



SB Connectivity Veeam - S3-Integrated Object Storage

This manual describes the steps necessary for connecting the Silent Brick System with Veeam as a S3 Object Store Repository.

Written By: Rene Weber



INTRODUCTION

This manual describes the steps necessary for connecting the Silent Brick System with Veeam as a S3 Object Store Repository.

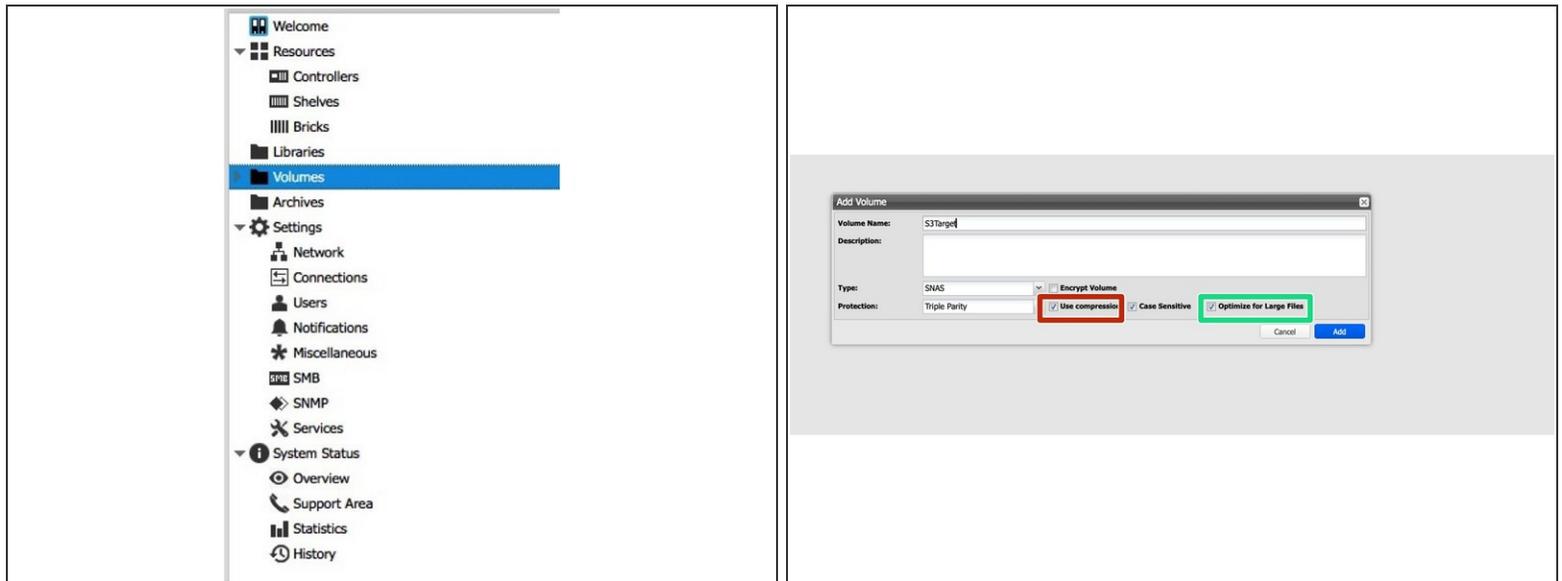
This guide is tested with Veeam 12 and the Silent Brick System Version 2.53

Step 1 — General Information

The Veeam logo is displayed in white text on a green rectangular background. The logo consists of the word "VEEAM" in a bold, sans-serif font.

- ① **Installation and Connectors**
Installation and electrical connection as well as network connection are to be done as described in the manual Installation
- ① **Network Adjustments** The network settings are to be adjusted as described in the manual Installation

Step 2 — SNAS - Volume Setup

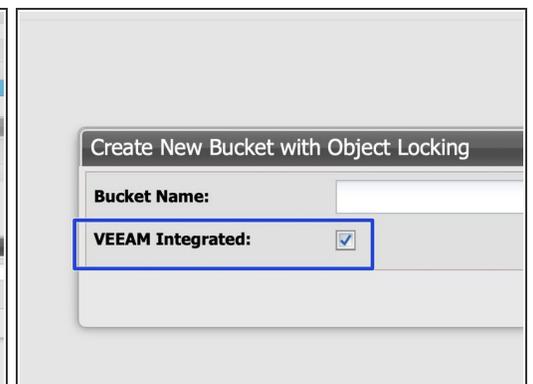
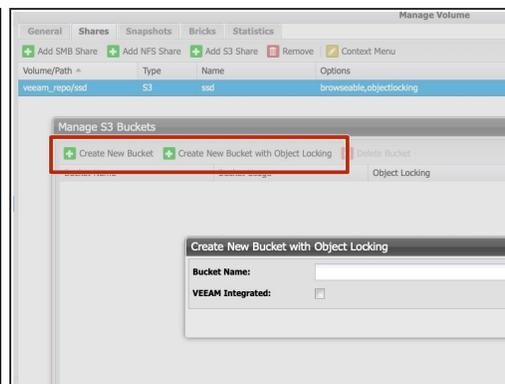


