

SQL Server 2000 Automatic Maintenance and Scheduled Jobs for TriTeq Database

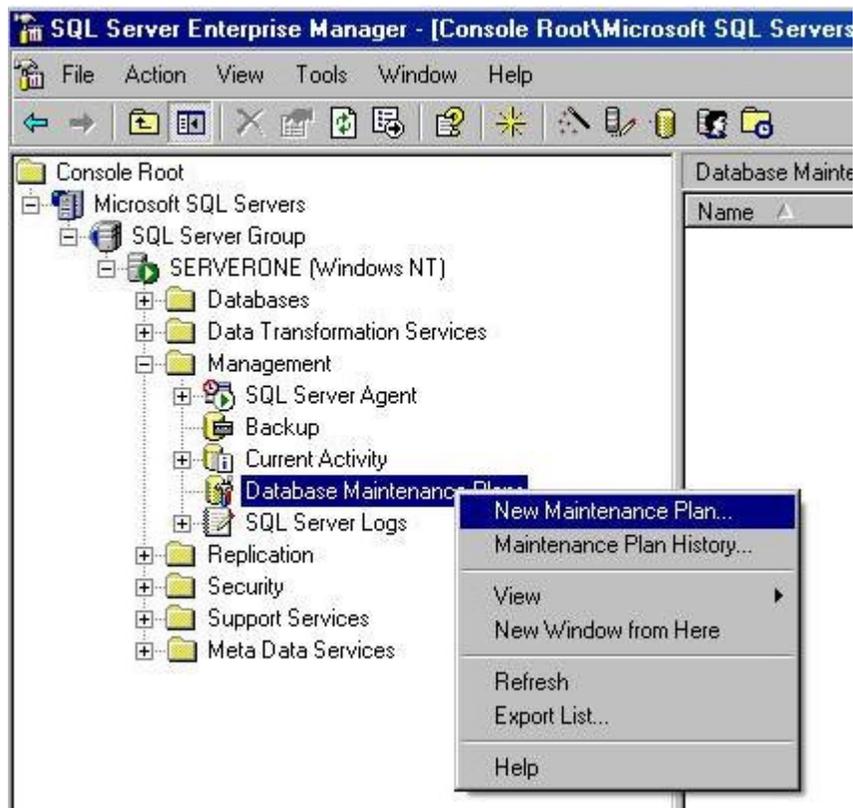
1. Purpose

Create automatic procedures that will periodically perform the following tasks:

- Shrink Database.
- Backup Database.
- Remove old events that are no longer relevant from audit and refresh key tables.

2. Maintenance plan

Start your SQL Server Manager software and expand Management folder.



Right click on *Database Maintenance Plan* and select *New Maintenance Plan*. Click *Next* on the welcome screen.

Select the database you need to define the maintenance plan.

Database Maintenance Plan Wizard - SERVERONE

Select Databases
Select the databases for which to create the maintenance plan.

All databases
 All system databases (master, model, and msdb)
 All user databases (all databases other than master, model, and msdb)
 These databases:

Database	Selected
test	<input type="checkbox"/>
TriTeqSQL	<input checked="" type="checkbox"/>
TT_HelpDesk	<input type="checkbox"/>
TTERP	<input type="checkbox"/>

< Back Next > Cancel Help

Click *Next* to go to next screen.

Select *Remove unused space from database files*. Accept default value.

Select the schedule that you will need for your shrinking database to be prior to your server backup.

Database Maintenance Plan Wizard - SERVERONE

Update Data Optimization Information
As data and index pages fill, updating requires more time. Reorganize your data and index pages to improve performance.

Reorganize data and index pages
 Reorganize pages with the original amount of free space
 Change free space per page percentage to: %

Update statistics used by query optimizer. Sample: % of the database

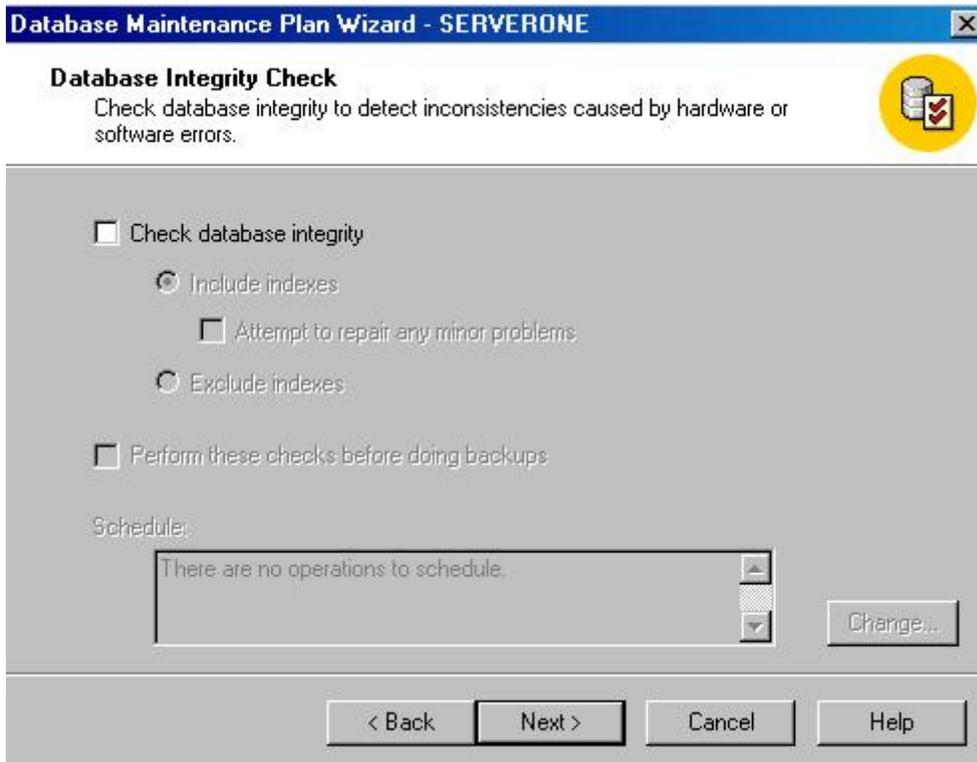
Remove unused space from database files
 When it grows beyond: MB
 Amount of free space to remain after shrink: % of the data space

