



Continuous Snapshot via API

This guide describes the easy steps to realize a continuous snapshotting for SNAS by the use of the API

Written By: Rene Weber

A large, solid blue square occupies the lower half of the page. At the bottom of this square, the FAST LTA logo is displayed in white and black text, with the tagline 'Wir sichern Petabytes.' in black text below it.

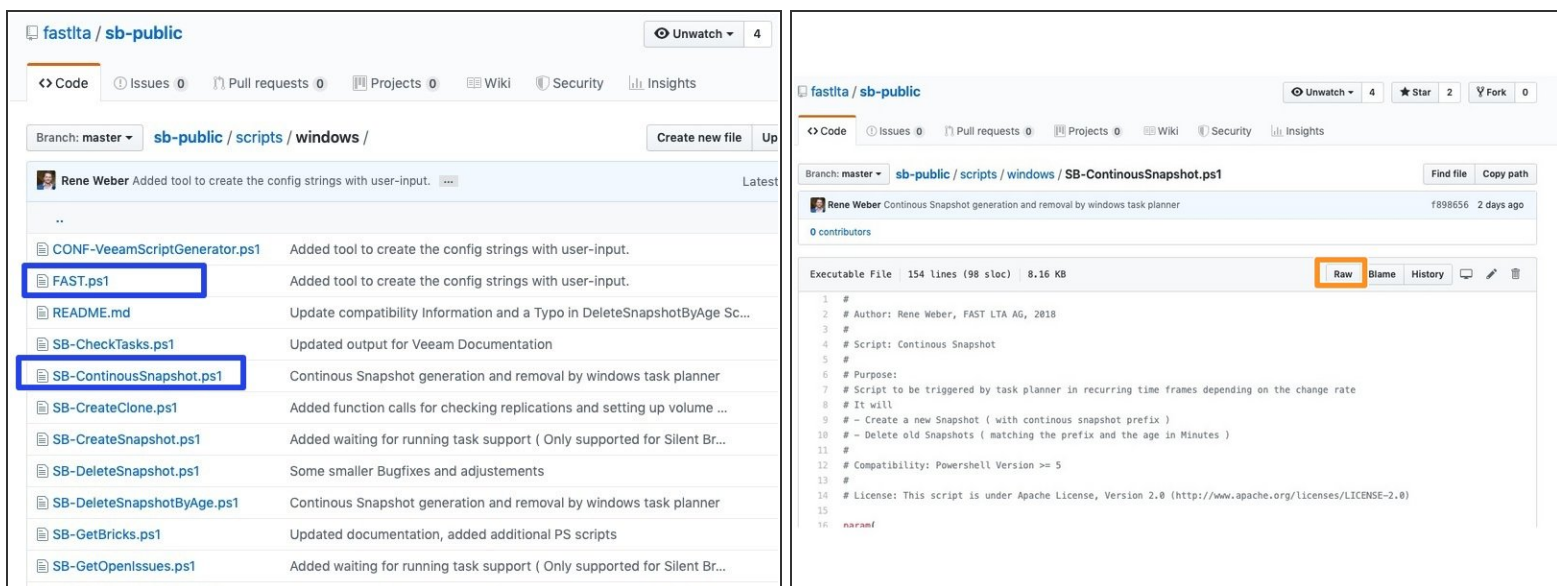
FAST LTA
Wir sichern Petabytes.

INTRODUCTION

This guide describes the easy steps to realize a continuous snapshotting for SNAS by the use of the API.

Be aware that Snapshots will need disk space depending on the interval and the data change rate.

Step 1 — Install scripts



The left screenshot shows the GitHub repository `fastlta / sb-public` at the `sb-public / scripts / windows /` directory. The file list includes:

- `CONF-VeeamScriptGenerator.ps1`: Added tool to create the config strings with user-input.
- `FAST.ps1`: Added tool to create the config strings with user-input.
- `README.md`: Update compatibility information and a Typo in DeleteSnapshotByAge Sc...
- `SB-CheckTasks.ps1`: Updated output for Veeam Documentation
- `SB-ContinuousSnapshot.ps1`: Continuous Snapshot generation and removal by windows task planner
- `SB-CreateClone.ps1`: Added function calls for checking replications and setting up volume ...
- `SB-CreateSnapshot.ps1`: Added waiting for running task support (Only supported for Silent Br...
- `SB-DeleteSnapshot.ps1`: Some smaller Bugfixes and adjustments
- `SB-DeleteSnapshotByAge.ps1`: Continuous Snapshot generation and removal by windows task planner
- `SB-GetBricks.ps1`: Updated documentation, added additional PS scripts
- `SB-GetOpenIssues.ps1`: Added waiting for running task support (Only supported for Silent Br...

