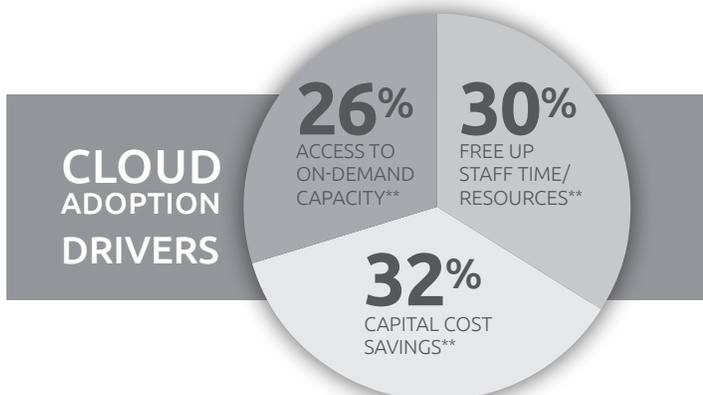


# TAKE ADVANTAGE OF THE CLOUD EFFICIENTLY AND EASILY

REAP THE BENEFITS OF MICROSOFT<sup>®</sup> AZURE<sup>™</sup> INFRASTRUCTURE  
AND STORAGE WITH SIMPANA<sup>®</sup> SOFTWARE

Today more organizations are looking to the cloud to increase agility, reduce capital costs, and free up staff time and resources – and this trend is only predicted to accelerate. You can reap the benefits of cloud infrastructure and storage thanks to the extensive integrations and capabilities of Simpana<sup>®</sup> software and Microsoft Azure. **TOGETHER, MICROSOFT AND COMMVAULT DELIVER A FLEXIBLE, SECURE AND COST-EFFECTIVE ANSWER FOR LEVERAGING THE CLOUD.**



## Executive Summary

“Microsoft and CommVault, a Microsoft Gold Certified partner and the 2014 Microsoft Server Platform Partner of the Year Award winner, have collaborated for over 15 years to provide businesses with superior data management solutions.”

