



## Cohesity Windows Servers and Applications Data Protection - Solution Brief

### Solution Overview and Value Proposition

Enterprises will continue to employ a mixture of both virtualized and physical environments for their Windows applications. Physical servers are used for guaranteed SLA's and optimal performance, while virtual servers are used for maximum resource efficiency and instant provisioning. Your preferred backup solutions must support both environments, and give you the flexibility to consolidate and manage both environments in a single data protection solution.

By extending Cohesity's Data Protection platform support to include Physical Windows Servers and Applications, Cohesity now provides a broader coverage allowing enterprises to consolidate more workloads into Cohesity's Secondary Storage Platform and achieve scale and efficiency.

### Primary Advantages (versus traditional backup/restore)

Traditional backup applications perform file based backups, which walk the file system, identify the files that have changed from previous backup and backup the identified files. This is slow and time consuming for multiple reasons. Irrespective of how small or large the changes are, the entire file needs to be backed up, which consumes bandwidth as well. The more the number of files, the longer it takes to walk the file system and complete the backup. Windows Change Journal only helps with minimizing the impact of the file system walk, as the entire file needs to be copied irrespective of the number of blocks that are changes.

Cohesity's Adapter for Windows Servers and Applications leverage Change Block Tracking (CBT), to provide fast, efficient and incremental forever backups for Windows Servers and Applications. Volume Shadow Copy Service (VSS) based snapshots provide reliable, application consistent point in time copies.

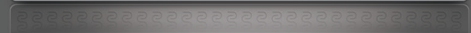
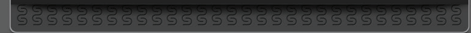
Simplified Data Protection	Consistent experience across physical and virtual workloads.
Industry Leading RPOs/RTOs with CBT and SnapFS	CBT based optimized backups allow consistent protection across workloads and allow for shorter RPOs. Instant Recoveries eliminate RTO concerns, data types or data size is no longer a factor in RTO.
Application Consistent Protection	VSS based protection ensures Application consistent protection at all times.
Granular Recoveries	Recover Mails or Mailboxes from Microsoft Exchange*, Databases or Tables from Microsoft SQL* or Objects from Microsoft SharePoint* or individual files and folders from windows servers.
Test/Dev and Cloud Mobility	Create virtual clones for Test/Dev access, migrate to cloud .

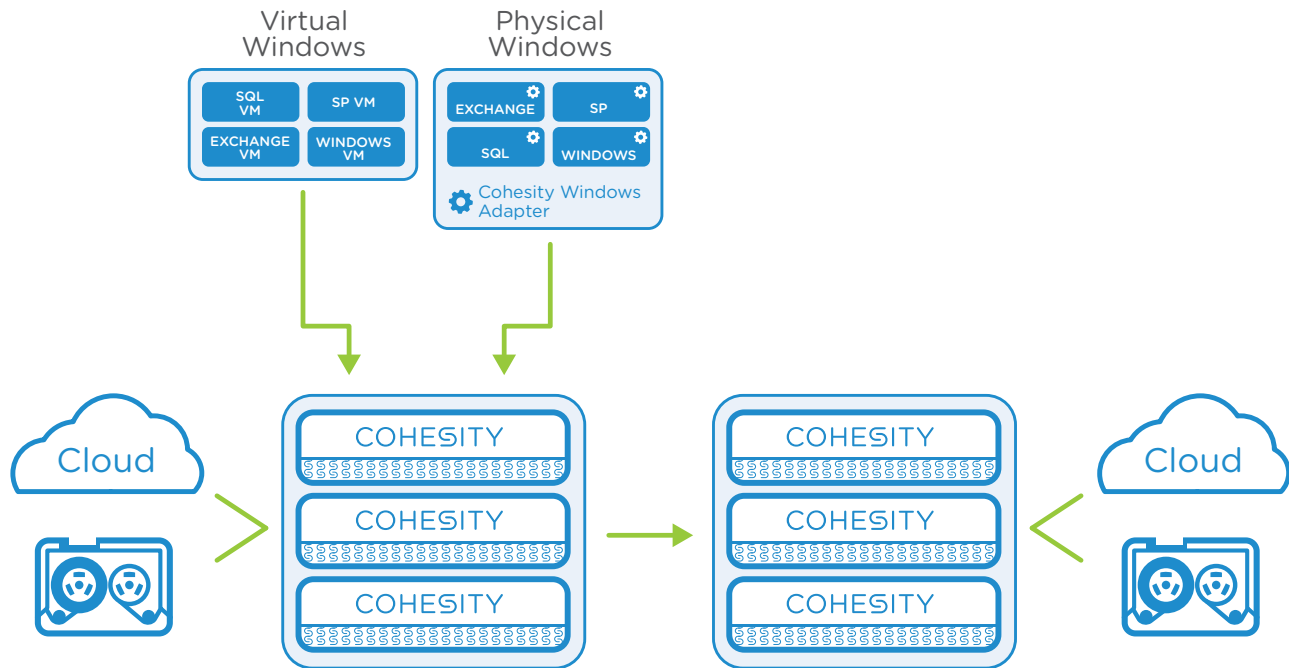
### Key Benefits

- Simplified Data Protection for Physical workloads
- Industry Leading RPOs/RTOs with CBT and SnapFS
- Granular Recoveries
- Test/Dev and Cloud Mobility

One Platform.  
Infinite Possibilities.

COHESITY





## Technical Features & Capabilities

Application consistent, Snapshot based Backups	Microsoft Volume ShadowCopy Services (VSS) Writer guarantees consistent data set for backup, providing reliable, application consistent, Point in Time (PIT) copies for backups.
Optimized Incremental forever backups	Change Block Tracking (CBT) technology allows fast, efficient backup of application data by capturing only the changed blocks.
Instant Restores	Restores are as quick as mounting a file system, the size of the volume no longer impacts the restore time, thus eliminating the RTO concerns.
File level recoveries	Global suggestive search, select and restore of files and folders provides the same level of functionality of traditional solutions.
Physical to Virtual (P2V) Mobility	Backup images are captured as VHD/VHDX images, which allows them to be cloned or migrated to Cloud targets for instant access.

## Summary:

Cohesity's Windows Servers and Application protection offers CBT based, application consistent Data Protection for your physical windows environments, and eliminates RTO challenges with its instant recovery capabilities. When combined with Cohesity's scale-out, secondary storage platform with global dedupe and zero cost snapshots, enterprises get true scale-out data protection at lower cost and complexity.

\* Leverages Kroll Ontrack PowerControls.

## About Cohesity

Cohesity delivers the industry's first solution for secondary storage consolidation. Cohesity enables companies of all sizes to bring order to their data chaos by converging storage workloads, including file services, data protection, Test/Dev, and in-place analytics, onto an infinitely scalable, intelligent data platform. With Cohesity, customers can manage and protect data seamlessly, use it efficiently, and learn from it instantly. Cohesity is headquartered in the heart of Silicon Valley, California with a global presence across the Americas, EMEA, and APAC.