

Question:

What is the recommendation for a "**Maintenance plan**" for backing up the SQL Database in SolidWorks PDM professional?

Reply:

Here is a procedure:

NB SolidWorks recommends Databases are in "**Simple Mode**", This "**Maintenance Plan**" is for simple mode.

Hours (this is usually not Used, and is only relevant to decide on with "**Full recovery Model**")

Backup of Transaction log.	Only with Full recovery Model
Archive backup (incremented).	Only with Full recovery Model

Daily SQL Server

1. Check Database Integrity Task
2. Back Up Database Task, (customer database and Conisio)
3. Maintenance Cleanup Task, remove old backups older than>

Daily Archive Server (customer database)

4. Backup of Archive Settings
5. Archive Backup (Physical Files)

Monthly (customer database)

6. Update Statistics Task
7. Reorganize Index Task

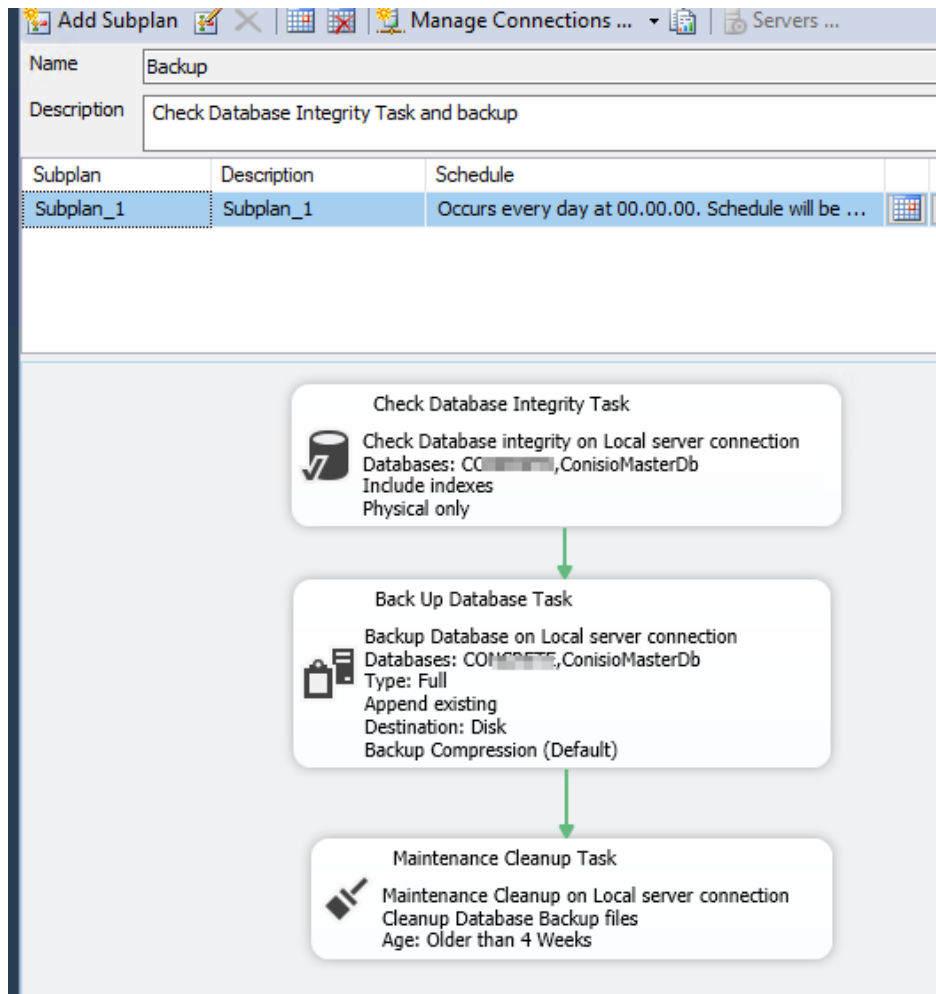
Monthly (customer database)

8. Rebuild Index Task

Subplan 1 Daily

Backup daily

1. Check Database Integrity Task
2. *Back Up Database Task (not Tempdb)*
3. *Remove backup files older than>*



Subplan 2 Month

1. Update Statistics Task
2. Reorganize Index Task

The screenshot shows the SQL Server Enterprise Manager interface. At the top, there are three tabs: 'Month - sa [Design]', 'Concrete maintenance - sa [Design]*', and 'Backup - sa [Design]*'. Below the tabs is a toolbar with icons for 'Add Subplan', 'Close', 'Grid', 'Refresh', 'Manage Connections...', and 'Servers...'. The main area is divided into two sections. The top section is a form for the maintenance plan 'Month', with a description 'Monthly Statistics and Reorganize Task'. Below this is a table with columns 'Subplan', 'Description', and 'Schedule'. The table contains one row: 'Subplan_1', 'Subplan_1', and 'Occurs every second Saturday of every 1 mont...'. The bottom section is a task flow diagram. It starts with a box for 'Update Statistics Task' with a bar chart icon. The text inside the box reads: 'Update Statistics on Local server connection', 'Databases: CONCRETE', 'Object: Tables and views', 'All existing statistics', and 'Scan type: Full scan'. A green arrow points down to a second box for 'Reorganize Index Task' with a tree icon. The text inside the box reads: 'Reorganize index on Local server connection', 'Databases: C...', 'Object: Tables and views', and 'Compact large objects'.