Schedule:

< Back Next > Cancel Help

Click on *Next* to go to next screen.

Click *Next* on *Database Integrity Check*.



Database Maintenance Plan Wizard - SERVERONE

Database Integrity Check
Check database integrity to detect inconsistencies caused by hardware or software errors.

Check database integrity

- Include indexes
 - Attempt to repair any minor problems
- Exclude indexes

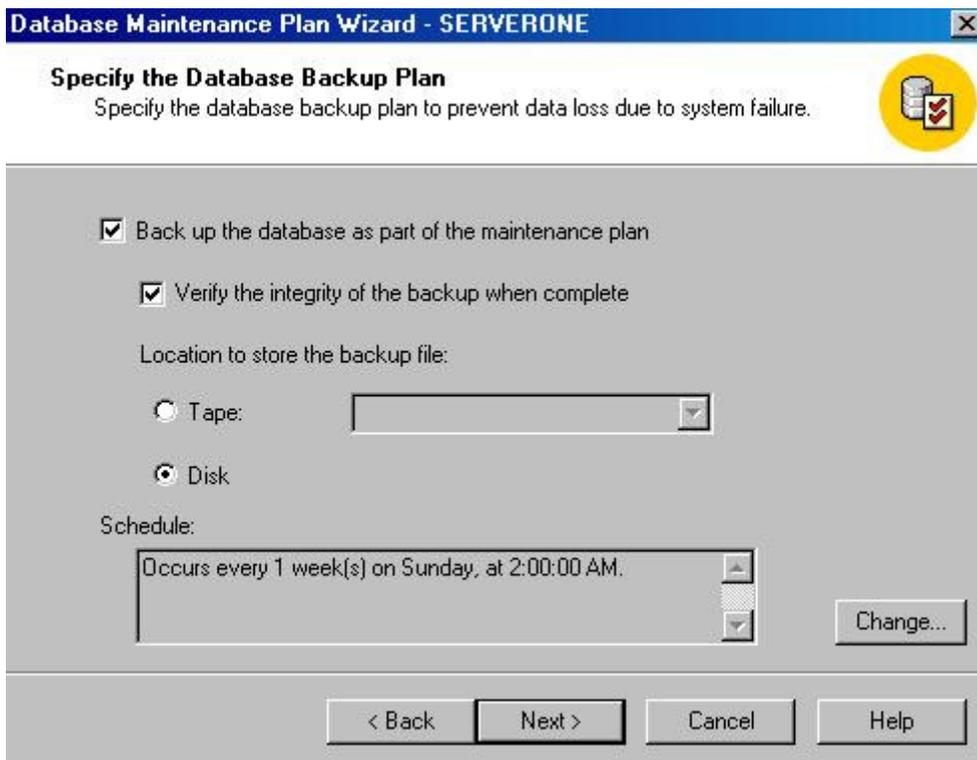
Perform these checks before doing backups

Schedule:
There are no operations to schedule.

Change...

< Back Next > Cancel Help

Select the schedule of database backup to be prior to your server backup.



Database Maintenance Plan Wizard - SERVERONE

Specify the Database Backup Plan
Specify the database backup plan to prevent data loss due to system failure.

Back up the database as part of the maintenance plan

Verify the integrity of the backup when complete

Location to store the backup file:

Tape:

Disk

Schedule:
Occurs every 1 week(s) on Sunday, at 2:00:00 AM.

Change...

< Back Next > Cancel Help

Click on *Next* to go to next screen. And click *Next* on *Database Integrity Check*.

Specify the location of your backup files and remove files that are older than 2 server backup cycles.

Database Maintenance Plan Wizard - SERVERONE

Specify Backup Disk Directory
Specify the directory in which to store the backup file.

Directory in which to store the backup file:

- Use the default backup directory
- Use this directory: ...

Create a subdirectory for each database

Remove files older than:

Backup file extension:

< Back Next > Cancel Help

Click on *Next* to go to next screen.

