

START SQL SERVER AGENT IN MANAGEMENT STUDIO.

WE WILL DISCUSS ABOUT JOBS, ALERTS, OPERATORS, PROXIES, ERROR LOGS, MAINTENANCE, DATABASE MAIL

--DON'T RUN CHECKDB DAULY. PERFORMANCE ISSUE

BEFORE AUTOMATION WE NEED TO TALK ABOUT MSDB AS MSDB COTAINS AUTOMATION INFORAMTION.

GOTO SYSTEM TABELS MSDB WE CAN SEE THE TABLE WHICH WILL STORE AUTOMATION INFO.

LOGSHIPPING, SMART BACKUP, JOBS, DB MAIL INFO, POLICY BASED MANSGEMENT, SSIS, SESSION, SCHEDULE INFO , UCP(UTILITY COTROL POINT—2008 FEATURE) , MSDB SECURITY, WE HAVE 27 DATABASE ROLES FOR MSDB. GO TO VIEWS MENU IN SSMS IN THE OBJECT EXPLORER WE CAN CHECK HOW MANY DB ROLES ARE THERE IN MSDB.

CREATING NEW JOB

WE CAN SEE A DEFAULT JOB. WILL DISCUSS LATER.

RIGHT CLICK, NEW JOB, NAME OF THE JOB-UNCATEGORIZED (LOCAL)

GO TO STEPS PAGE

STEP IS A COLLECTION OF STEPS.

AT BELOW WE CAN SEE NEW – CLICK ON IT , GIVE STEP NAME , TYPE OF THE STPE U WANT TO EXECUTE. SELECT TRANSCT SQL SCRIPT. – NEXT OPTION RUN AS – IF U DON'T MENTION ANYTHIS AGENT WILL RUN THIS JOB. IF WE DON'T WANT TO RUN THIS STEP FOR AGENT, WE CAN CREATE PROXIE AND PROXIE WILL RUN THE JOB.

WRITE THE JOB COMMAND, HERE I AM GOINT TAKE BACKUP, SO WRITE BACKUP COMMAND IN THE COMMAND OPEION, THEN WE CAN PARSR THE COMMAND.

THEN GO TO ADVANCED PAGE,

ON SUCCESS ACTION SELECT QUIT THE JOB REPORTING SUCCESS. IF WE HAVE ONLY ONE COMMAND. RETRY ATTEMPTS. IF THE QUERY FAILED IT WILL RETRY THAT MANY TIMES .

OUTPUT FILE – GIVE THE PATH WHERE OUR OUT PUT FILE STORES. WE CAN APPEND TO THE OUTPUT FILE.

WE CAN STORE THE OUTPUT TO THE TABLE. (NOT RECOMMENDED)

INCLUDE STEP OUTPUT IN HISTORY—IT WILL TELL STPE BY STEP PROCESS. SELECT IS RECOMM.

IN THIS WE CAN WE CAN CREATE MULTIPLE STEPS.

NEXT SCHEDULE PAGE.

NAME OF THE SCHEDULE.

SCHEDULE TYPE – START WHENEVER CPU BECOMES IDLE. IT WILL CHECK WHEN THE SQL IS IDLE.

NORMALLY SQL WILL NEVER GOES INTO IDLE, SO BE CAREFULL WITH THIS OPTIO,

ENABLE SCHEDULE.

OCCOURS EVERY . U CAN GIVE THE TIME U WANT. MAX LIMIT IS 100 MINS. IF WE WANT TO CHANGE THIS MAX LIMIT SCRIPT IT AND CHANGE THE TIME IS THE SCRIPT. ONCE WE SCRIPTED TIME IN CUI WE CANT CHANGE IN GUI MODE.

GO TO NOTIFICATIONS PAGE

IT WILL NOTIFY TO OPERATOR. WE CAN NOTIFY TO GROUP ALSO. WE CAN SEND EMAIL, OR WRITE TO

APPLICATION LOG, OR WE CAN NOTIFY TO PAGE(MEANS PAGER), NET SEND(A MSG POPS TO THE RESPECTIVE PERSON)

IF WE WANT SEND SMS NOTIFICATION WE CAN SET IT, BUT A PAID SERVICE WITH NETWORK.

