Politechnika Warszawska Wydział Elektryczny Kierunek Informatyka

# Sprawozdanie z zajęć Laboratoryjnych numer 9-10

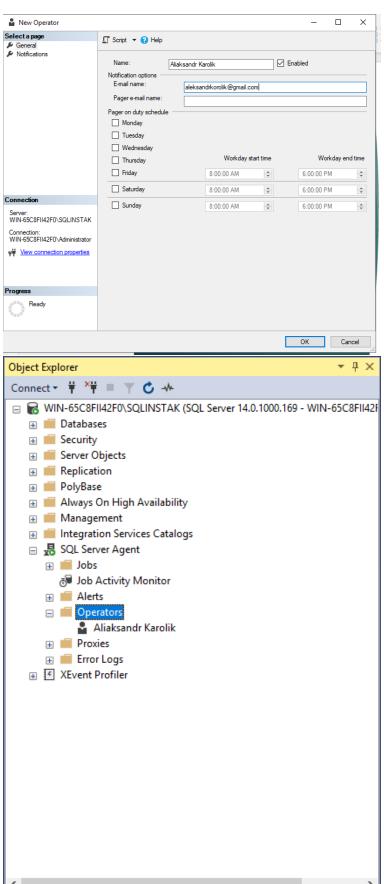
Wykonał: Aliaksandr Karolik

Warszawa, 25.12.2019

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## 1 Praca na zajęciach



Strona 3 z 17

```
eate procedure dbo.asp_reindex @database SYSNAME, @fragpercent INT
       as
declare @cmd NVARCHAR(MAX),
@table SYSNAME,
@schema SYSNAME
       declare curtable CURSOR for select DISTINCT OBJECT_SCHEMA_NAME(object_id,database_id) SchemaName, OBJECT_NAME(object_id,database_id) TableName FROM sys.dm_db_index_physical_stats(OB_ID(@database),NULL,NULL,NULL,NULL,'SAMPLED') where avg_fragmentation_in_percent>=@fragpercent for read only open curtable
              etch curtable INTO @schema,@table
HILE @@FETCH_STATUS=0
          SET @cmd='ALTER INDEX ALL ON'+@database + '.' +@schema+'.'+@table
Completion time: 2019-12-12T05:51:32.2627458-08:00
                        as
declare @cmd NVARCHAR(MAX),
@table SYSNAME,
@schema SYSNAME
                       declare curtable CURSOR for select DISTINCT OBJECT_SCHEMA_NAME(object_id,database_id) SchemaName, OBJECT_NAME(object_id,database_id) TableName
FROM sys.dm_db_index_physical_stats(OB_ID(@database),NULL,NULL,NULL,SAMPLED') where avg_fragmentation_in_percent>@fragpercent for read only open curtable iNITO @schema,@table