Click *Next* on the screen *Specify the Transaction Log Backup Plan*.

Database Maintenance Plan Wizard - SERVERONE

Specify the Transaction Log Backup Plan
Specify the transaction log backup plan to prevent failures and operator errors.

Back up the transaction log as part of the maintenance plan

Verify the integrity of the backup when complete

Location to store the backup file:

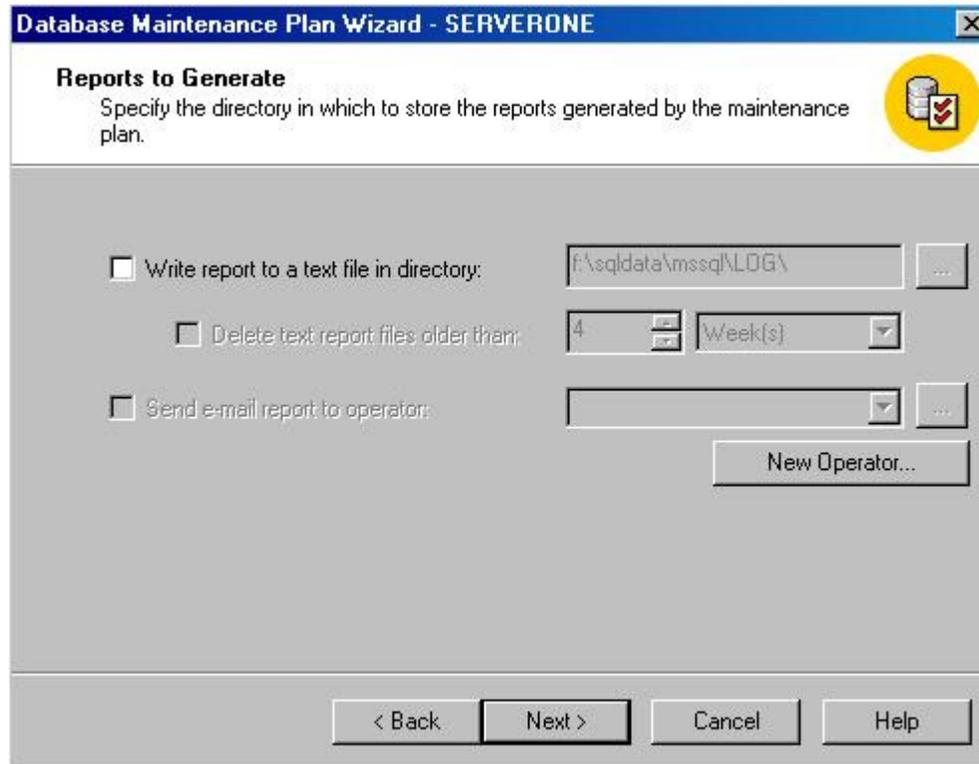
- Tape:
- Disk

Schedule:

Change...

< Back Next > Cancel Help

Click *Next* on the screen *Reports to Generate*.



Database Maintenance Plan Wizard - SERVERONE

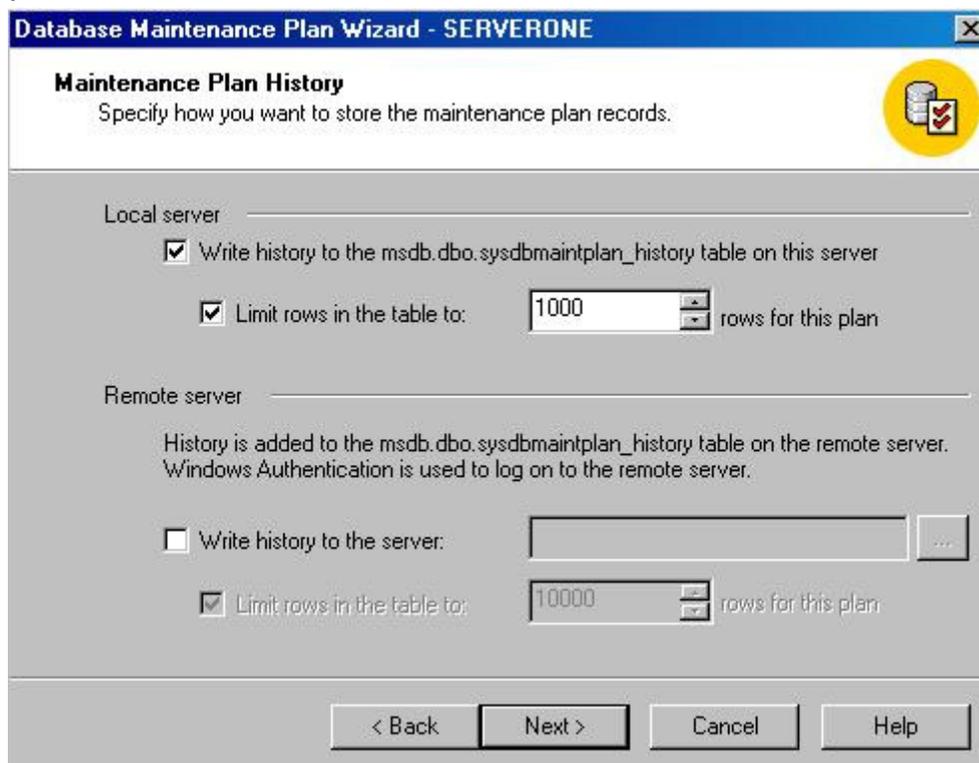
Reports to Generate
Specify the directory in which to store the reports generated by the maintenance plan.

