**Veeam Cloud Connect**
*Security Blanket*

# PeaSoup Security Blanket for Veeam Cloud Connect

## How PeaSoup Protects Your Cloud Backups?

Veeam Cloud Connect makes it easy to get your backups and replicas off site to PeaSoup cloud without the cost and complexity of managing a second infrastructure. Your backups are as safe and confidential as they are in a dedicated off-site repository so that data is completely protected and in an event of data loss, you can restore it securely and with minimum disruption.
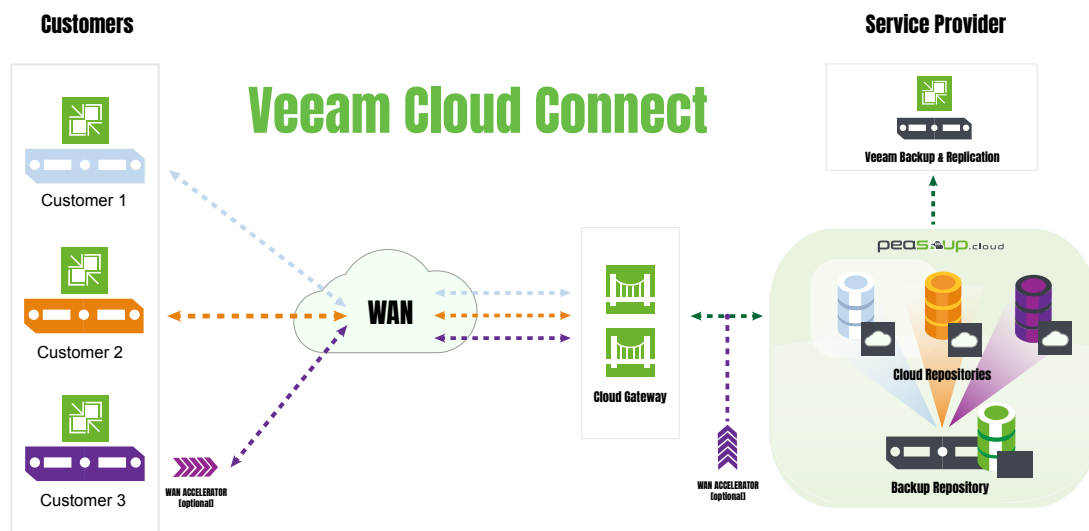
## Even Better Security with PeaSoup

Your backups are encrypted across the wire traversing through a firewall to limit all other traffic, Veeam gateway managing communication with the storage on a separate network (commonly known as air gapping, and Veeam Server holds and synchronizes the work information with your local server and allowing the data flow it direct.

The Veeam storage is a NON-Microsoft and a NON-Domain attached appliance, with access via the Veeam Datamover service. There is no access from the internet directly to the Datamover server, moreover, the data stored is encrypted with the encryption key held by the Trust, not PeaSoup. The storage is air-gapped, i.e. separated from your production network, therefore, there is no risk of malware transfer.

By network air-gapping, the only way to access your account/data is via the Veeam gateway, and only Veeam knows the login details to get access. So, even if malware incl. ransomware compromises your on-premise site, and gets a hold of admin accounts, it won't be able to access the backup copy jobs.

In the event of a security breach of your systems, for example, someone with domain rights may use this method to delete your cloud backups file accidentally or maliciously, any cloud files are automatically stored by PeaSoup for 7 days, this is known as "Insider Protection". This is a separate environment that is completely inaccessible by admin teams from your network. Restoration can be performed by PeaSoup Tech Team only.

**Customers**

**Service Provider**

# Veeam Cloud Connect

Veeam Backup & Replication

peasoup.cloud

Customer 1

Customer 2

Customer 3

WAN ACCELERATOR
[optional]

WAN

Cloud Gateway

WAN ACCELERATOR
[optional]

Cloud Repositories

Backup Repository

Veeam Cloud Connect integrates two services - VPN tunnels and dedicated repositories. VPN is not easy to be automatically configured. With Veeam Cloud Connect, the connection is initiated directly over the Internet, using a single TCP port protected by SSL encryption. This will be possible thanks to the Cloud Gateway, responsible for the encapsulation of all the backup traffic inside the SSL tunnel.

## What's the difference between Backup & Replication to PeaSoup?

Simply put, the backup copy job allows you to send backups to PeaSoup for long term protection from Ransomware and other potential data loss. The replication allows you to have another copy of a VM that can be recovered within minutes in case of disaster.

**Backup = Long term retention.** Provides an essential, low-cost recovery, and low storage usage (up to 10x less than replication due to compression and deduplication). Backups are used for restoring virtual machines in the event of data loss, malware attacks or even accidental deletion adhering to the 3-2-1-1 rule.

**Replication = Short term retention.** Extremely low RTO (Recovery Time Objective) providing rapid performance compared to backup. Replication is an affordable enterprise-grade data and business systems recovery solution. VMs are being replicated to our offsite cloud in the event of losing the main site to disaster can be spun up easily & quickly, but not ideal for storing long term archives.

*Keep in mind that replication is not a replacement for your backups. Ideally, backups are longer-term retention and replications shorter-term retention with the ability to quickly recover data/live systems when required.*

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