

# Major California Wastewater Treatment Facility Achieves Ransomware Defense with Veeam + Wasabi Object Lock

## CUSTOMER

California Wastewater treatment facility

## INDUSTRY

Public Utility

## USE CASES

Ransomware Prevention

## CHALLENGES

Increase data security in case of ransomware event

## SOLUTION

Veeam Backup & Replication

## RESULTS

- Increased data security with immutable backups
- Offsite Compliance with air-gapped copy
- Fast time to protection and value
- Ease of use
- Overall lower cost solution compared to any other SaaS/IaaS option

*"For a long time, the high cost of storage prevented us from keeping our data offsite where it would be better protected from hackers. So not only did Wasabi's price point allow us to begin moving our data to the cloud, but their immutability support was crucial for our data protection strategy regarding ransomware defense."*

— Network Administrator, Major California Wastewater Treatment Facility

## Overview

This major wastewater treatment facility operates a multi-acre wastewater treatment facility in Northern California and provides collection, treatment and disposal services to a total population of over 356,000.

## Challenge

With the continued rise of ransomware attacks, the facility wanted to take a more proactive approach to preventing any data loss to keep their business running in the event that their systems were compromised. "A lot of local governments have been hit in our area. It was one of the main drivers toward improving our security," said a Network Administrator. With over a quarter million people depending on the facility's services, it was essential that operations not be interrupted for any length of time. The facility first hardened their infrastructure according to Veeam best practices but wanted to go a step further with offsite data and enabling immutability. They understood that hackers attack all on premises resources, which includes primary and backup data storage. By storing a copy with Wasabi, they would prevent backups from being impacted as soon as they are written and moved off site.

## Solution: Veeam Backup & Replication + Wasabi Object Lock

As the facility's IT team began to tackle his ransomware assignment, he knew immutability and decentralization would be essential. Through Wasabi's partnership with Veeam, they were able to meet both of these goals. As a Veeam customer, the IT team can easily secure the facility's backups with object-level immutability using Wasabi S3 Object Lock, which can be easily enabled within the Veeam interface. Immutable data cannot be altered or deleted during a user-defined retention period, making it impervious to encryption or the threat of deletion by cybercriminals during a ransomware attack. The backups are stored offsite in one of Wasabi's globally dispersed data center locations for an additional layer of protection. The facility's Grandfather-Father-Son (GFS) backups strategy gives them up to 2-years of immutable backups to restore from.

## Results

The Veeam Scale Out Backup Repository and cloud storage made the integration of putting data in the cloud very straightforward. It not only allowed the IT team to enable immutability with a simple check box, but also allowed for considerable cost savings on long-term retention with Wasabi's low cost per TB. It took 10 minutes to get Wasabi set up and integrated into their Veeam Backup & Replication environment with the streamlined GUI saving days of operational overhead compared to some other cloud solutions considered.

### ABOUT WASABI

Wasabi provides simple, predictable and affordable hot cloud storage for businesses all over the world. It enables organizations to store and instantly access an infinite amount of data at 1/5th the price of the competition with no complex tiers or unpredictable egress fees. Trusted by tens of thousands of customers worldwide, Wasabi has been recognized as one of technology's fastest-growing and most visionary companies. Created by Carbonite co-founders and cloud storage pioneers David Friend and Jeff Flowers, Wasabi is a privately held company based in Boston.

### ABOUT VEEAM

With the hyper-growth and hyper-sprawl of today's data, data must become Hyper-Available. Getting there requires a new approach that merges the traditional disciplines of data backup and recovery, data protection and data security. As the leader in availability across multi-cloud environments, Veeam® is uniquely positioned to help customers along their journey to Intelligent Data Management.

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