Write report to a text file in directory: ...

Delete text report files older than: ...

Send e-mail report to operator: ...

Click *Next* on the screen *Maintenance Plan History*



Database Maintenance Plan Wizard - SERVERONE

Maintenance Plan History
Specify how you want to store the maintenance plan records.

Local server _____

Write history to the msdb.dbo.sysdbmaintplan_history table on this server

Limit rows in the table to: rows for this plan

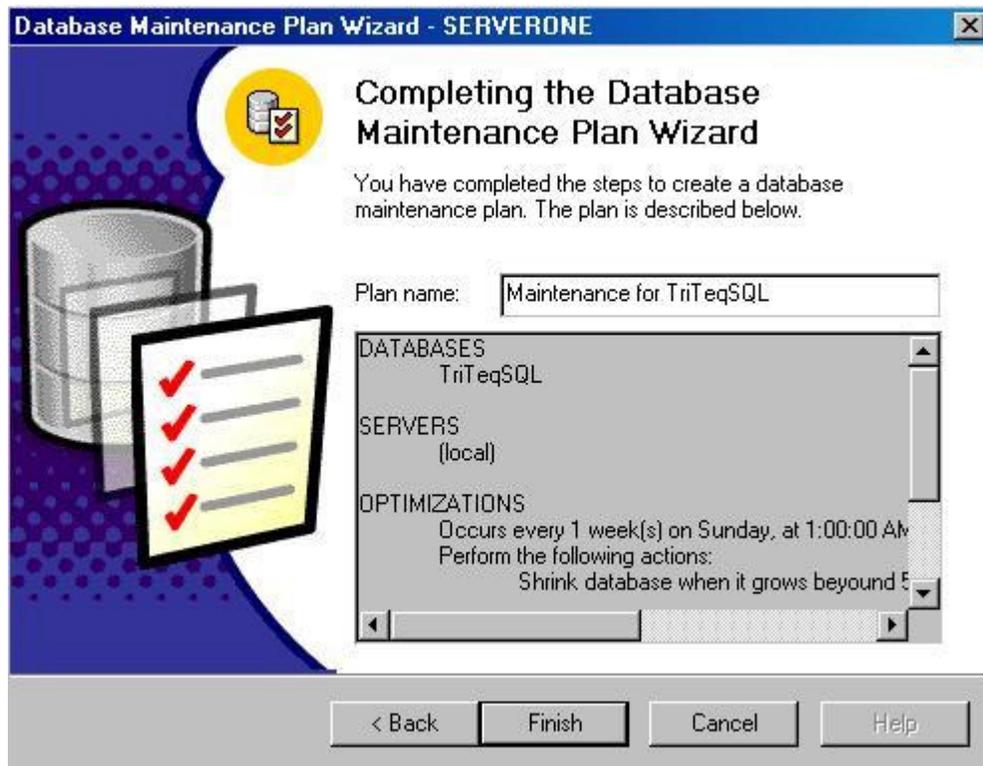
Remote server _____

History is added to the msdb.dbo.sysdbmaintplan_history table on the remote server.
Windows Authentication is used to log on to the remote server.

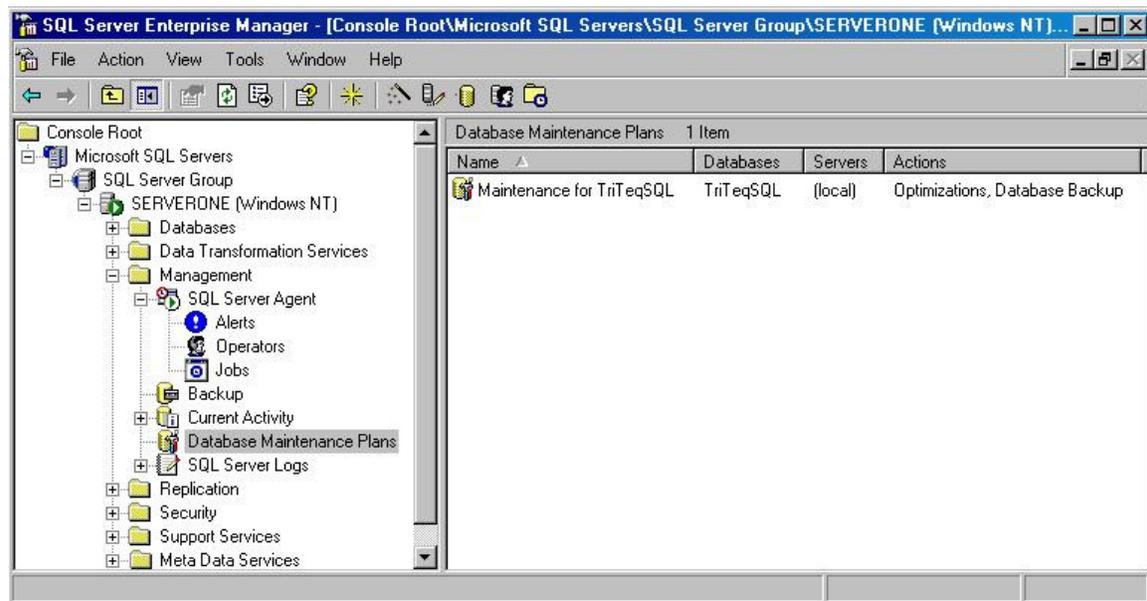
Write history to the server: ...

