**AutoMon Configure**

Download it from GitHub

It is a centralized monitoring solution and alert triggering by using database mail. This needs two databases to be created called DBAData and DBAData\_Archive, the current data will be stored in DBAData and the archive will be stored in Archive database. The monitoring works based on the master table data DBA\_All\_servers and SVR\_status column should be ‘running’.

I suggest to have a dedicated VM or Instance to have this databases, so that it is easy to have firewall opened to DMZ or different subnet servers from one source. I have started using this from 2008, when we have no tool to invest cost and even some places, we will have limited licence and those will monitor only important servers.

**Setup scripts to be created to activate:**

Enable the database email and create a profile.

We need to edit each script of @PROFILE\_NAME='muthu' and SELECT @EMAILIDS1= 'dbateam@xxx.com'. Also, DBA\_ALL\_OPERATORS table will have email recipient details, you can add your email into the table.

* Open CMS.SQL – Register the servers. Collect data by register server and copy it into excel and load into a table by creating database called DBAData and table tbl\_SQL\_AutoMON, It is easy one (OR) add one by one manually. Or create a table and load using “BULK INSERT tbl\_SQL\_AutoMON” from notepad.
* Remove first column from the registered server results since server name will get auto generated
* Open Test\_setup.SQL and create tables and load data if it is not loaded already from excel.
* Update the SQL versions.
* Update the SQL category - Prod, UAT,DEV etc. Update any other details here like IP, HA, Domain, location etc.
* Create main table DBA\_All\_servers, tbl\_Error\_handling and DBA\_ALL\_OPERATORS and add operators as well who wants to get an email alert.
* Open Add\_server\_SQL\_sever.sql and create stored procedure. In that SP P\_DESC column is the actual SQL server name and P\_SERVER column is Linked server name. Go to the bottom of the SP and copy the custom script and make changes and execute the SP to generate infly qurry to add the servers.
* Make sure you are passing the SQL version as SQL2022 - without any space or special character.
* Keep this column updated

SELECT SERVERNAME as[Linked\_ServerName],[DESCRIPTION] as [Server\_Name],HA,Category, version,login\_mode FROM DBADATA.DBO.DBA\_ALL\_SERVERS

* Create a SP **Add\_server\_SQL\_sever** if you are using non SQL source with your linked server desired name you can use **Add\_server\_Other\_source**
* Run this SP will 1) create linked server 2) two objects in target server in master database TEMPSPACE & USP\_TEMPSPACE\_POP 3) This also adds server into main monitoring table - **DBA\_All\_servers.**
* Use the custom script to add all servers in one go.
* After adding the server using custom script - we have to run the match\_load.sql file this will match all null values to correct value y joining two tables.

From here you can create SP one by one which are needed for your environment. Ex Drive check, AG check etc.

* Example create “Drive\_space\_plain” SP change profile to yours ex: the @PROFILE\_NAME='muthu' is used in the script.
* Run in registered server and capture the results of “exec master..sp\_configure 'Ole Automation Procedures'” In case if your system OLE is enabled and not to disable in the future, then change the code of SP “Drive\_space\_with\_percentage” since this SP will enable and disable this setting.
* Create the SQL agent jobs with aligning SPs as per your requirement, you can schedule it. Refer Job\_creation\_DBA\_automon\_SP.SQL file.

**For adding new server after AutoMon configuration:**

* First run “CMS.sql” in the new target server and collect the data.
* Run the “Add\_Or\_Drop\_server\_Input\_new\_server\_Target\_servers\_1.SQL”in new target server and collect data and copy paste to excel. Make sure to change necessary details.
* Run the add server SP into our monitoring.
* Drop or truncate the tbl\_SQL\_Automon table and load the new value for the new servers and run the match\_load.sql file this will match all null values to correct value.