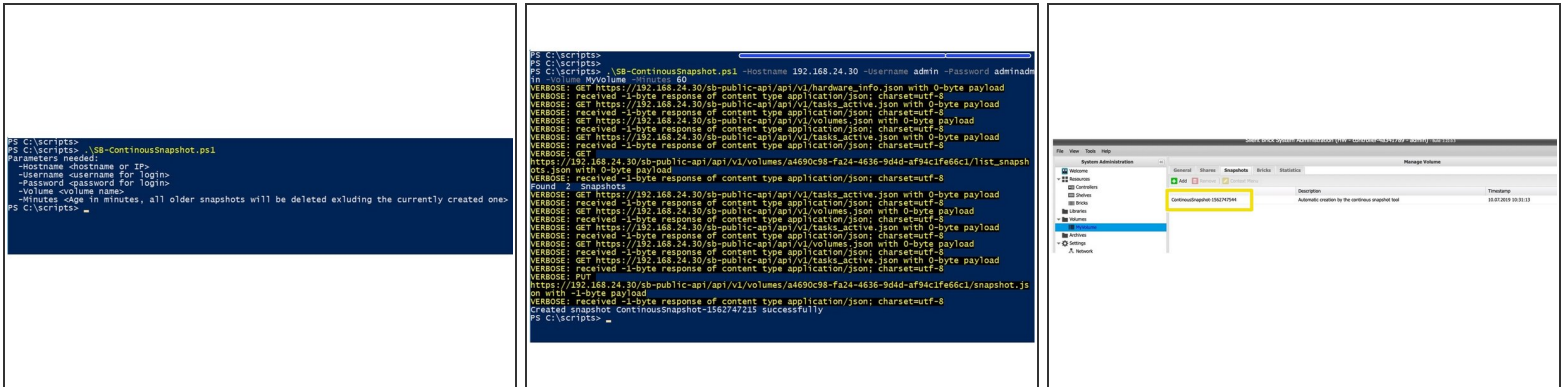
The right screenshot shows the 'Raw' view of the `SB-ContinuousSnapshot.ps1` file. The script content is as follows:

```
1 #
2 # Author: Rene Weber, FAST LTA AG, 2018
3 #
4 # Script: Continuous Snapshot
5 #
6 # Purpose:
7 # Script to be triggered by task planner in recurring time frames depending on the change rate
8 # It will
9 # - Create a new Snapshot ( with continous snapshot prefix )
10 # - Delete old Snapshots ( matching the prefix and the age in Minutes )
11 #
12 # Compatibility: Powershell Version >= 5
13 #
14 # License: This script is under Apache License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0)
15
16 namanf
```

- Visit <http://github.com/fastlta/sb-public>
- Switch to the Folder scripts -> windows
- Download the following files by opening them, choosing "Raw" and saving the file:
 - FAST.ps1
 - SB-ContinuousSnapshot.ps1
- Store the files to a folder on your Windows host (we use C:\scripts)

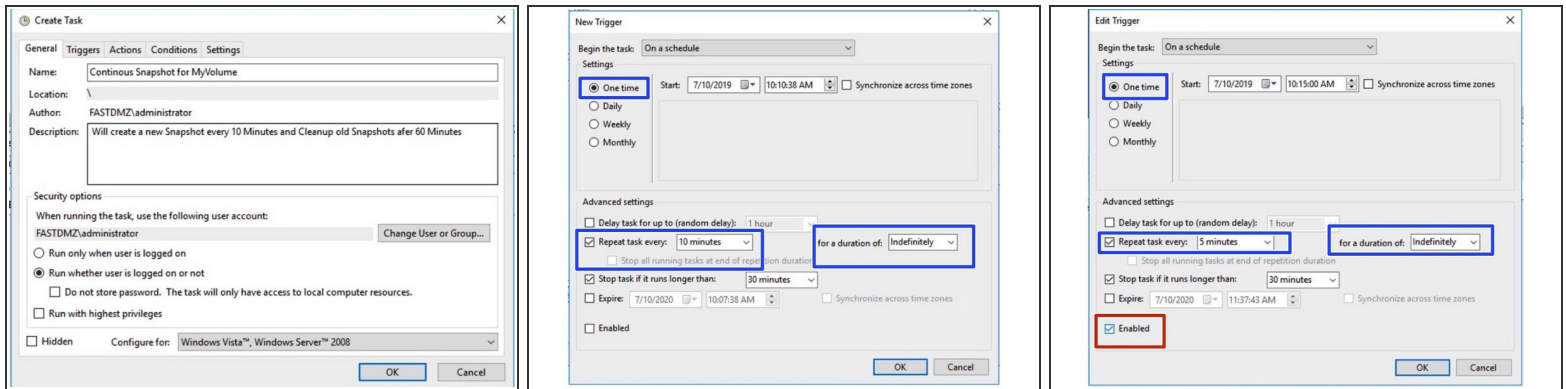
⚠ The Windows host must have access to the management port of your Silent Brick System