**Microsoft Partner**  
2014 Partner of the Year Winner  
Server Platform

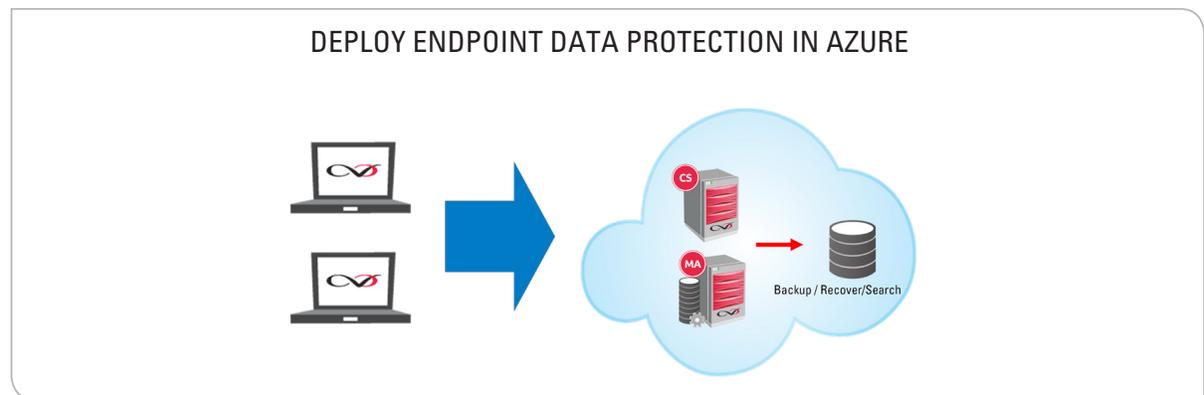
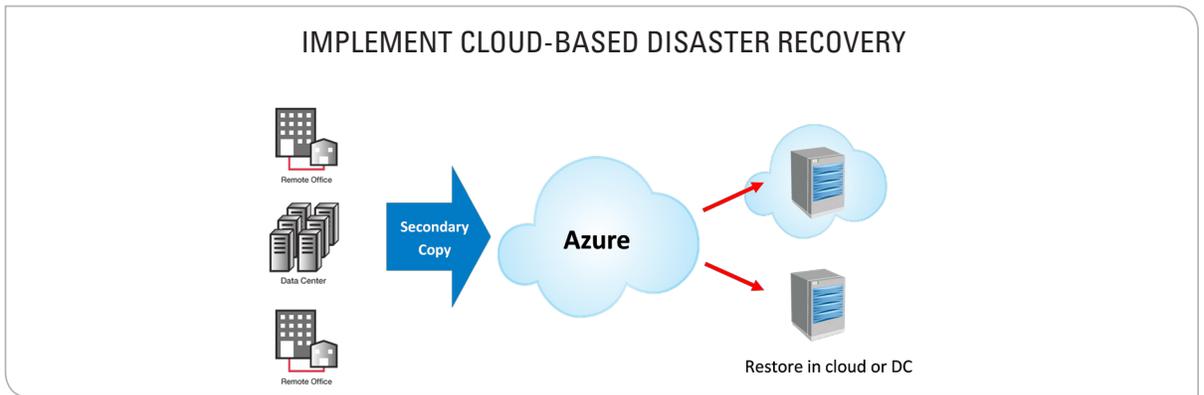
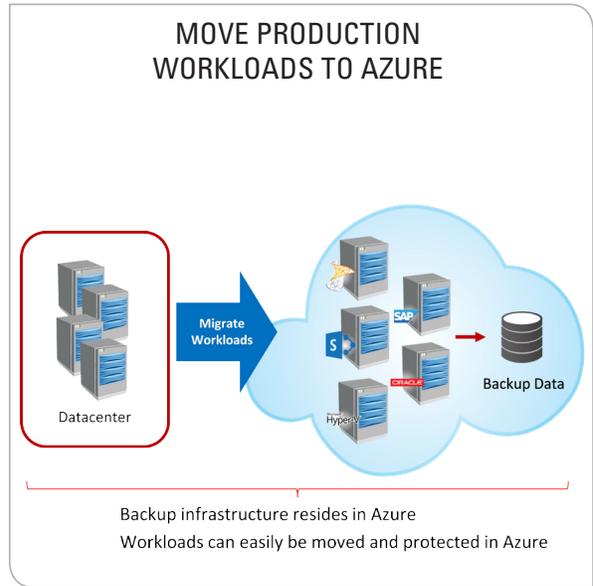
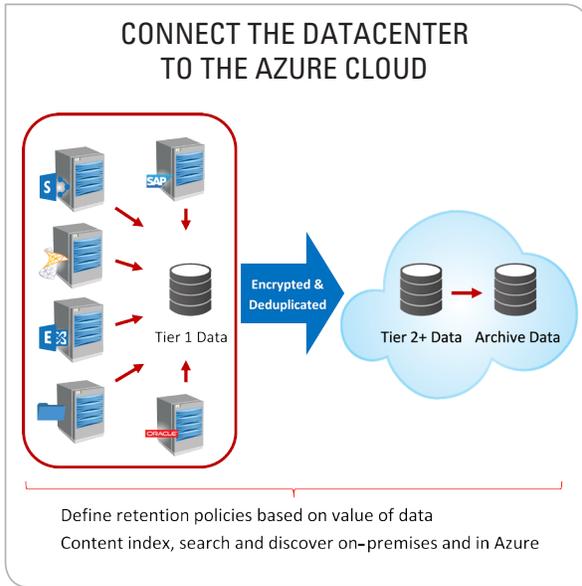
Today more organizations are looking to the cloud to increase agility, reduce capital costs, and free up staff time and resources – and this trend is only predicted to accelerate. Maybe you are considering it as well, or have had limited success with initial attempts due to the complexity and lack of integration between your on-premises operations and cloud provider. These challenges can be overcome so that you can reap the benefits of cloud infrastructure and storage thanks to the extensive integrations and capabilities of Simpana® software and Microsoft Azure. Together, Microsoft and CommVault deliver a flexible, secure and cost-effective answer for leveraging the cloud. It is a streamlined, easy-to-use solution that is designed to maximize value to your business, whether your goals are doing more with less; providing new capabilities to increase your competitive edge; enhancing business continuity – or all of the above.

