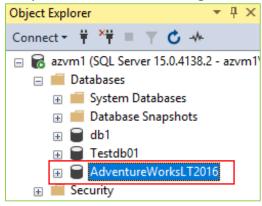
Take full, transactional, differential backup on sql server 2016 b2ms automate this backup using maintenance plan, automate full back every 1hr, transaction-5min, diff - 15 min

#### Prerequisite:

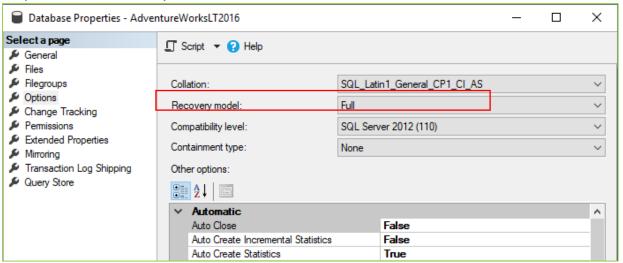
- Need a SQL-Server.
- Need a database.

#### Prerequisite settings:

step 1 select Database Right-click goto properties



step 2 select Recovery Model: Full

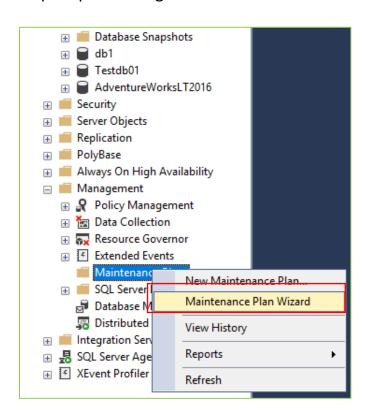


# Three types of backup steps show in below.

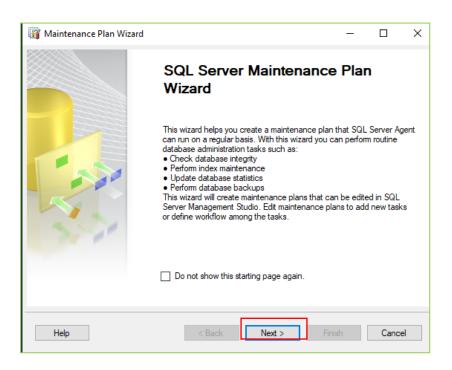
A Full Backup
B Differential Backup
C Transactional Log Backup

#### # A Full Backup

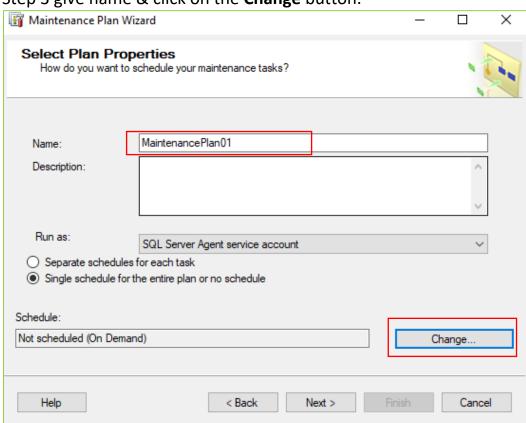
step 1 open Management folder select Maintenance Right-click



#### Step 2 Click the Next button.



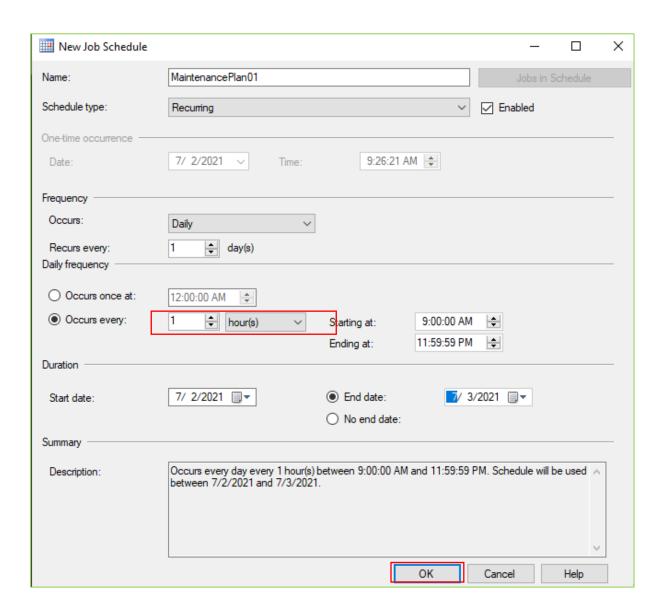
#### Step 3 give name & click on the **Change** button.



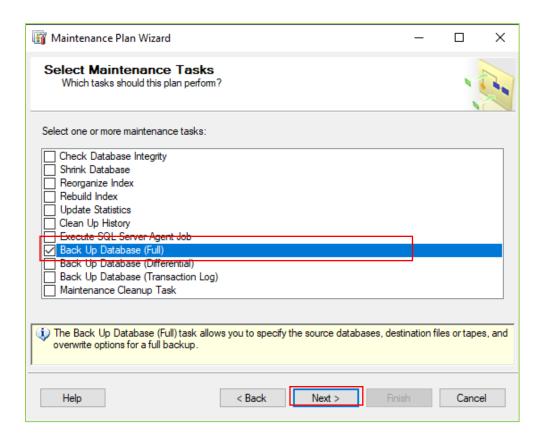
#### Step 4 Full backup schedule Config.

Occurs: Daly

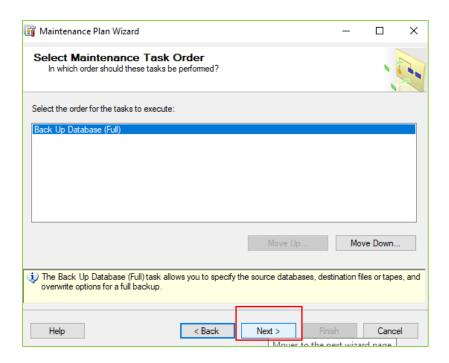
Recurs every: 1 day
Occurs every: 1 Hour(s)



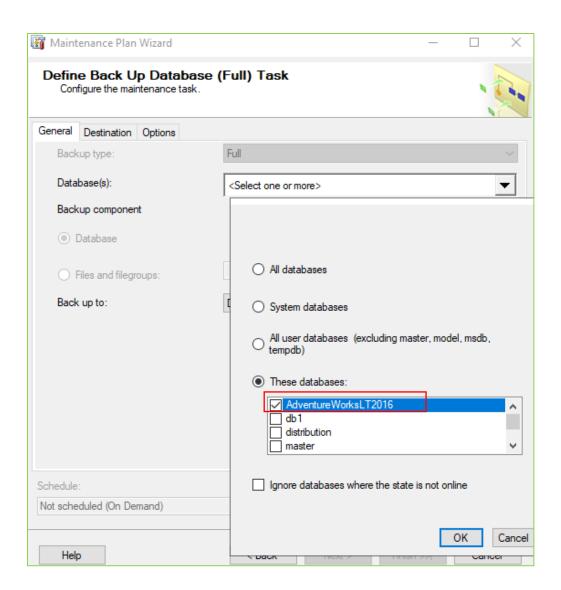
#### Step 5 select the Backup database (full) option.



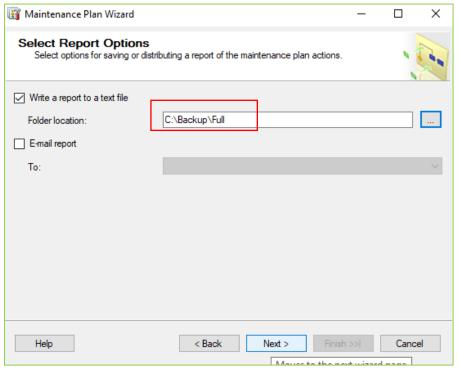
Step 6 Click the Next button.



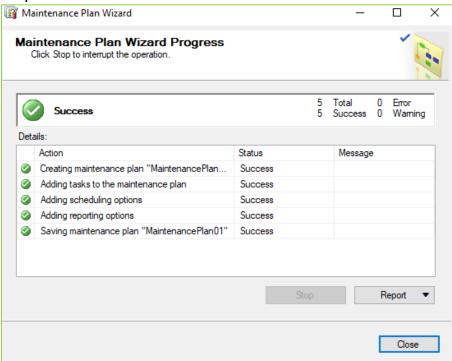
Step 7 In General wizard select Database(s): 'any db witch you want to take a backup'



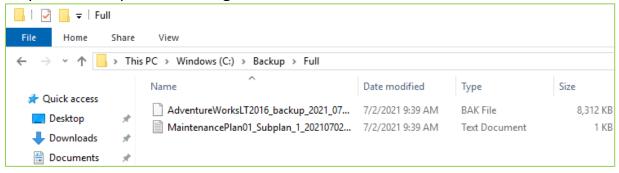
#### Step 8 Give a folder Path and click on next



#### Step 9 Click on close.

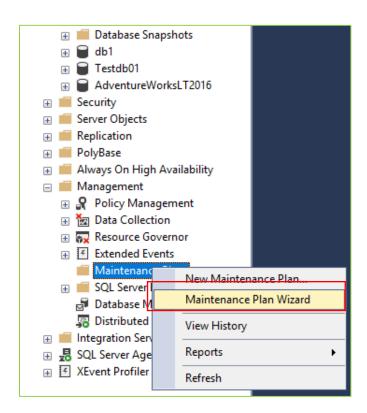


Step 10: Backup files will be generate in selected folder.

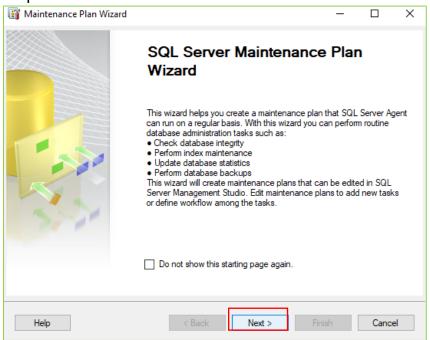


#### # B Differential Backup

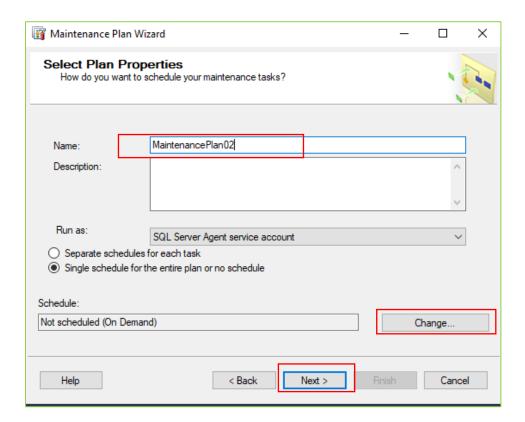
#### step 1 open Management folder select Maintenance Right-click



Step 2 Click the Next button.



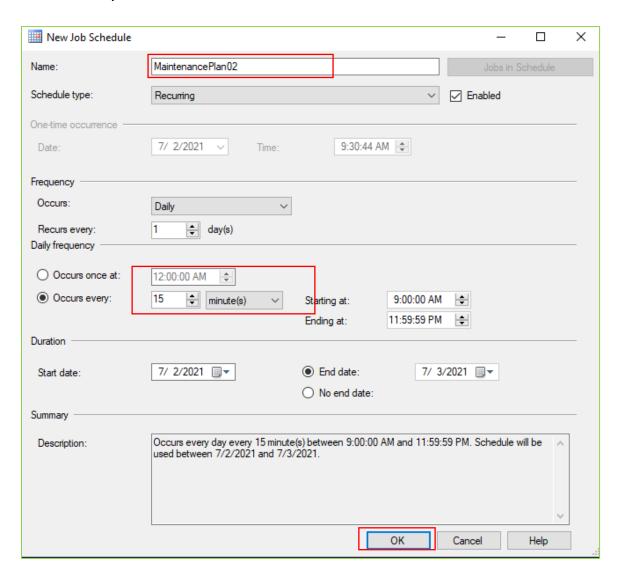
Step 3 Give name & click on the Change button.



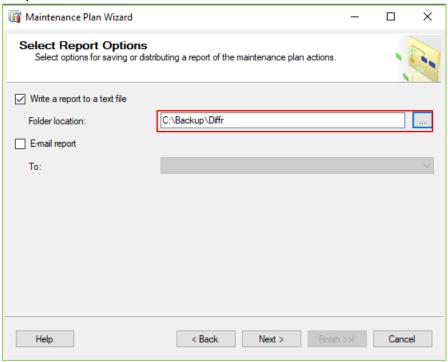
# Step 4 Full backup schedule Config. Config.

Occurs: Daly

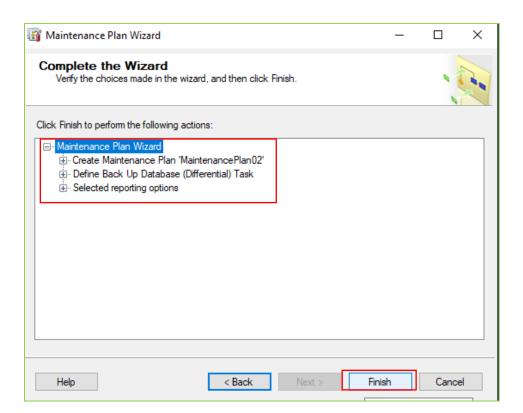
Recurs every: 1 day Occurs every: 15 Min



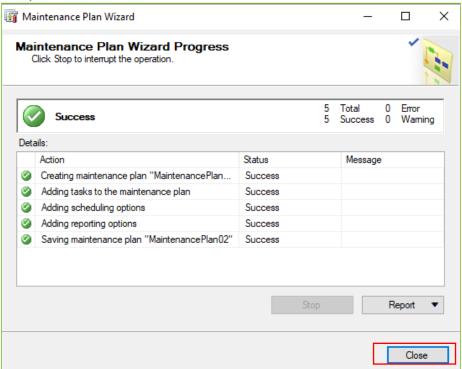
#### Step 5 Give a folder Path and click on next



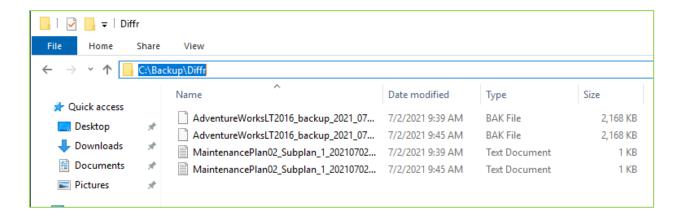
#### Step 6 Click on Finish



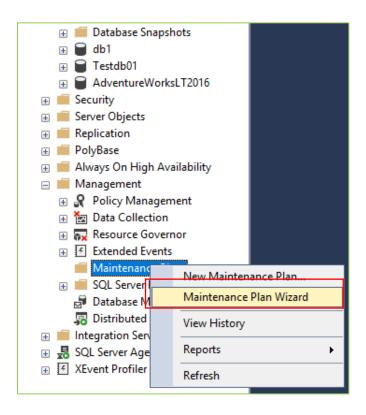
#### Step 7 Click on close.



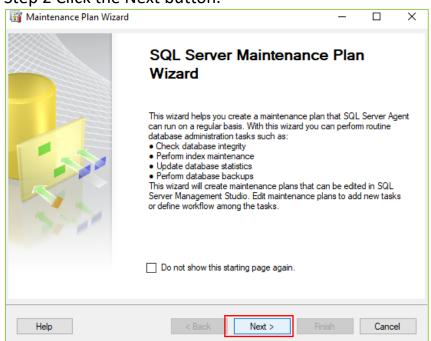
#### Step 8 Backup File Will be in selected Folder.



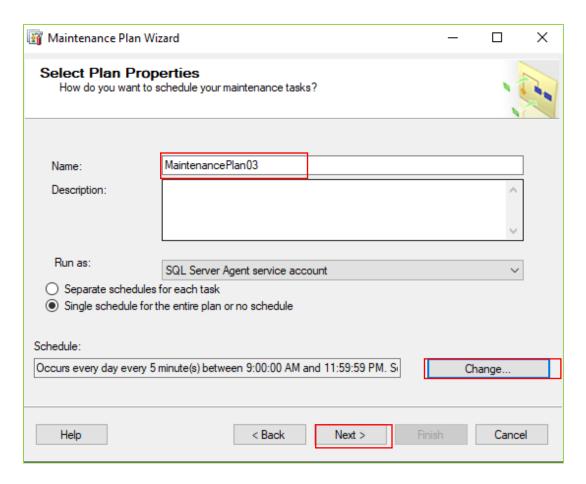
#### step 1 open Management folder select Maintenance Right-click



