

MachPanel Database Backup Removal

Summary

This article provides summary how to schedule MachPanel Database delete via Task scheduler.

Applies To

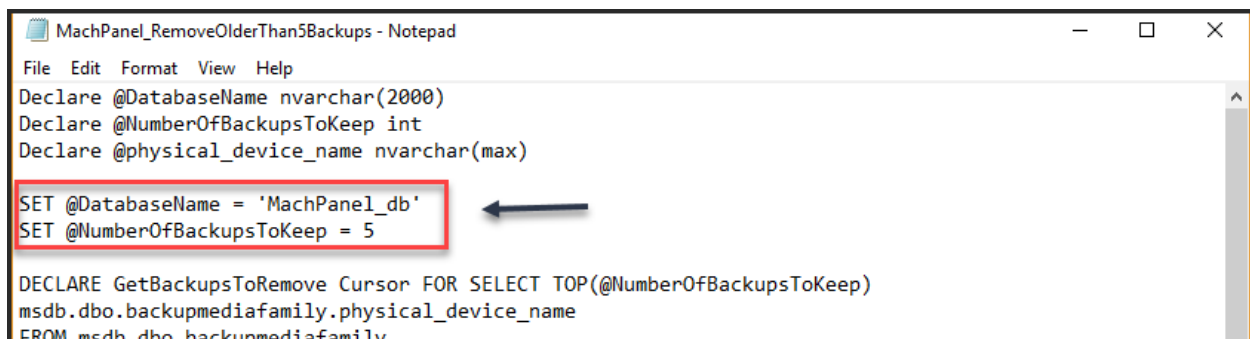
This article applies to MachPanel all build versions.

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Database Backup can be taken using the configuration studio but the removal of the old backup files will be done by the execution of SQL script through scheduling a task using Windows built-in Task Scheduler. It is a one-time configuration process and the removal of old database files will be automated afterwards, based on the settings configured while scheduling the task.

Pre-Requisites before scheduling a task:

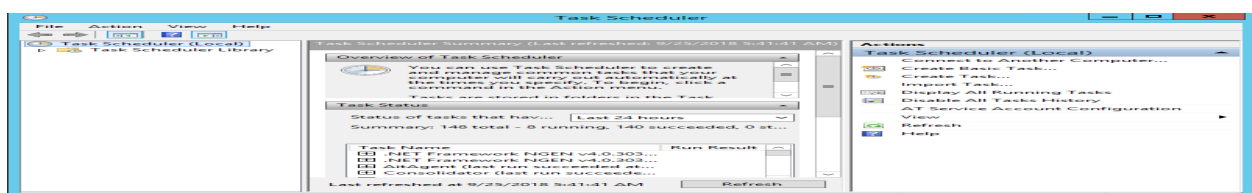
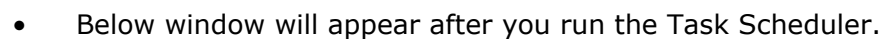
- Any user with full administrative rights on folder (where script file is placed) and SQL server service, can configure this task. The windows default administrator account or one with similar rights should be used.
- Open the script file using Notepad and make the required changes in the highlighted part i.e. **Name of your Database** and the **How much previous backups** you want to keep.



```
MachPanel_RemoveOlderThan5Backups - Notepad
File Edit Format View Help
Declare @DatabaseName nvarchar(2000)
Declare @NumberOfBackupsToKeep int
Declare @physical_device_name nvarchar(max)
SET @DatabaseName = 'MachPanel_db'
SET @NumberOfBackupsToKeep = 5
DECLARE GetBackupsToRemove Cursor FOR SELECT TOP(@NumberOfBackupsToKeep)
msdb.dbo.backupmediafamily.physical_device_name
FROM msdb.dbo.backupmediafamily
```