Microsoft and CommVault, a Microsoft Gold Certified partner and the 2014 Microsoft Server Platform Partner of the Year Award winner, have collaborated for over 15 years to provide businesses with superior data management solutions. The two companies are continuing this track record by strengthening these solutions with the delivery of Simpana software on the Microsoft Azure cloud platform. The joint solutions enable you to protect, manage and access your heterogeneous data both on-premises and, seamlessly, in the Azure cloud with Simpana software.

With Simpana software and Microsoft Azure, it is easier than ever to move your targeted production workloads to the cloud, including VM conversion, protect them once there and maintain the access you are used to having when on-premises. It also opens up new use cases for your business like disaster recovery, endpoint data protection and test/dev in the cloud. Finally, it makes connecting on-premises and cloud data management efficient and simple, eliminating the complexity of manual processes, multiple products and scripts for off-site deduplicated copies, long-term retention, compliance and search.

By choosing to employ single platform Simpana software with Azure compute and Azure storage, your organization can gain efficiencies, be more agile, open up new ways to search and access information and ensure that your data is secure in the event of an on-premises failure or disaster.

## Common Use Cases



## 3 Key Areas Where (and How) You Can Take Advantage of Simpana® Software and Microsoft Azure Integrations

“**67%** of  
CommVault  
customers report  
faster time-to-value  
with Simpana  
Software”

### Easily and safely move production workloads to Azure

Simpana software serves as the data mover for enhancing your business efficiency and agility by simplifying and streamlining moving production workloads to Azure. To start off, Simpana software components are certified to run on Azure infrastructure. Thus, your CommServe and media agents will sit where your workloads reside. With built-in integrations for Microsoft and other applications and Azure, you can rest assured that you will be able to easily provision compute resources on Hyper-V, including the ability to convert physical and virtual servers to Azure, and ensure application-aware backup and recovery once in place. Any workload that is supported in Azure VMs is supported by Simpana – including Oracle and SAP. CommVault software can manage hybrid scenarios simply and efficiently while keeping data close to its source – cloud VMs are backed up to Azure blob storage directly and on-premises assets can be protected with local storage that can then be replicated to the cloud. It not only protects your data, but also does it securely, because the data sent to Azure is encrypted, in-flight and at rest, and the encryption keys are kept locally, helping enable you to meet compliance guidelines. Azure further boosts security by requiring the authentication and authorization of all persons and processes that request access to data.

Simpana software's cloud connector makes it easy to leverage storage in Azure and do it efficiently. You can reduce complexity and costs by writing heterogeneous data directly to blob storage natively without requiring third party physical or virtual appliances or software and by leveraging the power of source-side deduplication to reduce the volume of data transported to and stored in the public cloud. Finally, you'll be able to open up secure, anywhere access for recovering, viewing and managing data via:

- The Simpana console for authorized admins,
- A web-based portal for self-service activities for end users,
- Natively in Outlook and Window's Explorer,
- Apps for smartphones and tablets, and
- A role-based access search portal.

You can granularly search, access and consistently recover all of your data — including file servers, laptops, VMs and critical business applications like Microsoft Exchange®, SharePoint®, Lync, Active Directory, SQL Server™, Oracle, SAP and more on the flexible compute resources provided by Azure. You will simplify operations and deliver value to the business because the public cloud can be managed as an extension of your datacenter thanks to Simpana software's capabilities for enabling seamless data mobility between on-premises and the cloud.

## 2 Easily Leverage the Cloud for New Data Management Use Cases

### Disaster Recovery

With the power of Azure compute and storage and the capabilities of Simpana software working in tandem, you can leverage the cloud for new use cases to reduce risk and drive efficiency without adding complexity in your IT environment. The ability to convert physical servers and VMs into Azure and move data in a deduplicated format means you can finally set-up cost-effective off-site disaster recovery, and more importantly, test it regularly. In addition, you can further reduce costs by taking an on-premises VMware cluster, and instead of paying for additional licenses and hardware, convert it to Hyper-V in Azure for DR purposes.