Step 2 — Setup script



- Open a powershell and switch to scripts folder
- Run the script with the desired parameters
 - Hostname: IP/Name of the Silent Brick System
 - Username: UI User with admin rights for the Volume
 - Password: UI Users' password
 - Volume: Name of your Volume
 - Minutes: Maximum Age of Snapshots before deletion
- Verify snapshot creation in the volume view of your Silent Brick System

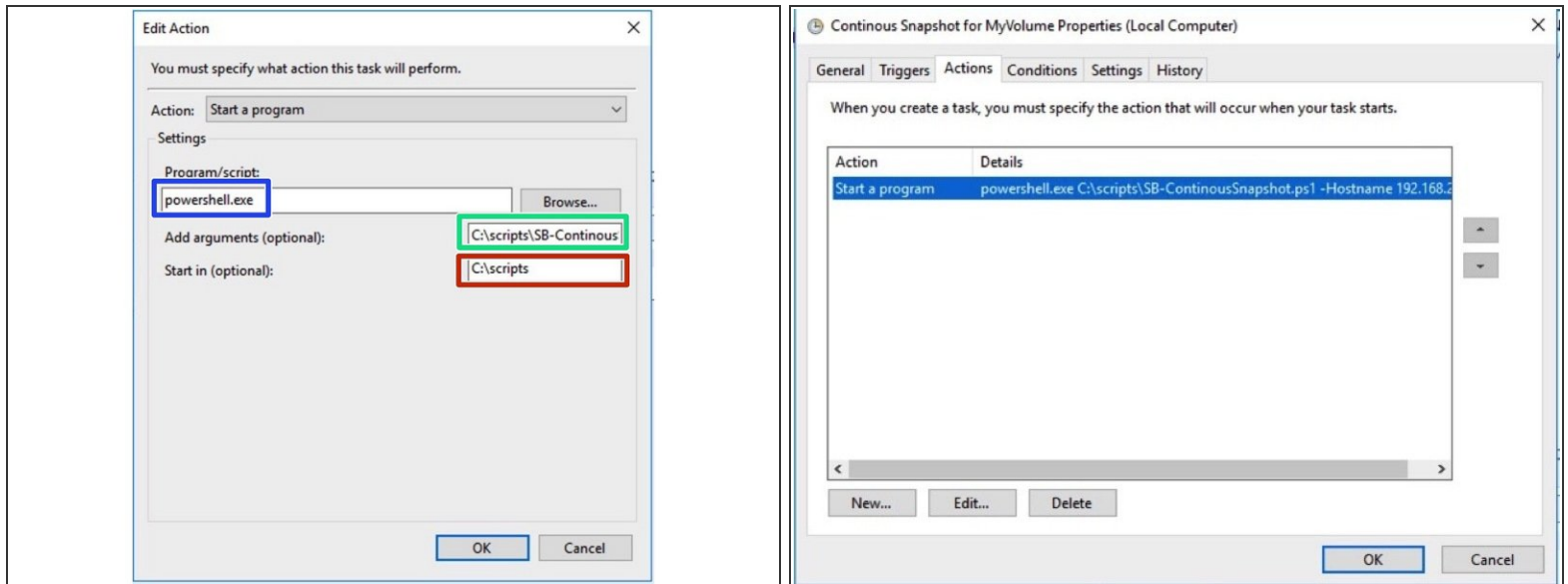
Step 3 — Setup task schedule



- Open Windows Task Scheduler
- Select "Create Task"
- Define a Trigger as desired
 - Here it will create a Snapshot every 10 Minutes