- Create a new Volume of type 'SNAS' with a parity of 3 or 2
- Compression is recommended for the capacity tier
- Enable Large File Optimization
- ① For higher redundancy a parity level of 3 is recommended

Step 3 — SNAS - S3 Share setup

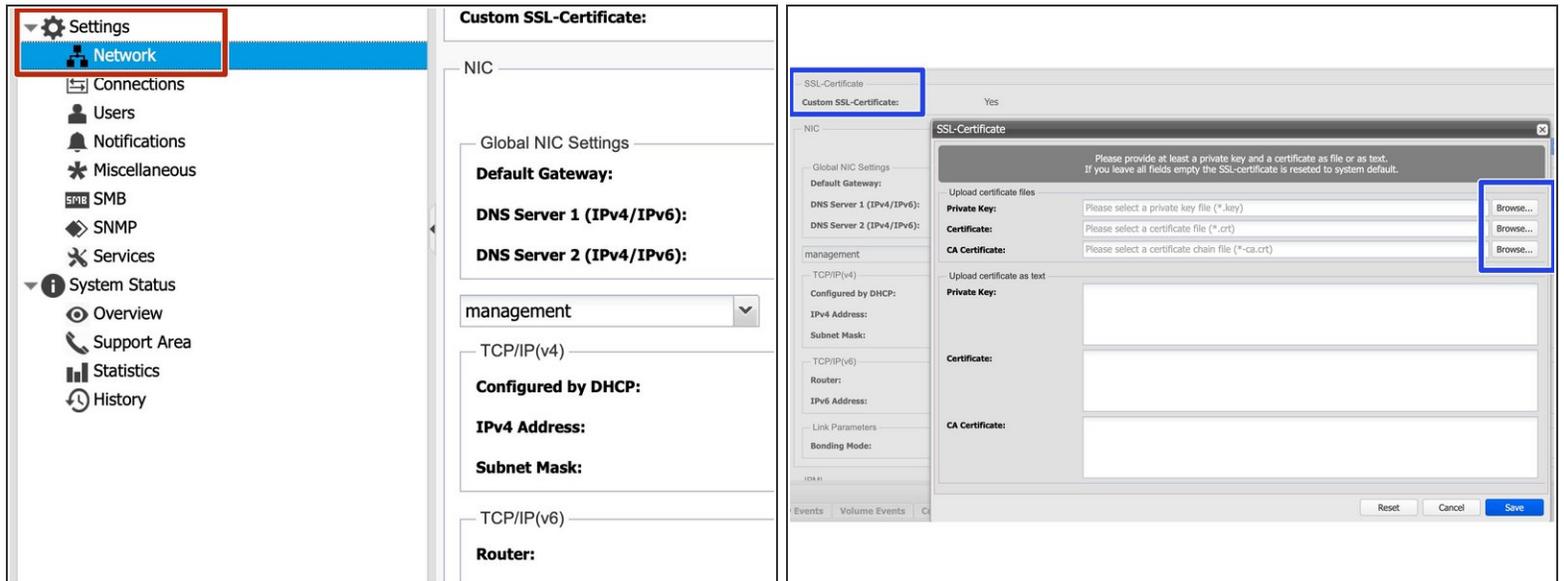
- In your volume navigate to the Shares section
- Choose "Add S3 Share"
- Enter a Share Name
- If the S3 Server should be setup with Object Locking Support, make sure to check the checkbox accordingly.
- Enter credentials for accessing the S3 layer
- The Port will be automatically increased for each new S3 instance

Step 4 — Create Bucket



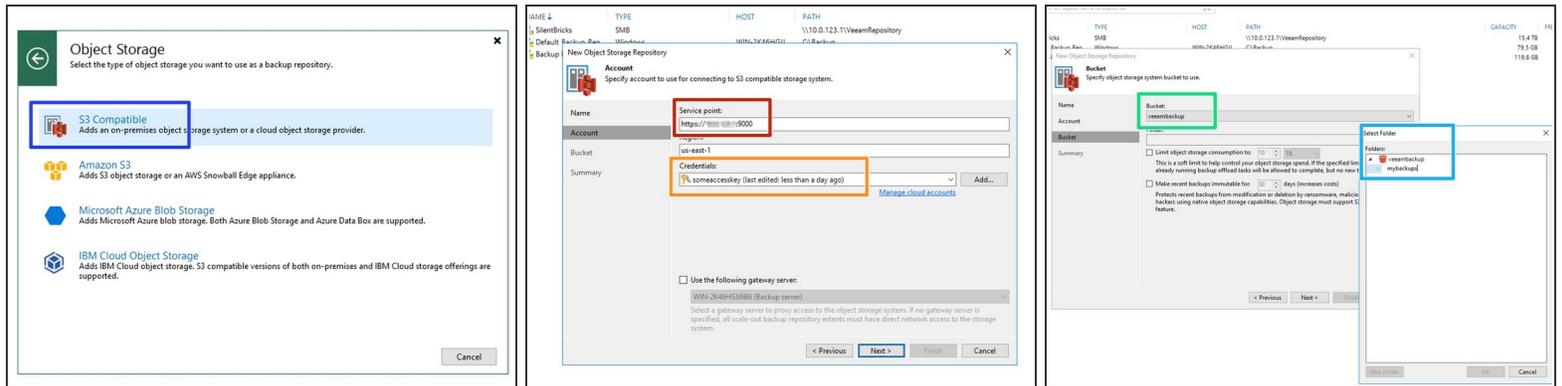
- Right-Click on the S3 Share and choose "Manage Buckets"
- Create a new Bucket using the proper Button.
- ☑ Object Locking is only supported if the S3 share was previously set up with Object Locking Support enabled!
- Make sure to enable "VEEAM Integrated"