### Test/Dev

Another use case that can benefit your business is leveraging Simpana software and Azure to speed development and testing cycles without the added cost of additional on-site hardware. Instead of setting up a sandbox in your data center, simply consume compute and storage in Azure as needed. Using the same solution, you can take backup copies throughout the process in case you want to roll-back and try something different.

### Laptop Backup

You may also have less critical enterprise data management initiatives that are continually placed on the back burner due to the cost or effort required to deploy in the data center, but that could move above the line if there was a more flexible way to deploy them. A prime example is the data on endpoints. Traditionally IT has avoided this initiative because of the additional resources required to be put in place for data that could have already been protected if users took responsibility and leveraged things like network shares. The sad reality, though, is that, if employees did anything, they bypassed IT in favor of adhoc and consumer-oriented solutions, like USB drives and cloud products outside IT's awareness and control. In addition, an increasingly mobile workforce has led to more critical data outside the data center on laptops. This is driving more organizations to look for a holistic way to protect the data on endpoints, but the resistance to on-premises deployment lingers. With CommVault Edge® technology and Azure you can overcome these hurdles and finally reduce business risk by efficiently protecting and centrally searching, including the ability to place data in legal hold, endpoint data while enhancing productivity with anywhere access to this information via mobile apps, natively through Windows Explorer, file sync and a web-based portal, and even add the ability to share files and folders for better, secure collaboration. Azure delivers the cost-effective infrastructure and storage and Simpana software manages the data. CommVault Edge can live exclusively in Azure, or in a hybrid infrastructure with a mix of local and cloud resources, as determined by business requirements and the characteristics of your IT environment.

### Easily Connect On-premises and Azure-based Data Management Activities

As with the endpoint use case for cloud, there are other enterprise applications where a hybrid infrastructure is desired, such as for deployments like SharePoint, SQL, Oracle, SAP and more. It is essential that the data management solution

#### SUGGESTED VIDEO >> "CommVault-Azure Cloud-based Data Management Solution"<sup>1</sup>.

Listen to how Microsoft and CommVault are extending their long standing partnership focusing on the benefits of Microsoft's Windows Azure integration with CommVault Simpana software.



WATCH

“As organizations look to build out large private and hybrid cloud environments, the data protection and data management strategy must be ready for that level of scale and efficiency in order to avoid the costly re-architecture which many IT leaders are now realizing is needed.”

“3 QUESTIONS EVERY CIO SHOULD ASK ABOUT VIRTUAL SERVER DATA PROTECTION,” COMMVAULT WHITEPAPER, FEBRUARY 2013

[VIEW FULL WHITEPAPER<sup>2</sup>](#)



you deploy is both integrated with the applications in order to ensure consistent treatment of the data and that you can easily connect to the cloud infrastructure. Simpana software does both.

In addition, there are key capabilities that enable you to more easily and cost-effectively protect, manage, access and search your data across locations from remote sites, to the data center to the cloud – without the added complexity of disparate products with separate interfaces, hardware infrastructures, training and support requirements and licensing costs. Here are a few examples:

#### **Office 365 (O365)**

Simpana Software provides enhanced data management for those that have moved some or all of their email management to O365, including integration with Exchange online to enable long-term retention, enhanced compliance, disaster recovery options and deeper views into data with content indexing. Simpana software can run in Azure compute and in tandem with on-site Exchange servers.

For those that are leveraging a hybrid model, Simpana OnePass™ technology simplifies and speeds the data collection for on-premises Exchange backup, archiving and reporting, consolidating it into a single process that can result in 2x faster protection and archive with 50% reduction in time. It also helps keep Exchange slim and trim, while maintaining end user access. A core component of the Simpana software platform is the ContentStore, which is the single repository of CommVault-managed information for all data on any storage tier, and simplifies data recovery, search and business analytics. ContentStore Mail enables organizations to centrally house all Exchange data in the ContentStore repository to essentially create infinite mailboxes. PST archiving reduces risk by collecting PST files for retention, search, eDiscovery and access even if they are stored locally on file shares and endpoint devices. Your end users can also securely search and use their archived email through a web console and natively through Outlook.