Limit rows in the table to: rows for this plan

Enter a Plan name for the database maintenance that you configured and click on *Finish*.

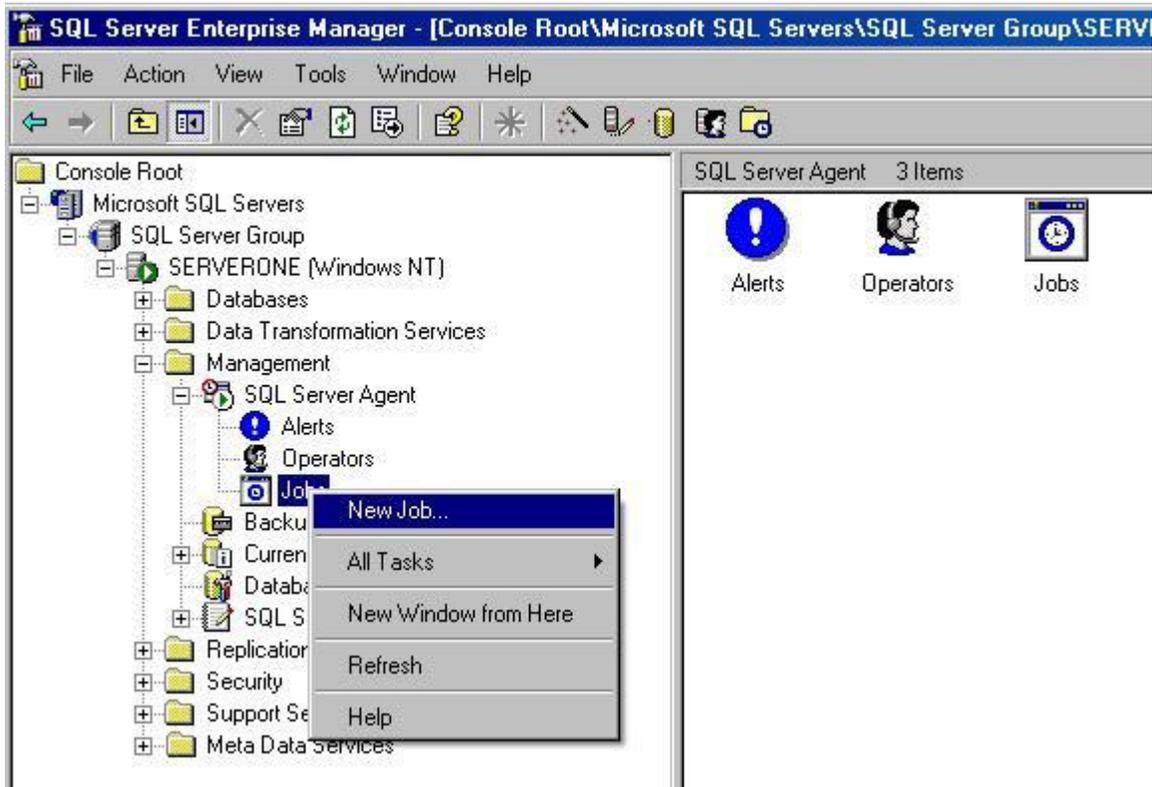


Verify proper maintenance plan is added to your list.