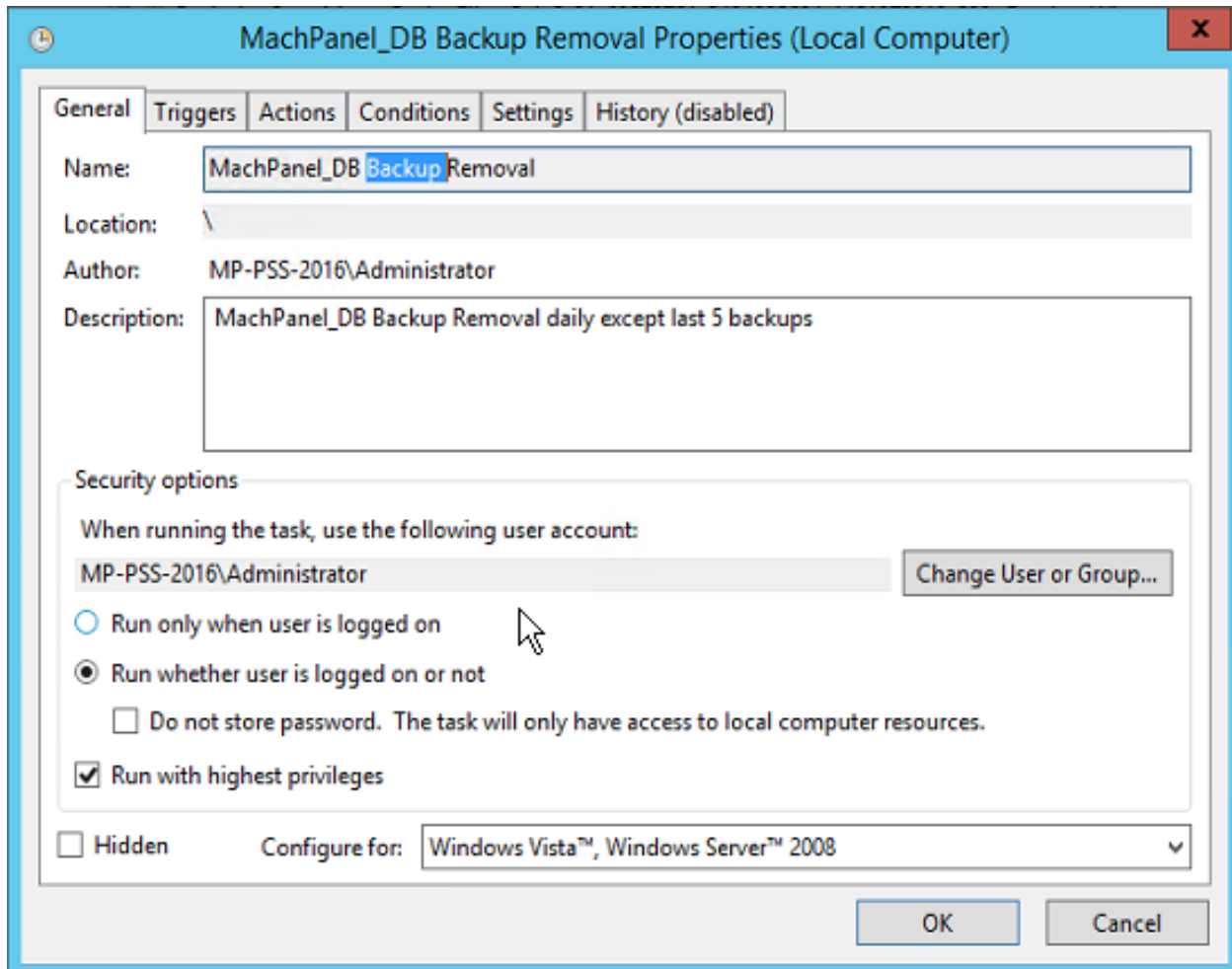
Please find the complete code in attachment.

- When the above-mentioned pre-requisites are verified the next step is to schedule the task using **Task Scheduler** on your SQL server. Navigate to **Search** and type "**Task Scheduler**", right click on it and click "**Run as Administrator**" as shown below.

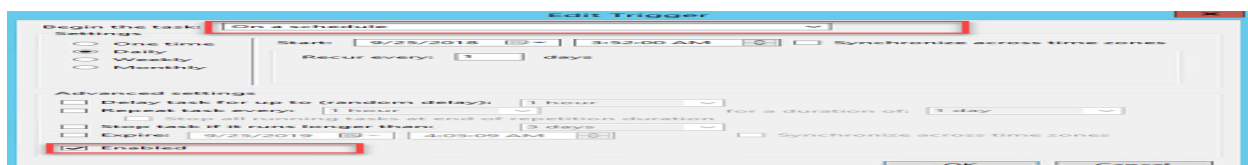


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Step -1: Click on **Task Scheduler** present in the Object Explorer present at left side of screen and select "**Create Task**" and the new task addition window will appear on your screen. In the Create Task window under the **General** tab you will have to provide **Name** of Task, description of task and the security options should be configured as shown below and click **OK** at the end:



Step-2: In the **Triggers** tab, click on 'New' to add trigger, a new window will appear by name "Edit Trigger" in which you will configure the desired settings related to trigger this task. You have to select date/time and also **Enable the trigger** at the end of window and click **OK**.