#### **File data and SQL, SharePoint and other Application Data**

For file and application data, integrated deduplication enables the ability to efficiently send a backup or archive copy of data to the cloud for retention and disaster recovery, and like the areas previously discussed, makes it easy to test DR in Azure compute. Leveraging the public cloud for archiving is one of the best use cases for it, whether it is heterogeneous data, including Lotus Notes and SAP archiving from Unix, on-premises Microsoft application data like Exchange, SQL and SharePoint, and file server and network attached storage (NAS). Simpana software can even enable archiving of data from file servers running in Azure VMs. In the case of SharePoint, Azure can also be used to more efficiently store stale and infrequently accessed data from the content database thanks to Simpana software’s support for externalized BLOB storage.

#### **Search, eDiscovery and Legal Hold**

Simpana software leverages a single, intelligent index across both backup and archive data to empower you and your business users to quickly and easily search,

classify, select, retrieve and place into legal hold all Electronically Stored Information (ESI) retained in the Simpana ContentStore – whether that is on disk, tape or the cloud. With an enhanced, native search experience that extends beyond what is included in Microsoft applications, end-users or legal and compliance teams can instantly and intuitively find what they need across the enterprise when the clock is ticking. Another benefit of Simpana software is the ability to use cloud intelligently – content-based searches can happen quickly on-premises, allowing users to positively identify the data they need and only then reach out to cloud resources to retrieve the data.

### **Security Built-in**

Simpana software keeps your data and information secure - whether it's on-premises, at the edge, or in the cloud. Built into the single platform, Simpana security features, such as encryption and remote wipe, work with deduplication, backup and archive to secure data in flight or at rest across any storage media. Within the ContentStore, granular and customizable access controls, single sign-on, encryption, alerting, and audit trails keep your information secure.

## **A Streamlined, Easy-to-Use Data and Information Management Solution**

The full spectrum of Simpana software's capabilities — including backup, disaster and granular recovery, archiving, deduplication, search, compliance and eDiscovery — is available on demand through the Azure cloud platform. It is a seamless, efficient and infinitely scalable way to manage and protect data off-premises, helping to ensure complete and easy recovery so you can keep the lights on, rapidly respond to compliance or regulatory requirements, leverage your data to make better decisions and recover in the event of an unforeseen disaster.

Microsoft Azure further reduces TCO by allowing you to perform complex, intensive tasks on demand without having to invest in processing, storage and network infrastructures. It can help you to save in the long run, too — driving efficiency for such on-going costs as IT maintenance, training, power and data storage. Best of all, the Simpana software-Microsoft Azure solution delivers flexibility and business agility by giving you the option to pay only for computing, archiving and data protection you need, when you need it, so you can scale your services up or down as needs change.

The joint solution provides businesses of all sizes the capabilities for more performance and control over their data, allowing them to protect, manage and access their data assets quickly, simply and affordably, both on-premises and in the cloud.

To learn more about Simpana® software and solutions for the Cloud, Disaster Recovery and more, please visit [commvault.com](http://commvault.com).

For more information on CommVault and Microsoft, please visit [commvault.com/microsoft](http://commvault.com/microsoft) and [microsoft.com/commvault](http://microsoft.com/commvault).

For more information about the Microsoft Azure platform, please visit <http://azure.microsoft.com>.

### **SUGGESTED READING >>**

**“Simpana Software with Microsoft Azure Datasheet”<sup>3</sup>.**

CommVault Simpana has paired with Microsoft Windows Azure to deliver a flexible, secure, and cost-effective solution for data management both on-premises and in the cloud. To learn more about the benefits of this pairing, read this datasheet.



READ

### Resources

- <sup>1</sup> [commvault.com/resource-library/1321/commvault-azure-data-management-solution-video.flv#](http://commvault.com/resource-library/1321/commvault-azure-data-management-solution-video.flv#)
- <sup>2</sup> [commvault.com/resource-library/1087/cio-guide-to-virtual-server-data-protection-whitepaper.pdf](http://commvault.com/resource-library/1087/cio-guide-to-virtual-server-data-protection-whitepaper.pdf)
- <sup>3</sup> [commvault.com/assets/data-management-with-simpana-and-windows-azure-datasheet.pdf](http://commvault.com/assets/data-management-with-simpana-and-windows-azure-datasheet.pdf)



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