MHILE @GETCH_STATUS-0
BBGIN
BB
                           BEGIN
SET @cmd='ALTER INDEX ALL ON'+@database + '.' +@schema+'.'+@table
+*REBUILD WITH (ONLINE=ON)'
                             EGIN TRY

XEC sp_executesql @cmd
                       EARL Sp_executesq1 @cmd

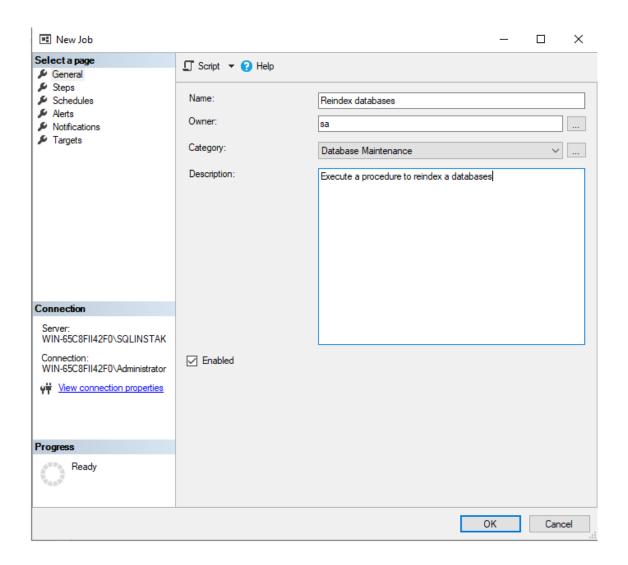
BEGIN CATCH

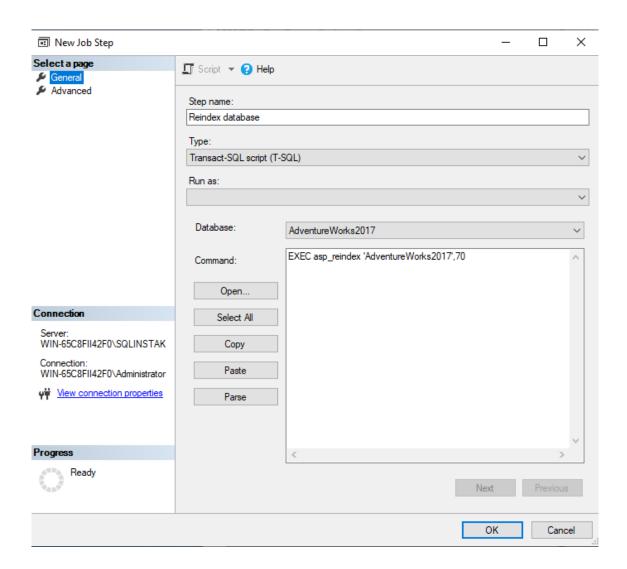
BEGIN CATCH

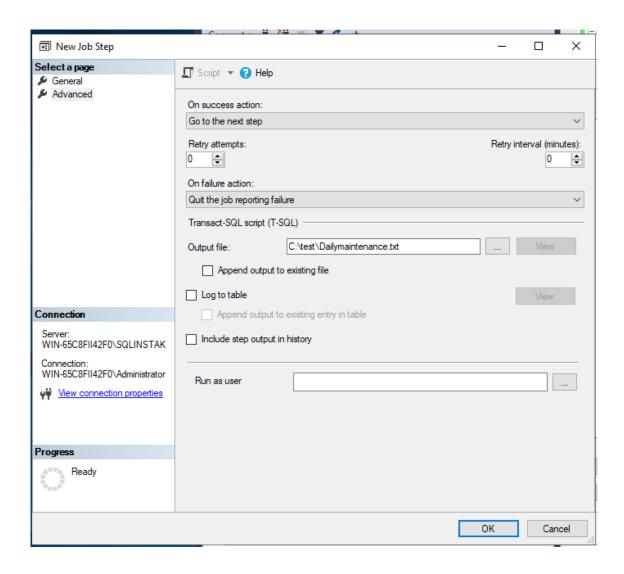
BEGIN SET @cmd='ALTER INDEX ALL ON' +@database+'.'+@schema+'.'

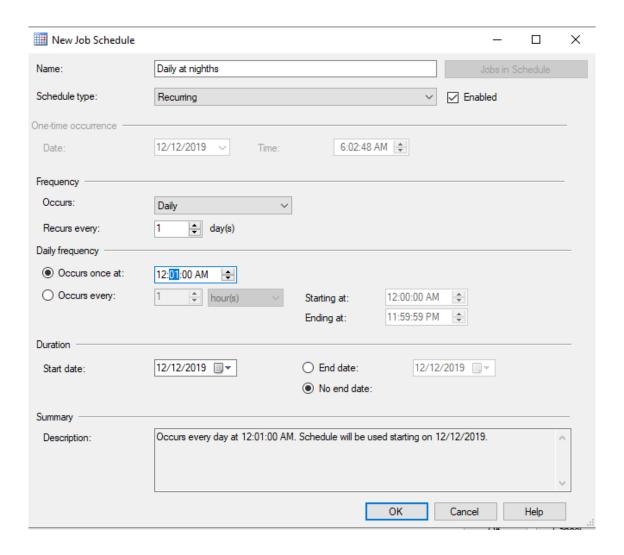
+ @table + 'REBUILD WITH (ONLINE=OFF)'

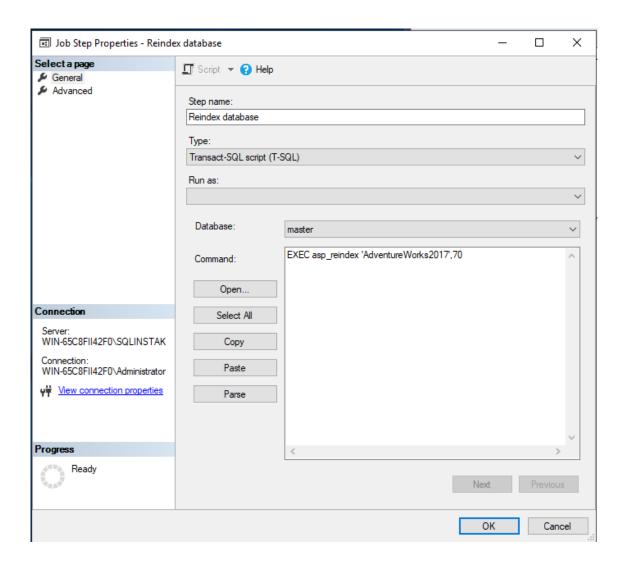
EXEC sp_executesq1 @cmd
     ∰ Messages
                Commands completed successfully.
               Completion time: 2019-12-12T05:51:32.2627458-08:00
                                                                                                                                                                                                                                                                                                                                                                                            WIN-65C8FII42F0\SQLINSTAK (... | WIN-65C8FII42F0\Admini... | AdventureWorks2017 | 00:00:00 | 0 rows
```