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Step-3: In the **Actions** tab in which you will have to select the action for your task and under the settings Program/script you will have to look for **SQLCMD.EXE** in your SQL installation directory and select the EXE file. In the **Actions** tab, click on '**New**' button and a new window will appear to add/edit the desired action.

Sample input is mentioned below, but the input should be according to your SQL installation details.

Program/Script:

"C:\Program Files (x86)\Microsoft SQL Server\Client SDK\ODBC\130\Tools\Binn\SQLCMD.EXE"

Next step is to add the arguments value and in this case the argument sample input should be like:

-S "MP-PSS-2016\MACHPANELSQL08R2" -i "C:\Program Files\MachSol\RemoveBackups.sql" -E

You have to enter based on your SQL installation.

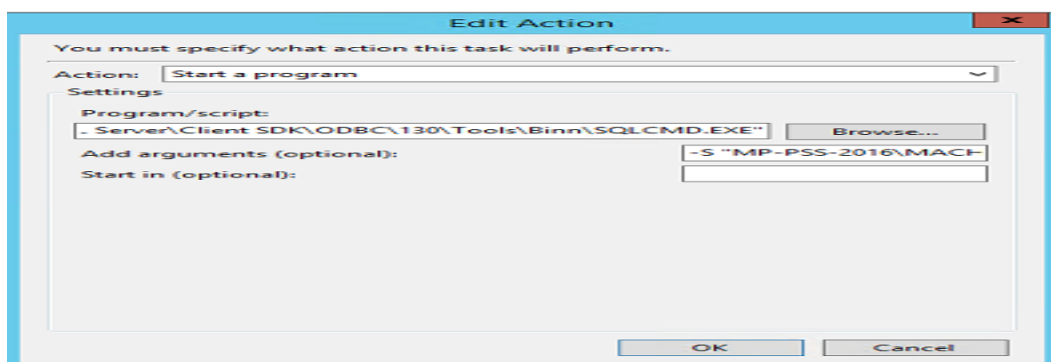
Note: Values must be enclosed in double quotes.

Where

-S = SQL server name\instance name (EDIT it accordingly)

-i = Path for the script file to be executed through Task Scheduler. (File is attached with document)

-E = for trusted connection (no value expected) and click on **OK**.



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Step-4: Next tab is the **Conditions** tab, which specifies the execution of task based on the conditions i.e. the task will not Run if any condition set here is not true.

The screenshot shows the 'Conditions' tab of the 'MachPanel_DB Backup Removal Properties (Local Computer)' dialog box. The dialog has tabs for General, Triggers, Actions, Conditions (selected), Settings, and History (disabled). The 'Conditions' section contains instructions: 'Specify the conditions that, along with the trigger, determine whether the task should run. The task will not run if any condition specified here is not true.' Below this, there are three sections: 'Idle', 'Power', and 'Network'. In the 'Idle' section, 'Start the task only if the computer is idle for:' is set to '10 minutes' and 'Wait for idle for:' is set to '1 hour'. 'Stop if the computer ceases to be idle' is checked, and 'Restart if the idle state resumes' is unchecked. In the 'Power' section, 'Start the task only if the computer is on AC power' and 'Stop if the computer switches to battery power' are both checked. 'Wake the computer to run this task' is unchecked. In the 'Network' section, 'Start only if the following network connection is available:' is set to 'Any connection'. At the bottom are 'OK' and 'Cancel' buttons.

Step-5: The next tab is the **Settings** tab in which you will have to specify the additional settings that will affect the behavior of the task as shown below and save the desired changes:

The screenshot shows the 'Settings' tab of the 'MachPanel_DB Backup Removal Properties (Local Computer)' dialog box. The dialog has tabs for General, Triggers, Actions, Conditions, Settings (selected), and History (disabled). The 'Settings' section contains instructions: 'Specify additional settings that affect the behavior of the task.' Below this, there are several options: 'Allow task to be run on demand' (checked), 'Run task as soon as possible after a scheduled start is missed' (checked), 'If the task fails, restart every:' set to '1 hour', 'Attempt to restart up to:' set to '3 times', 'Stop the task if it runs longer than:' set to '1 hour', 'If the running task does not end when requested, force it to stop' (checked), 'If the task is not scheduled to run again, delete it after:' set to '30 days', and 'If the task is already running, then the following rule applies:' set to 'Do not start a new instance'. At the bottom are 'OK' and 'Cancel' buttons.

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Step-6: The last one is the **History** tab which basically holds the history of the task when it is being executed through the Task Scheduler.

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/55582/MachPanel-Database-Backup-Remova...>