AUTOMATICALLY DELETE JOB WE CAN PUT THREE OPTIONS.

TARGETS PAGE

TARGET LOCAL SERVER , WE CAN CREATE ONE JOB FOR ALL THE SERVERS. TARGET LOCAL SERVER MEANS IT WILL RUN IN THE LOCAL MACHINE.

THEN PRESS OK, ON THE JOB R.CLICK WE CAN SEE START JOB, STOP JOB LIKE THIS SO MANY OPTIONS.

--putting the current login as job owner, if that person leaves the company it will be typical to run that job, so best practice is put sa as the job owner.

--If we rename sa will the job run

--agent can create job, and elevate it to main account, agent will never run the job, main service account will run the job.

--job owner, sysadmin, dbowner of msdb database, operator in msdb can only run the job.

DATABASE MAIL

IN MANAGEMENT WE CAN SEE DATABASE MAIL, USED TO SEND EMAILS OF THE JOB.

HOW TO CONFIGURE DB MAIL.

AS WE DON'T HAVE MAIL SERVER WE WILL USE GMAIL.COM

GO TO DATABASE MAIL, R.CLICK—CONFIGURING DATABASE MAIL—SETUP DATABASE MAIL BY PERFORMING FOLLOWING STEPS.

FIRST ENABLE DATABASE MAIL, AS IT IS A INSTANCE LEVEL SETTING WE CAN USE SP\_CONFIGURE. OR THIS WINDOW WILL ENABLE DATABASE MAIL.

CREATE A PROFILE, PROFILE NAME(PROFILE MEANS COLLECTION OF MAILS), ADD ACCOUNT, ACCOUNT NAME, EMAIL ADDRESS, DISPLAY, SERVER NAME : SMTP.GMAIL.COM, PORTNUMBER:587, CLICK SSL, BASIC AUTHENTICATION SERVERNAME : EMAIL ACCOUNT AND MAIL ACCOUNT PASSWORD.

--DON'T TALK THIS GMAIL PORT NUMBER IN THE INTERVIEW, TELL THE PORT NO. 25 AS 25 IS A MICROSOFT LIVE ACCOUNT

GO TO GMAIL GO TO SETTINGS—FORWARDING POP ENABLED, MAKE SURE U ENABLED POP. ENABLE IMAP ALSO.

GOTO NEXT IN THE ACCOUNT PAGE, MANAGE PROFILE SECURITY, WE CAN SEE 2 PROFILES, PUBLIC PROFILES(EVERYBODY WILL USE), PRIVATE PROFILE ONLY THAT PARTICULAR LOGIN CAN USE THOSE MAIL.

MOSTLY WILL USE PUBLIC PROFILE.

PARAMETERS OF MAIL , MAX FILE SIZE AS AN ATTACHMENT IS 1MB—NOTHING TO CHANGE IN THIS PAGE, NEXT , FINISH. OK

U CAN SEND A TEST MAIL. IT WILL SHOW NO. OF MAIL

IF WE DID NOT GET ANY MAIL FROM SQL SERVER, ONE MAIL WILL COME FROM GOOGLE IN THAT WE CAN SEE ALLOW ACCESS. TURN ON FOR LESS SECURE APPS.

TROUBLE SHOOT, VIEW DATABASE MAIL LOG BY RIGHT CLICK ON THE DATABASE MAIL.

IF MAIL DID NOT COME STILL. GOTO AGENT PROPERTIES —GO TO ALERT SYSTEM — ENABLE MAIL

PROFILE THEN ONLY WE CAN SEND THE EMAIL, AND CHECK REPLACE TOKENS .....OK

CREATE A JOB WHICH WILL TAKE BACKUP AND SEND EMAIL.

NEW JOB, COPY PASTE THE CODE FROM INERNETAND CREATE A STEP IN THE EXISTENCE JOB. OR  
CREATE A NEW JOB WITH SEND EMAIL OPTION.