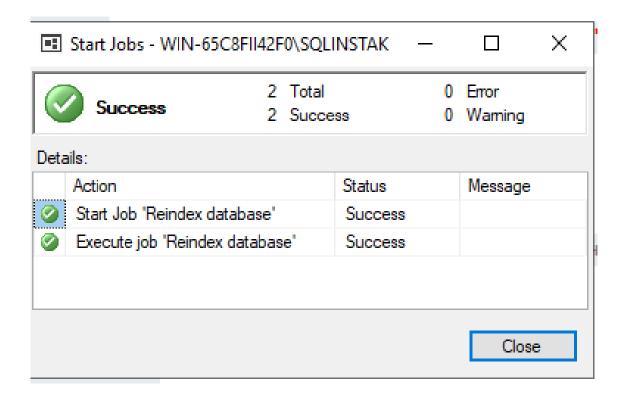


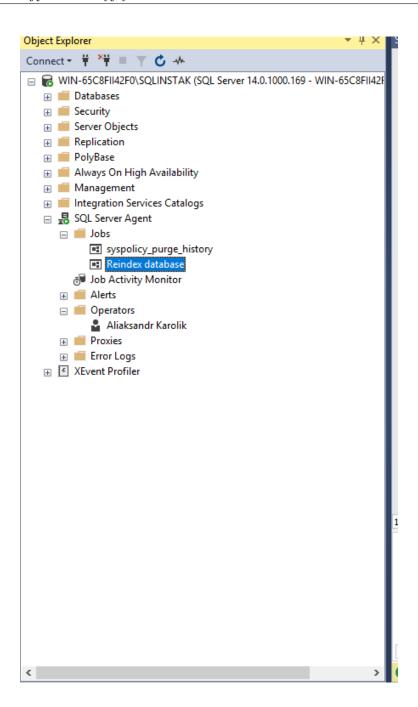




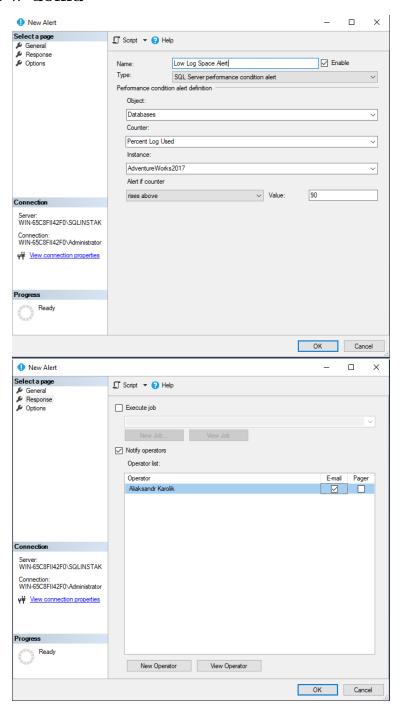


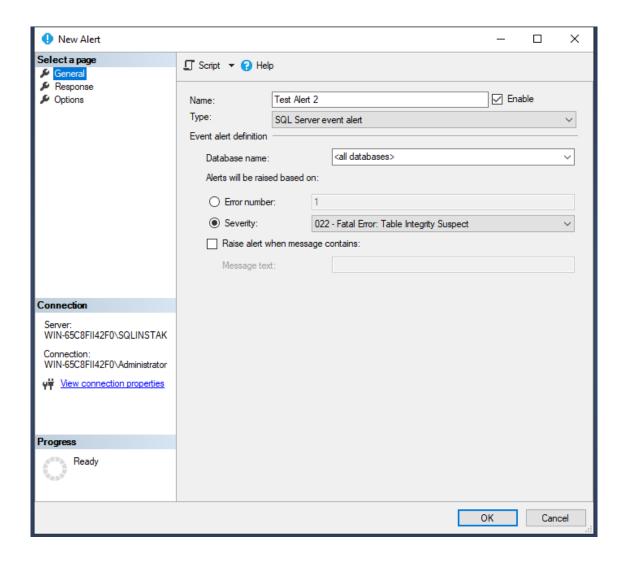


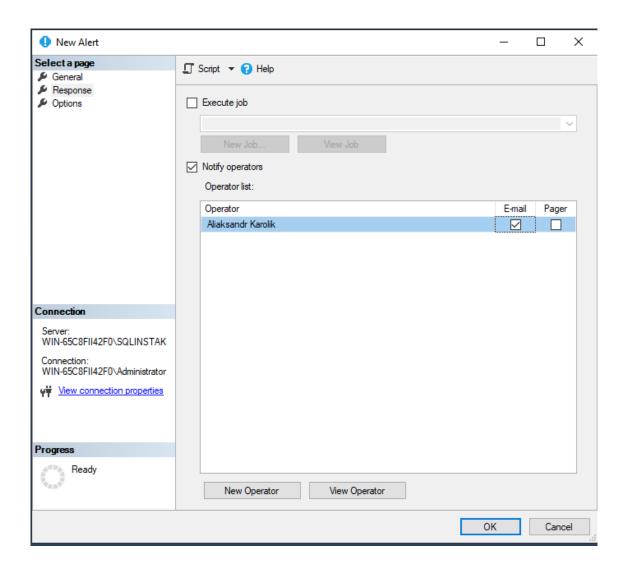


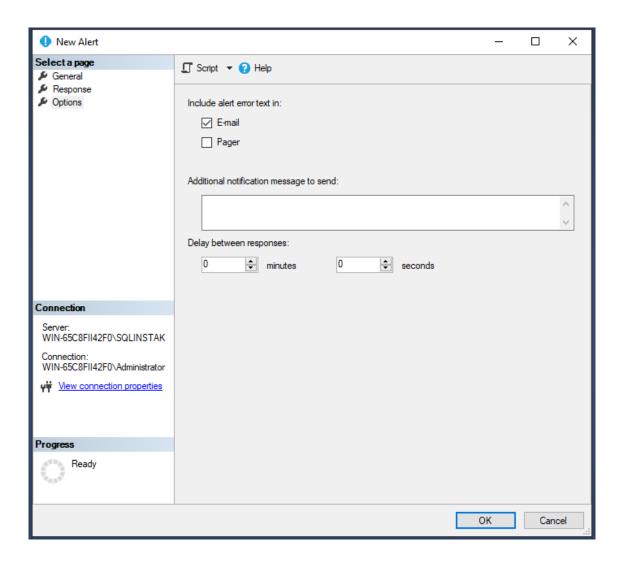


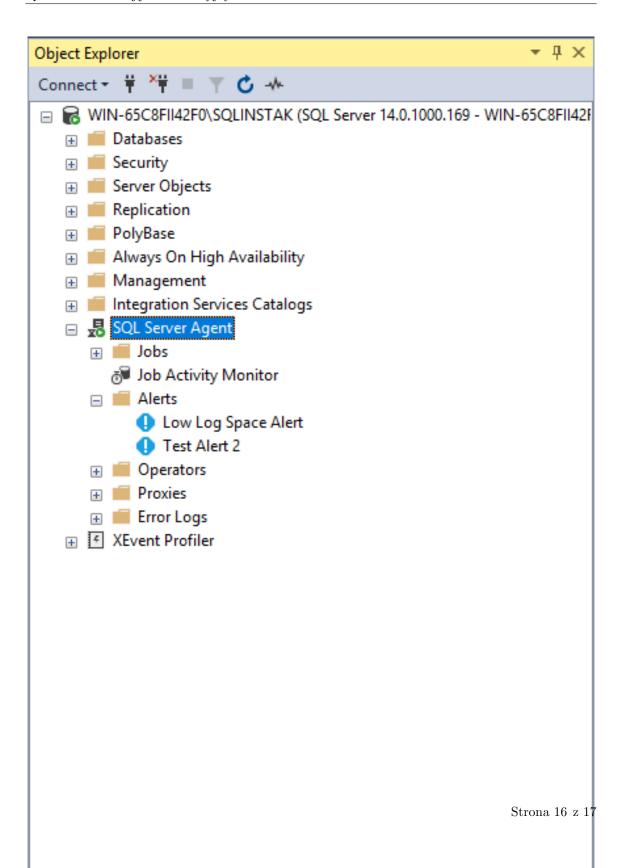
#### 2 Praca w domu











### 3 Odpowiedzi na pytania

If a job fails, where can you look to diagnose the problem?

- 1. Job history
- 2. Logging files
- 3. Microsoft Windows event logs

What types of job steps can be executed?

- 1. T-SQL
- 2. ActiveX scripts
- 3. Operating system commands
- 4. Executable files

Where would you look to retrieve a list of jobs that have failed?

Odpowiedź: B

What are the three types of alerts that can be created?

- 1. Performance counters
- 2. SQL server errors
- 3. WMI queries

What are the two response actions that can be configured for an alert?

- 1. Send a notification
- 2. Execute a job in response to the alert condition

Your Orders database crashed last night, and you have determined that the crash was caused by a data file running out of space. What tool do you use to send a notification to an administrator as well as expand the data file before it runs out of space?

Odpowiedź: A