**ALERTS**

AUTOMATED NOTIFICATIONS FROM SQL SERVER IN RESPONSE TO GIVEN SET OF OPERATIONS / EVENTS

**EXAMPLE**: CONFGURE ALERT TO SEND AN EMAIL WHEN DATABASE IS DOWN

**EXAMPLE**: CONFGURE ALERT TO SEND AN EMAIL WHEN DATABASE LOG SPACE IS ALMOST FULL

**PRE-REQUISITE**: ALERTS ARE CONFIGURED, EXECUTED FROM MSDB. USING SQL SERVER AGENT SERVICE.

SO ENSURE:

1. MSDB IS HEALTHY

2. SQL SERVER AGENT SERVICE SHOULD BE RUNNING

3. CONFIGURE DATABASE MAIL AND GET RELEVANT OPERATORS

**ALERTS FOR COMMON ISSUES:**

**1. DATABASE DOWN ISSUE** : ALLOCATION & CONSISTENCY ERRORS

**HOW TO CONFIGURE ALERT?**

LAUNCH SSMS > SQL SERVER > RIGHT CLICK AGENT > NEW ALERT

GENERAL PAGE : ALERT NAME, SEVERITY = 023 [DATABASE INTEGRITY SUSPECT]

RESPONSE PAGE: SELECT EMAIL OPERATOR

OPTIONS PAGE : DEFINE SCEHDULE, SET A TEXT IN EMAIL

**2. DATABASE LOG SPACE ISSUE** : OPEN TRANSACTIONS, BULK OPERATIONS

**HOW TO CONFIGURE ALERT?**

LAUNCH SSMS > SQL SERVER > RIGHT CLICK AGENT > NEW ALERT

GENERAL PAGE : ALERT NAME, PERFORMANCE CONDITION ALERT

OBJECT : DATABASES

COUNTER: PERCENT LOG USED

INSTANCE: \_TOTAL

ALERT : RISES ABOVE 80%

RESPONSE PAGE: SELECT REQUIRED OPERATOR

OPTIONS PAGE : DEFINE SCEHDULE, SET A TEXT IN EMAIL

**3. TEMP DB SPACE ISSUE** : INDEX CREATIONS, TEMP TABLES, DBCC COMMANDS

**HOW TO CONFIGURE ALERT?**

LAUNCH SSMS > SQL SERVER > RIGHT CLICK AGENT > NEW ALERT

GENERAL PAGE : ALERT NAME, PERFORMANCE CONDITION ALERT

OBJECT : TRANSACTIONS

COUNTER: FREE SPACE IN TEMPDB

INSTANCE:

ALERT : RISES ABOVE m KB

RESPONSE PAGE: SELECT REQUIRED OPERATOR

OPTIONS PAGE : DEFINE SCEHDULE, SET A TEXT IN EMAIL

**4. MEMORY SPACE ISSUE?:** INDEX CREATIONS, LONG RUNNING QUERIES, VARIABLES, CTEs

HOW TO CONFIGURE ALERT?

LAUNCH SSMS > SQL SERVER > RIGHT CLICK AGENT > NEW ALERT

GENERAL PAGE : ALERT NAME, PERFORMANCE CONDITION ALERT

OBJECT : MEMORY MANAGER

COUNTER: Total Server Memory (KB)

ALERT : RISES ABOVE n KB

RESPONSE PAGE: SELECT REQUIRED OPERATOR