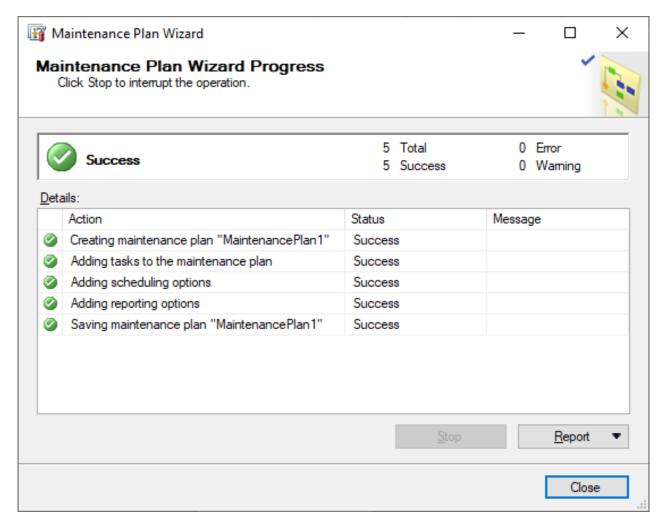
The 3rd Task:

Creating new Maintenance Plan

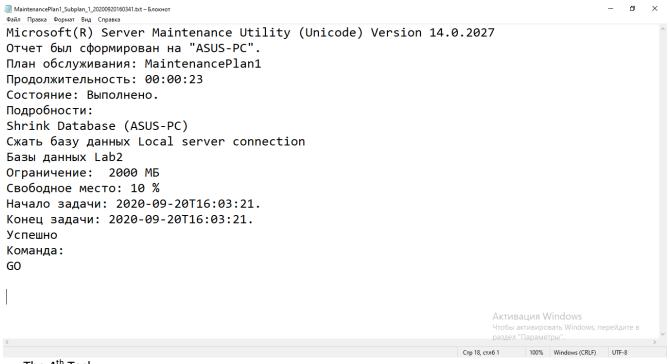
III New Job Schedule		_		×
<u>N</u> ame:	MaintenancePlan1	<u>J</u> obs in So		
Schedule type:	Recurring	✓ Enabled		
One-time occurrence				
<u>D</u> ate:	20.09.2020 V Time: 15:25:34			
Frequency				-
Occurs:	Weekly			
Recurs every:	1 week(s) on			
	<u>M</u> onday <u>W</u> ednesday <u>✓</u> <u>Friday</u>	Saturday	!	
	☐ <u>Tuesday</u> ☐ T <u>h</u> ursday	S <u>u</u> nday		
Daily frequency				-
Occurs once <u>at</u> :	0:00:00			
Occurs every:	1 hour(s) Starting at: 0:00:00	A V		
	Ending at: 23:59:59	A .		
Duration —				-
Start <u>d</u> ate:	20.09.2020	2020 🖳 🔻		
	No end date:			
Summary —				_
Descri <u>p</u> tion:	Occurs every week on Friday at 0:00:00. Schedule will be used starting	g on 20.09.2020.	(
	ОК	Cancel	Help	





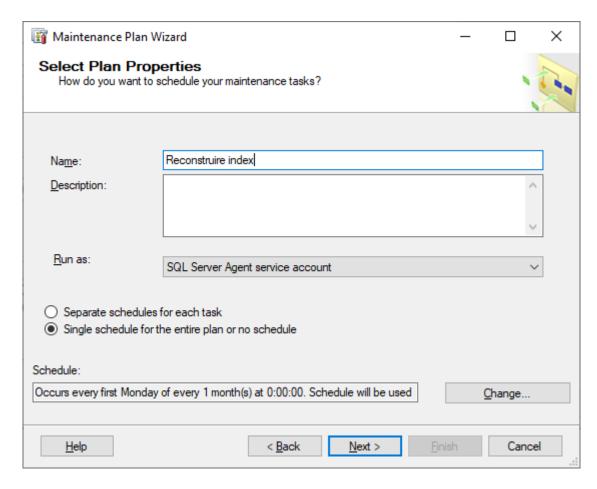


So the result is:



The 4th Task:

Creating Maintenance Plan, giving its name and schedule.



Some tasks:

