**Maintenance Plan Tasks**

**Check Database Integrity Purpose:**

* The DBCC CHECKDB performs an internal consistency check
* very resource intensive
* perform it on a regular basis

**Shrink Database**

* Shrinking a database is a very poor practice in the SQL world. Don’t do it

**Rebuild Index**

* The Rebuild Index task physically rebuilding indexes from scratch
* This removes index fragmentation and updates statistics at the same time

**Reorganize Index**

* The Reorganize Index task helps to remove index fragmentation, but does not update index and column statistics
* If you use this option to remove index fragmentation, then you will also need to run the Update Statistics task as part of the same Maintenance Plan

**Update Statistics**

* The Update Statistics task runs the sp\_updatestats system stored procedure against the tables
* Don't run it after running the Rebuild Index task, as the Rebuild Index task performs this same task automatically

**Execute SQL Server Agent Job**

* The Execute SQL Server Agent Job task allows you to select SQL Server Agent jobs (ones you have previously created), and to execute them as part of a Maintenance Plan

**History Cleanup**

* The History Cleanup task deletes historical data from the msdb database
* backup and restore
* SQL Server Agent and Maintenance Plans

**Back Up Database (Full)**

* The Back Up Database (Full) task executes the BACKUP DATABASE statement and creates a full backup of the database

**Back Up Database (Differential)**

* The Back Up Database (Differential) task executes the BACKUP DATABASE statement using the DIFFERENTIAL option

**Backup Database (Transaction Log)**

* The Backup Database (Transaction Log) task executes the BACKUP LOG statement, and, in most cases, should be part of any Maintenance Plan that uses the Back Up Database (Full) task

**Maintenance Cleanup Task**

* Use a batch file to clean up files