Ransomware recovery for state and local governments

Cisco and Veeam, better together to deliver government organizations solutions to ensure the integrity and Availability of their data.

Veeam Availability Suite + Cisco UCS

Government organizations, especially state and local, are susceptible to ransomware attacks due to the critical nature of their data. They must prioritize the protection, maintenance and retrieval of their data to protect their constituents. Government reporting and funding requires 24.7.365 access to mission-critical data to avoid lapses in service, communication and interoperability between government agencies and stakeholders.

Cisco and Veeam® have collaborated to offer pre-validated configurations for the public sector based on Cisco UCS and Veeam technology.

Veeam Availability Suite™ with Cisco UCS was developed in response to the growing volume of perils of ransomware attacks. The recent increase in cyberattacks, particularly in state and local governments, should be explicitly addressed in your organization’s next formal risk assessment. These attacks have exposed gaps in processes and security tools that allow criminals to extricate growing ransom fees through untraceable cryptocurrencies.

Preconfigured solution

This architectural diagram shows how Cisco and Veeam provide a preconfigured solution with Veeam Availability Suite and Cisco UCS to recover from ransomware. There is no additional software to buy. This chart includes the most modern storage devices and Veeam Backup & Replication™ software.

Capabilities unique to Veeam + Cisco UCS

- **Data Availability**: Reduce unplanned downtime associated with ransomware with Instant VM Recovery® and file-level recovery capabilities.
- **Data-loss avoidance**: Veeam Cloud Connect helps you avoid the risk of catastrophic data loss without having to invest in infrastructure for a second site.
- **2-in-1 backup and replication™**: provides near-continuous data protection for every virtualized application.
- **Rapid restores** for mission-critical applications like Microsoft Exchange, SharePoint, SQL Server and Oracle databases.
- **Scalability and flexibility**: ready to deploy and easily scale from 36 TB and 100 VMs to over 1 PB and thousands of VMs.
- **High-speed recovery**: Instant recovery restores of a failed VM in as little as two minutes, and instant file-level recovery recovers guest OS files and folders in real time.
- **Unmatched price & performance**: Leverage enterprise-class capabilities and performance for an unmatched cost for state and local governments.
Combat ransomware with the 3-2-1 Rule

While Veeam doesn’t prevent ransomware, Veeam recommended best practice is to utilize the 3-2-1 Rule. By leveraging the advanced and unique features of Veeam Availability Suite and Cisco UCS with the 3-2-1 Rule, organizations can quickly and effectively restore critical data infected by ransomware to a compliant state. To ensure its success, follow these guidelines:

- **Three copies of data**: In addition to the primary or production data, there should be a backup copy of the data along with a copy of the backup data. Ideally, these would be stored on different physical devices.

- **Two types of media**: It is imperative to use multiple forms of media to avoid drives in the same data center from being corrupted. Veeam natively supports backup to a variety of media types, including disk, tape, backup appliances and the cloud.

- **One off-site copy**: Veeam’s advanced backup and replication capabilities make it easy to have image-based replication and backup copies on a second location either off site, on tape or in the cloud with Veeam Cloud Connect. Veeam offers WAN acceleration and encryption to provide fast and secure replication and backup copies.

A prescriptive ransomware solution

The Veeam Availability solution for Cisco UCS is a best-of-breed solution that is the answer for state and local government agencies requiring an advanced, enterprise-class data Availability solution for their virtual environments that is simple to order and manage and easily expands over time as needed. It provides fast, flexible and reliable recovery of virtualized applications and data, bringing virtual machine backup and replication together in a single solution with award-winning support.

Get started

The rate of ransomware attacks continues to increase in frequency and severity. Ensure your organization's mission-critical data is prepared to avoid the consequences of cyberattacks. To get started, visit our state and local government page by clicking the link below.

Learn more: [Solutions for State and Local Government](#).

“We chose Veeam for ease of use and reliable recovery. When the CryptoLocker virus hit, Veeam couldn’t have been easier to use or more reliable...Veeam assures us our data will be available when we need it.”

— Bob Eadie
IT System Manager
Bedford School

Read the case study