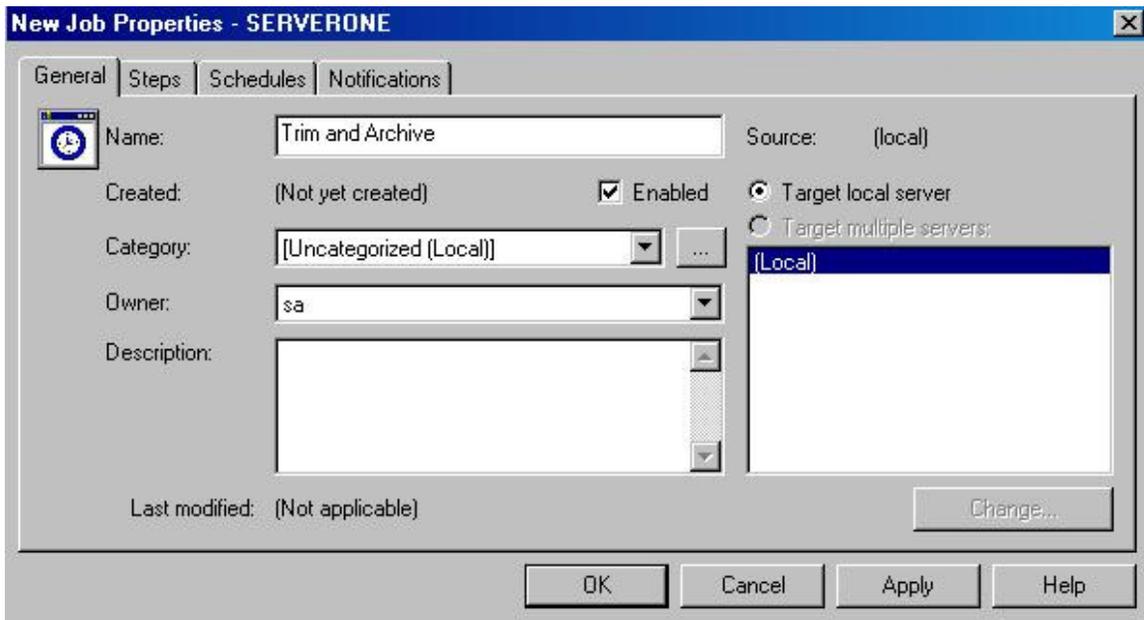


2. Scheduled Jobs

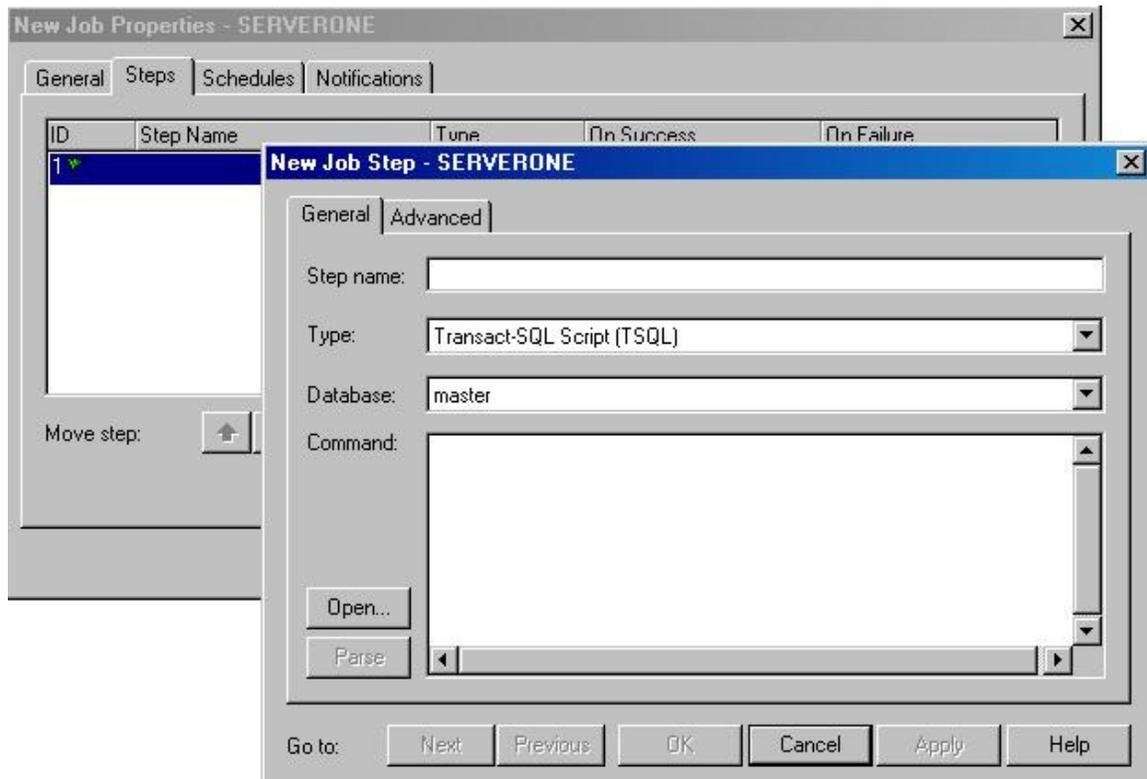
Expand your *SQL Server Agent* and right click on *Jobs*. Select *New Job*.



Enter a name for the new job.

