BAAS - VEEAM CLOUD CONNECT

Hydro One Telecom Can Help You Protect Your Most Valuable Asset

We know that your company's single most valuable asset may be its data. Customer data, product data, financial data, employee data — it's the lifeblood of any organization. When something goes wrong it's critical to get your data back; all your data, all at once, accurately and consistently. That's why Hydro One Telecom provides the Veeam Cloud Connect Solution as part of it's Backup as a Service (BaaS) offering.
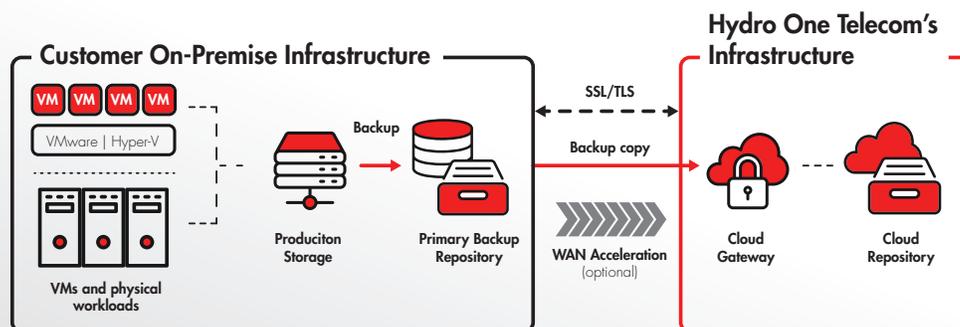
Why Does it Matter?

The most common events requiring service restoration are: flood or fire, man-made or natural disasters, data corruption due to malware attacks, system or equipment failures and increasingly more prevalent- cryptominer and ransomware attacks that literally hold your company hostage. In 2018, ransomware attacks were decreasing in volume but increasing in sophistication. In fact, ransomware and other cybercrimes are projected to cost the global economy \$6 trillion per year by 2021- which represent 7.5% of the total value of the global economy (The Weekly Standard- 05/07/2018).

At Hydro One Telecom we aim to support the 3:2:1 rule of thumb for Data Protection: This rule states that you need to keep three copies of your data, stored on two types of media, with one copy being offsite. Getting backups to and from offsite locations can be challenging due to limited bandwidth, exploding data volumes and a lack of resources required to build or maintain a true offsite backup repository.

Create **3** copies of data (1 primary and 2 backups) — Keep data on at least **2** types of storage media (local drive, NAS, tape, etc) — Store **1** of these offsite (secure storage, cloud, etc)

To address these challenges, HOT leverages the Veeam Cloud Connect Solution to provide a complete cloud-based backup solution for virtual environments for our customers.

With Hydro One Telecom as your service provider, you can master the 3-2-1 rule without expending money and resources into a second site or adding bandwidth — just leverage HOT's connectivity and the Veeam Cloud Connect backup repository solution and take advantage of Veeam's Built-in WAN Acceleration technology and so much more.

How it Works

1. A Veeam server located at your premise backs up your data and consolidates any changed data prior to being replicated to the offsite Cloud connect enabled data vault

2. Your replicated data is stored within a secure Tier II data storage fabric

3. When there is a need to recover the data, the Veeam server located at your premise restores backup data to the server on your premise from the cloud. If your server is not accessible, restoration of your data can be performed by leveraging virtual resource capabilities inside the HOT network

Features of HOT's Veeam Cloud Connect Solution

Hydro One Telecom delivers powerful and reliable features and functionality to help you avoid the risk of catastrophic data loss. With our Veeam Cloud Connect Solution, you get:

- **Hosted Offsite Backups:** Get your backups offsite to a hosted cloud repository through a secure SSL connection with no additional Veeam licensing required

- **A Modern Backup Architecture:** Leverage Veeam's modern backup technology, including Backup Copy jobs with built-in WAN Acceleration, forever incremental backups, parallel processing for VMs and VM disks, GFS (grandfather-father-son) retention policies and more all built into one product

- **End-to-End Encryption:** Rest easy - all data is encrypted at source (before it leaves your network perimeter), in flight and at rest, without negatively impacting the data reduction ratios of built-in compression and WAN Acceleration.

- **Complete Visibility and Control:** Via your Veeam console manage and track your on-premise and cloud infrastructure with the confidence that all your data remains in Canada and is subject to Canadian data privacy laws

Hosted Offsite Backups	**Modern Backup Architecture**	**End-to-End Encryption**	**Complete Visibility and Control**
Physical and virtual backups offsite through a secure SSL connection	Built-in WAN acceleration with multiple retention policies to choose from	Encrypt data at source before sending it to the cloud	Use your Veeam console to manage and track your on-premise and cloud infrastructure