

# Data Protection Performance Optimization Checkup

## 1 Multiple production servers across our environment including data centers and ROBOs

Simplify day-to-day management by consolidating systems into one integrated solution.

Recovery time objectives (RTOs) for your ROBO servers can help you determine the best mix of on-premise and cloud data protection:



**< 3-hour RTO:** Your best bet is a combination of on-prem appliances for fast recovery at each site with replication to a data center or the cloud for data resiliency.



**> 3-hour RTO:** A cloud service alone may be more cost-effective.

## 3 A mixture of virtual and physical servers

Monitoring virtual and physical servers with one user interface simplifies management and improves efficiency. You can also recover and fail back to physical or virtual machines.

## 5 Data retention requirements of a specific number of years

### 1 YEAR RETENTION



Consider keeping it entirely on site using backup servers or appliances. For business continuity and disaster recovery as well as retention, consider replicating the data off site in the cloud. Choose a cloud-service that can restart your protected servers during a crisis.

### 2-4 YEARS RETENTION



Consider supplementing your on-prem backup and recovery appliance with cloud-based storage.

### ≥ 5 YEARS RETENTION



Tape is likely your best bet to supplement on-prem disk-based backup. For data retention that must meet industry or governmental regulations, cloud-based storage may be a better option.

## 2 Terabytes of data within the production servers

Full backups of massive amounts of data can choke bandwidth and slow operations. Incremental backups ensure that only the last data created gets backed up, shortening backup times and increasing system performance.

Is your data protection system ready for anything?



## 4 Varying downtime tolerance for each server (different levels of criticality)

Onsite backup to an appliance offers fast recovery. But you still need off-site cloud backup to keep data safe from onsite disasters.



**> 50% of servers have an RTO of < 3 hours:** You need to be able to restore locally. An on-prem turnkey appliance will give you the fastest restores as well as de-duplication and granular data recoverability.

**> 50% of servers have an RTO of > 3 hours:** Cloud protection alone may be enough— saving money by moving expenses from capital to operating. Servers requiring faster recoverability should still be backed up to an on-prem appliance with tertiary retention in the cloud.



Want to find out even more about hybrid cloud data protection?

Visit our website.

To learn more visit our [Seagate Cloud Data Protection Page](#)