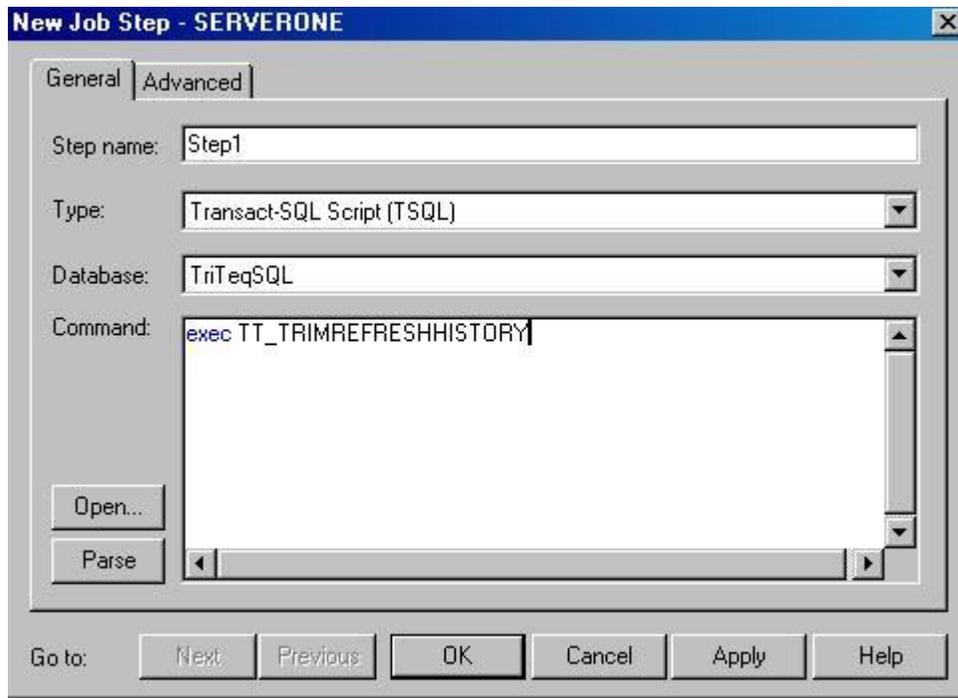


Next click on tab *Steps* and select *New*.



Name this step as Step1, select TriTeqSQL as database and enter as command the following line:

exec TT_TRIMREFRESHHISTORY



Click on *Advanced* tab.

Select *Goto the next step* on both success and failure of this step.

New Job Step - SERVERONE

General | Advanced

On success / failure flow

On success action: Goto the next step

Retry attempts: 0 Retry interval (minutes): 1

On failure action: Goto the next step

Transact-SQL Script (TSQL) command options

Output file: ... View...

Append output to step history Overwrite
 Append

Run as user: (Self)

Go to: Next Previous OK Cancel Apply Help

Click on *Apply and OK* to add step2.

New Job Step - SERVERONE

General | Advanced

Step name: Step2

Type: Transact-SQL Script (TSQL)

Database: TriTeqSQL

Command: exec TT_ArchiveTrails

Open... Parse

Go to: Next Previous OK Cancel Apply Help

Enter Step2 as a new name, select the database from database list and type the following at the command line:

exec TT_ArchiveTrails

From the Advanced tab select *Quit the job reporting success*, on success action, and *Quit the job reporting failure*, on failure action.

New Job Step - SERVERONE

General | **Advanced**

On success / failure flow

On success action: **Quit the job reporting success**

Retry attempts: 0 Retry interval (minutes): 1

On failure action: **Quit the job reporting failure**

Transact-SQL Script (TSQL) command options

Output file: ... View...

Append output to step history Overwrite
 Append

Run as user: (Self)

Go to:

Click on *Apply* and *OK* to return to *New Job Properties* screen.

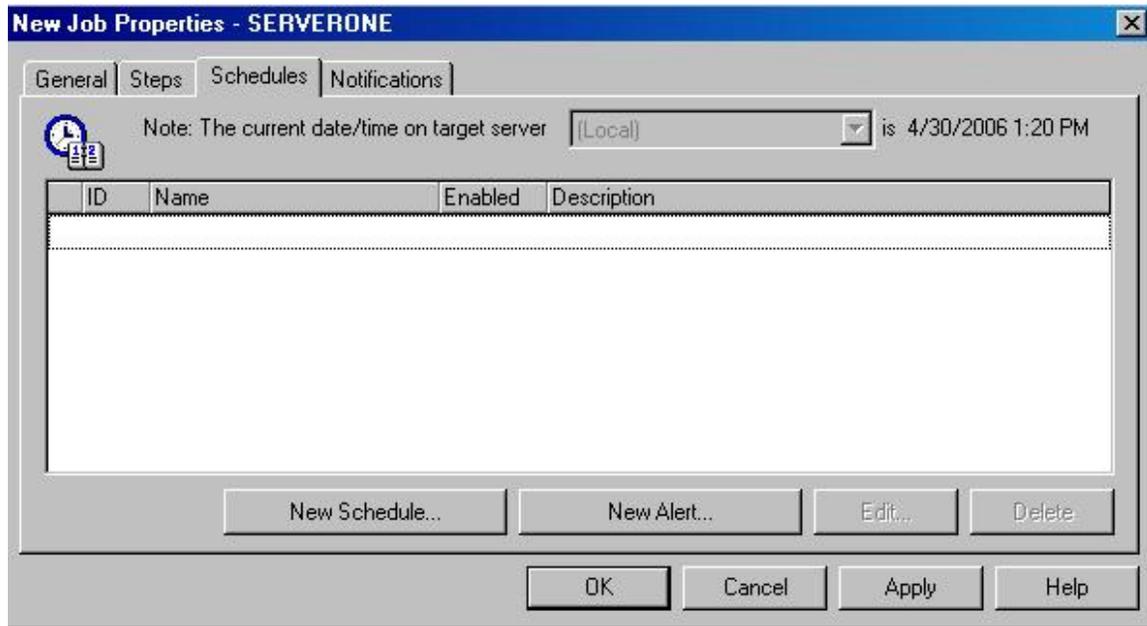
New Job Properties - SERVERONE

General | **Steps** | Schedules | Notifications

ID	Step Name	Type	On Success	On Failure
1	Step1	Transact-SQ...	Goto next step	Goto next step
2	Step2	Transact-SQ...	Quit with success	Quit with failure