Step 5 — Optional: Add custom Certificates



- Since S3 communicates via HTTPs, certificates are being used. In order to update the SSL certificate of the Silent Brick System proceed as follows:
 - Navigate to Settings -> Network
 - Select "Edit" for "Custom SSL Certificate" and upload your own certificates.
- ⓘ Certificates may be generated manually or via services like [Lets Encrypt](#)
- ⓘ Supported certificate types are SSL certificates including the private key and the signing certificate authority.
- ⚠ Certificates with passphrase are not supported.

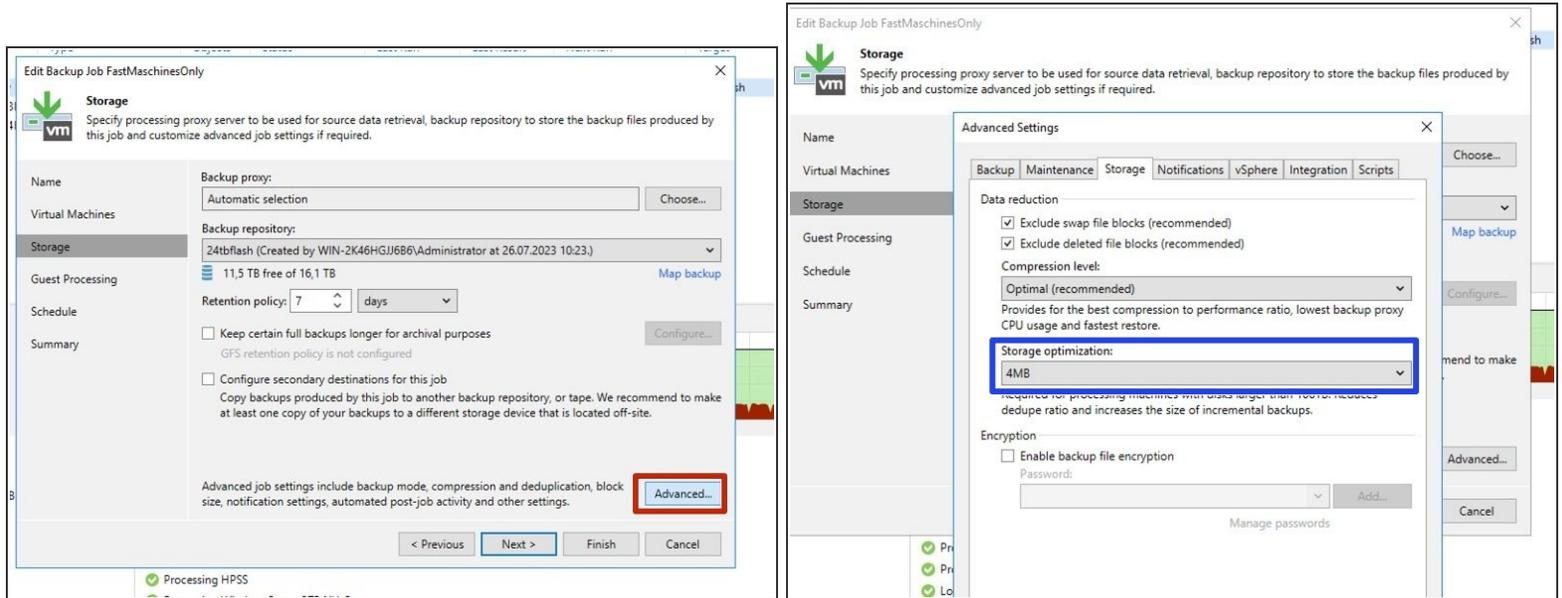
Step 6 — SNAS - Veeam setup



⚠ Make sure to wait 5 Minutes before connecting VEEAM to your Silent Brick System. VEEAM Integration needs some advance for preparation.

- Add a new repository of type 'Object Storage' - 'S3 Compatible'
- Enter the Service Point URL previously noted
- Enter the credentials as defined for the S3 Share
- Select the previously created bucket
- Add a folder to the bucket

Step 7 — Backup Job and Performance Tuning



- ❗ Per Default VEEAM writes quite small objects which can influence the performance especially on spinning disks. Therefore increasing the Object Size can result in a higher Performance.
- Switch to the advanced settings of your backup job
- Modify your Backup Job to use 4 MB Blocks (Previously "Local Target - Large Blocks")
- ❗ Blocksize changes will only be applied from the next Active Full Backup on.