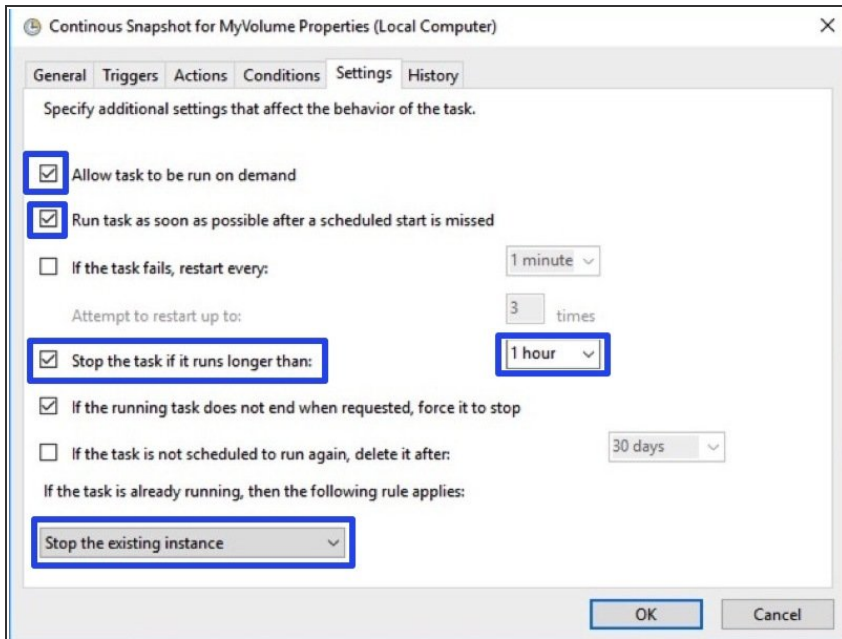
⚠ Make sure your plan is enabled

Step 4 — Setup task action



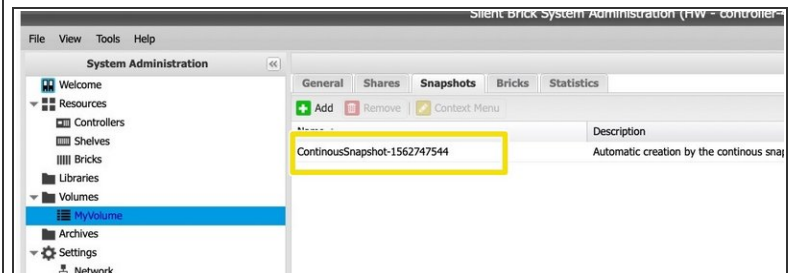
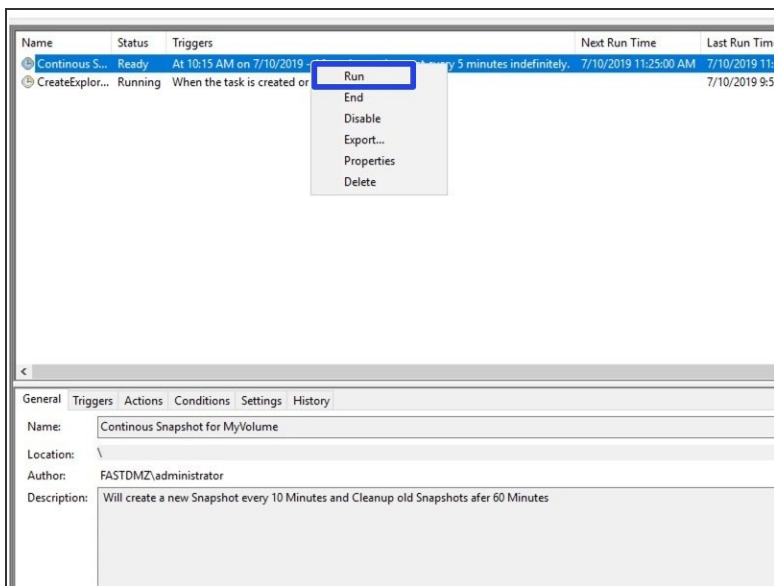
- Switch to Action and add a new action
- Command: Powershell.exe
- Arguments: Full commandline of the Snapshot-script including the arguments
- Start in: Your scriptsfolder

Step 5 — Setup task settings



- Adjust the task settings as displayed

Step 6 — Verify the task



- Right click the task and choose "run now"
- Verify that a Snapshot is created
- Your task is ready. Wait for the first Snapshots and make sure it runs as expected.