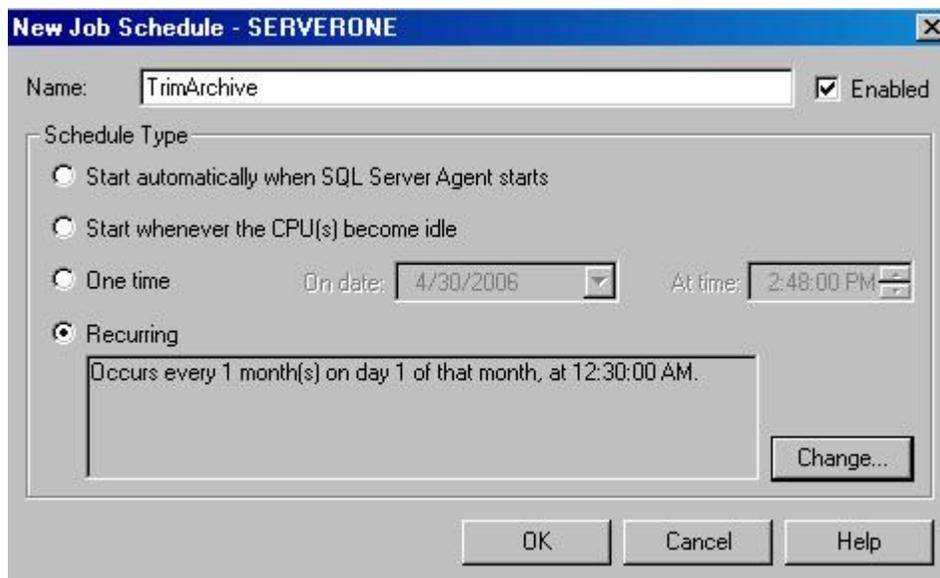
Move step: Start step: (1) Step1

Click on the Schedule tab to define your schedule (monthly recommended).

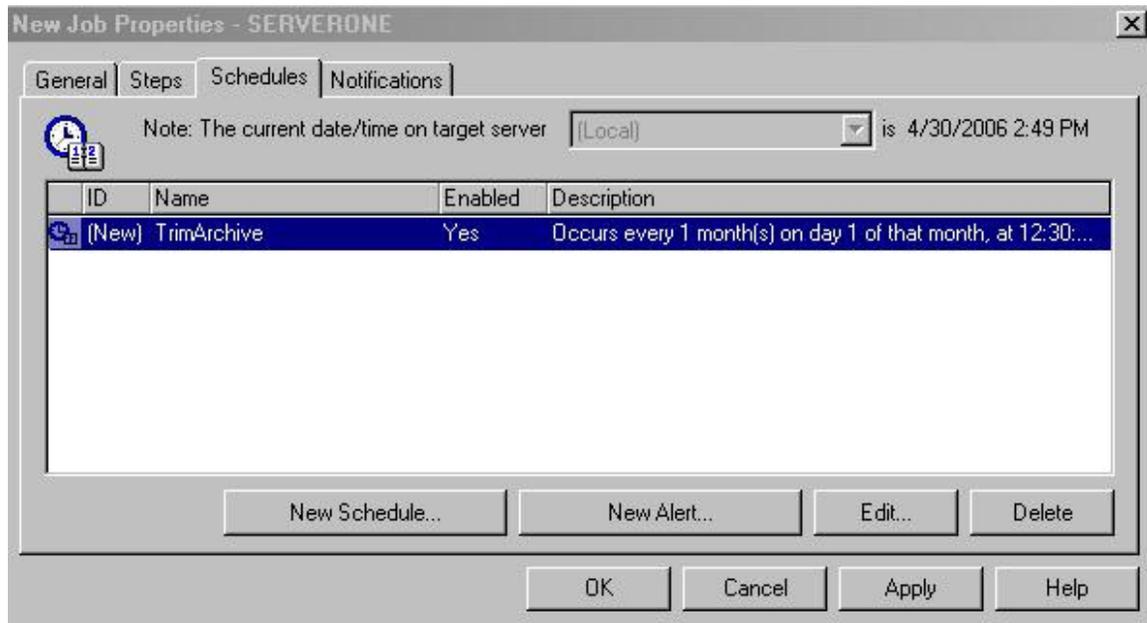


Click on *New Schedule*

Select a Name for this Job and a schedule (Monthly recommended).



Click on *Apply* and *OK*.



Verify your job was added to the list of jobs in *SQL Server Agent*.

