

SoftNAS Cloud Essentials and Veeam on AWS: Getting Started

As organizations struggle with managing the vast amounts of data they produce, cloud backups are becoming one of the fastest growing technologies adopted. SoftNAS has long provided flexible, cloud-native, 100% software-defined cloud data platform for enterprise control of any data, any cloud, anywhere. With Veeam's acknowledged expertise, SoftNAS is now able to offer a clear solution to our customer's considerable cloud backup needs.

When using SoftNAS for backup or archive use cases such as Veeam backups to cloud storage, cloud storage cost is a key factor. For this reason, we will be concentrating on our low-cost, high performance object storage solution, SoftNAS Cloud® Essentials. Any of SoftNAS Cloud®'s editions can be used for archive and backup purposes, but with SoftNAS Cloud® Essential's focus on low-cost secondary tier storage, and improved object-storage performance, it presents an ideal balance for most customer backup and archive needs.

Features of SoftNAS Cloud® Essentials

- **Low Cost**
SoftNAS Cloud® Essentials reduces the cost for “lazy” secondary storage, making it ideal for large scale archival, backup target and disaster recovery workloads.
- **High Performance**
Accelerated back-end object storage writes, deletes, edits and reads – approaching native block storage performance levels.
- **Snapshots and Rollbacks**
Protecting and recovering your data is easy by creating scheduled or manual snapshots that can rollback your data to a point-in-time—perfect for combating malware and ransomware.
- **Multi-Protocol Support**
File access to back-end object storage via NFS, CIFS/SMB with Active Directory, AFP (Apple File Protocol) and iSCSI block services.
- **Encryption**
Data is encrypted in transit and at rest, and only the customer possesses the encryption keys.
- **Access Control**
Integration with Microsoft Active Directory and LDAP, which provides secure access to customer data.
- **Storage Elasticity**
Grow and shrink your storage requirements on an as needed basis, including thin-provisioning and storage pooling.
- **File Services for Object Storage**
SoftNAS Cloud® Essentials provides file services for object storage only.

SoftNAS Cloud® Essentials is a software defined storage appliance providing the file path for Veeam archive storage to Object Storage in the Cloud. SoftNAS provides the critical connectivity and integration between Veeam and the AWS platform.

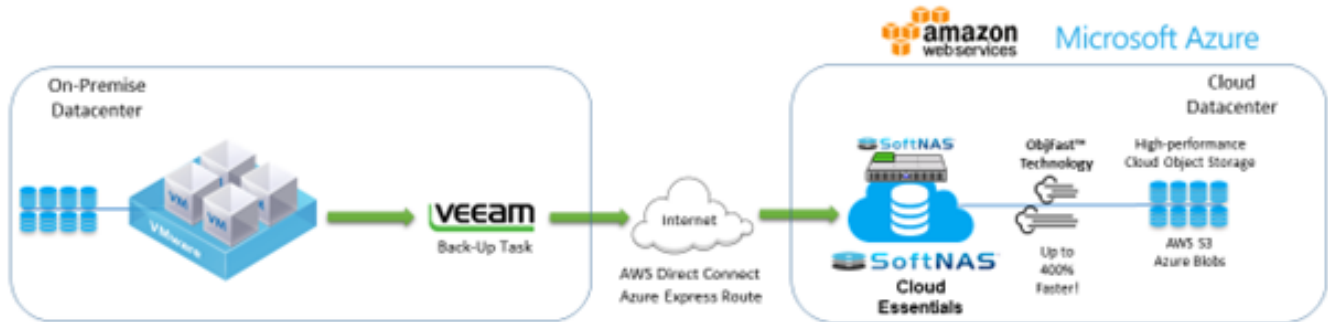
Solution Components:

This solution contains the following components:

- Existing on premise data center or co-location
- Existing Veeam Backup solution
- Network connection – AWS Direct Connect
- AWS Virtual Machine (M4.2Xlarge or better)
- AWS S3 Storage
- SoftNAS Cloud® Essentials

NEW! SoftNAS® Backup Solutions for Veeam®

#1 Best Place to Store Your Backups in the Cloud



- Best price/performance for cloud backups
 - Fastest backup/retrieval for AWS and Azure
 - Lowest TCO
 - Most flexible cloud storage choices



Veeam Backups: General Guidance

If creating a backup solution using Veeam, SoftNAS recommends that a read cache be configured, sized at a minimum of 10% of the backup job in question (the data transferred in a given backup operation). See [Configuring the Read Cache and Write Log](#) for more information.

Getting Started (*SoftNAS recommends the below steps are followed in sequence*)

- AWS Instance Creation
- Configuring your AWS Essentials Instance
- Adding AWS Object Storage: Essentials
- Configuring Read Cache for SoftNAS Cloud® Essentials
- Connecting Veeam and Essentials via WAN