#### Step 2 Click the Next button.



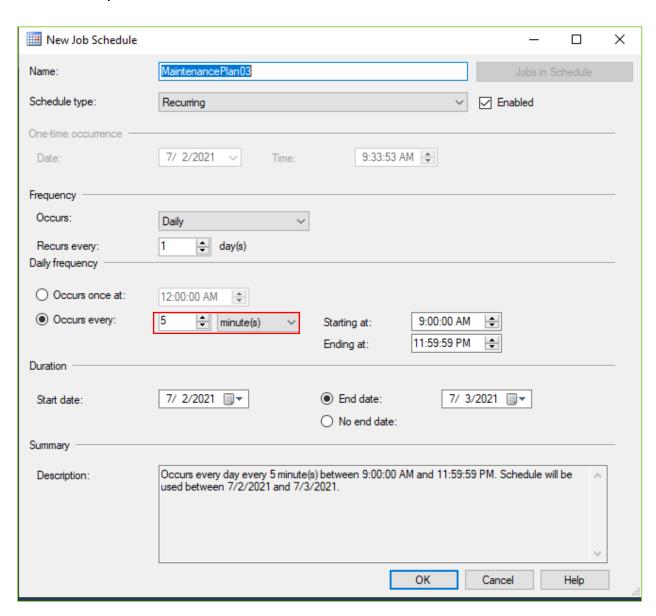
Step 3 Give name & click on the **Change** button.



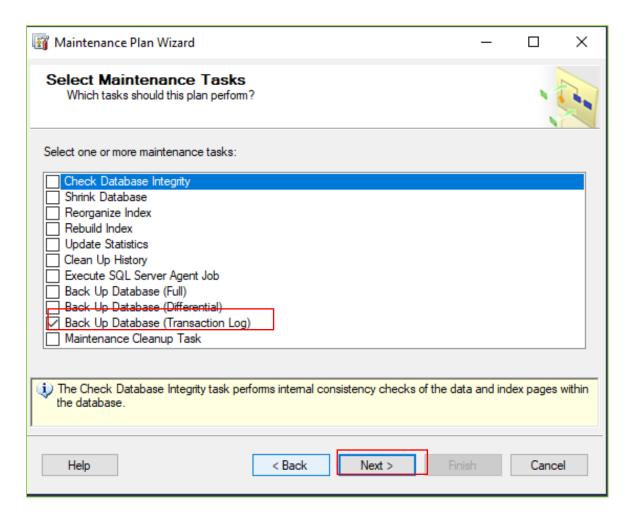
# Step 4 Trn backup schedule Config. Config.

Occurs: Daly

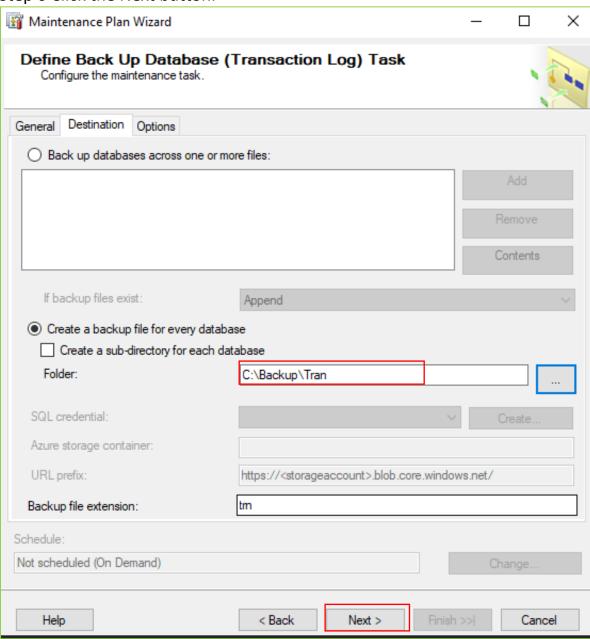
Recurs every: 1 day Occurs every: 5 Min



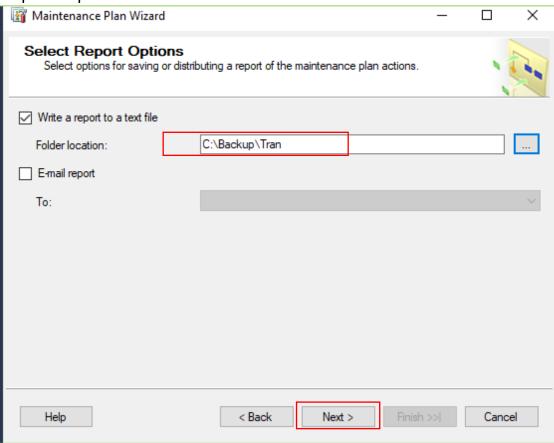
Step 5 select the Backup database (Transaction log) option.