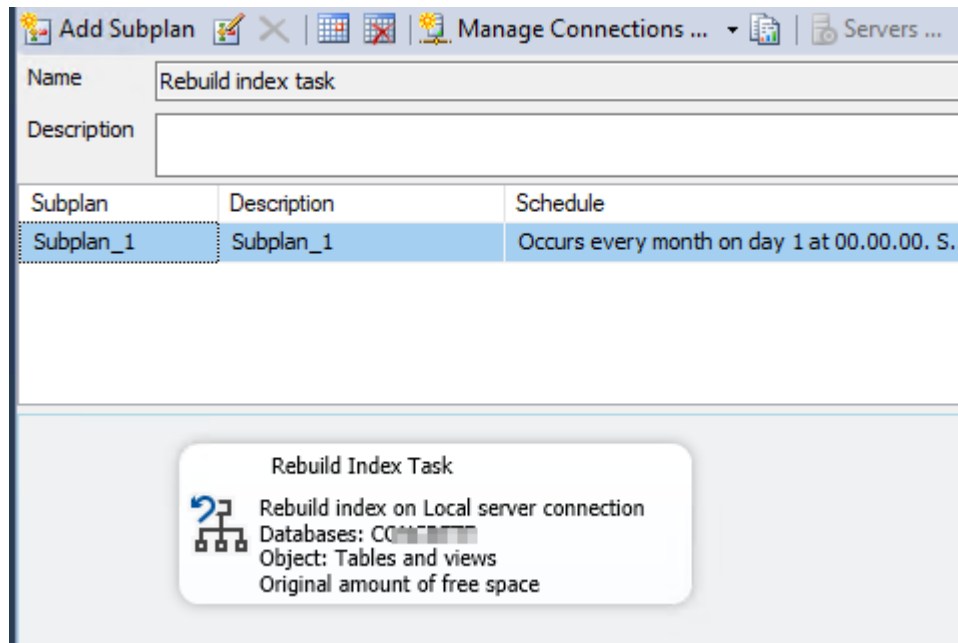
Subplan	Description	Schedule
Subplan_1	Subplan_1	Occurs every second Saturday of every 1 mont...

Update Statistics Task
Update Statistics on Local server connection
Databases: CONCRETE
Object: Tables and views
All existing statistics
Scan type: Full scan

Reorganize Index Task
Reorganize index on Local server connection
Databases: C...
Object: Tables and views
Compact large objects

Subplan 3 Month

1. Rebuild Index Task



The screenshot shows the 'Add Subplan' dialog box with the following details:

- Name: Rebuild index task
- Description: (empty)
- Table of Subplans:

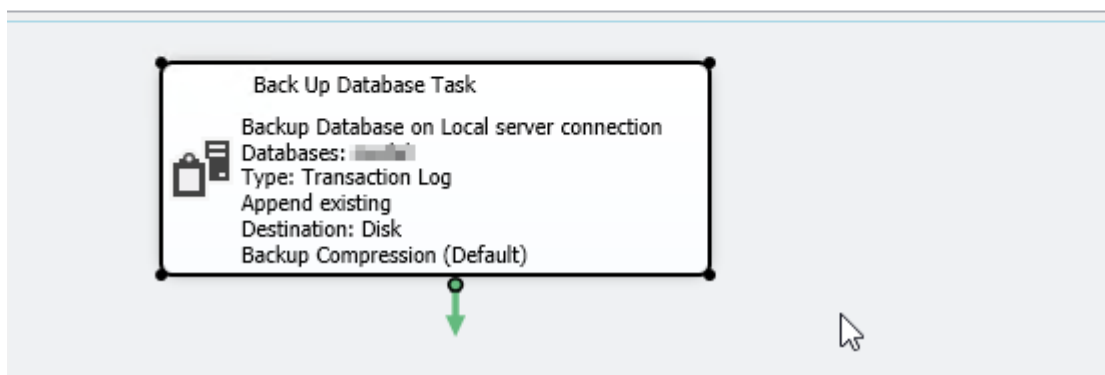
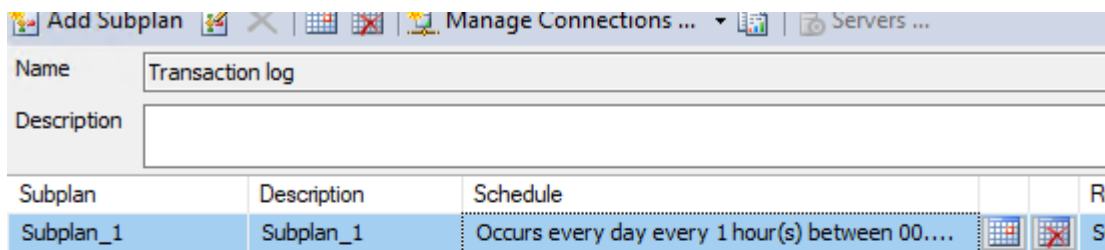
Subplan	Description	Schedule
Subplan_1	Subplan_1	Occurs every month on day 1 at 00.00.00. S..

Below the table, a preview box displays the configuration for the 'Rebuild Index Task':

- Rebuild Index Task
- Rebuild index on Local server connection
- Databases: COMPTON
- Object: Tables and views
- Original amount of free space

Subplan 4 Hours “NB! Only with full recovery Model”

1. Backup of Transaction log. *Only with Full recovery Model*



NB: Remember to move Backup files to other media !!

Good Luck with backup
Jens-Ole Jensen