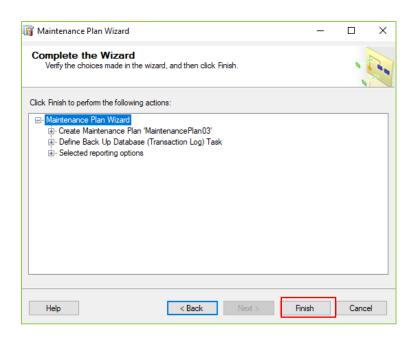
#### Step 6 Click the Next button.



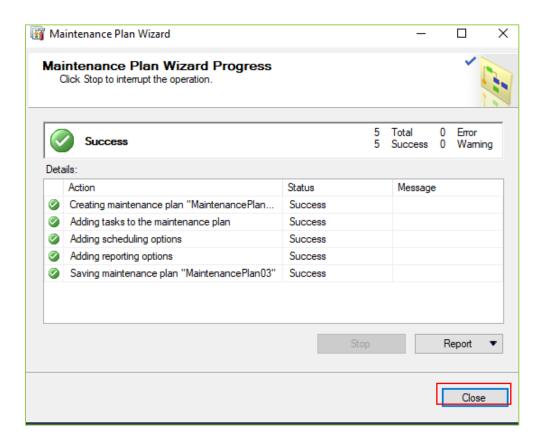
Step 7 Set path Click on next.



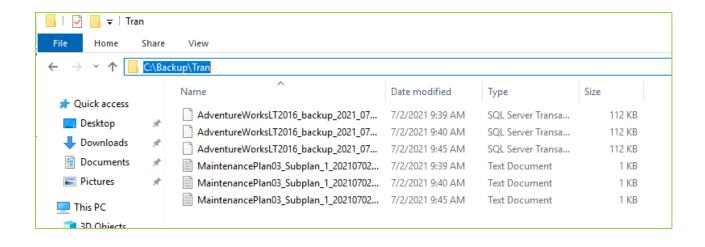
Step 8 Click the Next button.



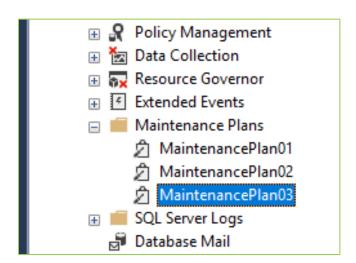
Step 9 Click the Close button.



Step 10 Backup File Will be in selected Folder.



#### All 3 Back up Plans are listed below.



### Overview of Microsoft SQL Server Backup Types

Backup Types	Description  All data files and part of the transaction log		
Full			
Differential	The parts of the database that have changed since the last ful database backup		
Partial	The primary filegroup, every read/write filegroup, and any specified read-only filegroups		
Transaction Log	Any database changes recorded in the log files		
Tail-Log Backup	Log backup taken of the tail of the log just before a restore operation		
File/File Group	Specified files or filegroups		
Copy Only	The database or log (without affecting the backup sequence)		



### Benefits and drawbacks to types of backup

TYPE	BENEFITS	DRAWBACKS
Full	= Provides full copy of data set = Offers arguably best protection	= Time-consuming = Requires lots of storage space
Incremental	= Less time and storage space than full backup	Time-consuming to restore  Need all the backups in backup chain to restore
Differential	Shorter restore time than incremental	Can grow to much bigger size than incremental
Synthetic full	= Reduced restore time = Less bandwidth usage	= Newer, so not as well-known
Incremental-forever	= Availability of data = Automated restoration process	= Newer, so not as well-known = Need all the backups in backup chain to restore

NOMES OF THE OWNER.

TECHNOLOGIAL ROPES ROSENES TREBITARY