

Simplified data resilience for Microsoft Azure cloud



Key IBM benefits

- **Unified management and visibility across on-prem and cloud environments with one single platform.**
 - **Effective data backup, fast recovery, and reuse for workloads running in Azure.**
 - **Fully automated deployment from the Azure Marketplace.**
 - **Optimized protection and recovery of Microsoft 365, applications and databases.**
 - **Lower capex / opex with automated data offload to cost-effective storage such as Azure Blob standard and archive storage tiers.**
 - **Flexible deployment options include all in the cloud or hybrid cloud.**
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Data resilience in the hybrid cloud era

According to IDC, data volumes will grow from roughly 45 zettabytes in 2019 to 143 zettabytes in 2024¹, a 26% Compound Annual Growth Rate (CAGR). This data will be created, captured, copied, consumed and hosted in the cloud and on-premises.

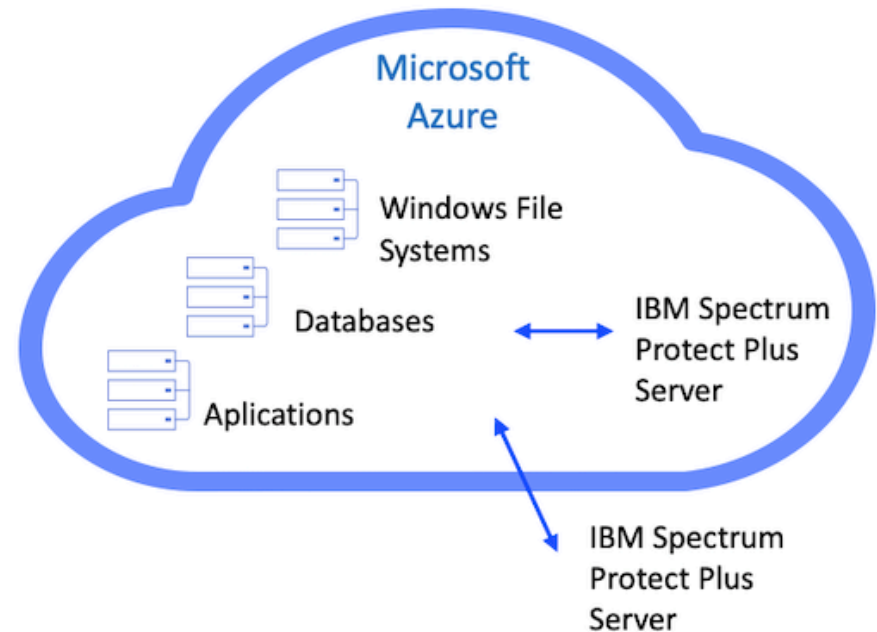
IDC also estimates that by 2024, over 50% of all IT spending will be directly for digital transformation and innovation (up from 31% in 2018) to nearly \$7.1 trillion². Enterprises will accelerate the adoption of public cloud and multicloud storage along with on-premises systems to accommodate growing amounts of data generated and captured for digital transformation initiatives. As a result, more storage software tools will be needed to transport, manage, analyze, and protect these data assets.

The shift to a cloud-based data protection model is also well underway. Nearly three-quarters (73%) of the respondents in an ESG Research Insight report called out data protection modernization as a top-five IT priority.³

Modern data resilience solutions explicitly designed to operate both on-premises and in the cloud have become essential. Data protection requirements have evolved from merely data backup and recovery solutions to a new data resilience approach that provides continuous access to data no matter where it resides while protecting critical information in the event of a system failure, human error, malicious behavior, or a natural disaster.

Why IBM Spectrum Protect Plus on Azure cloud?

A comprehensive data resilience solution designed to work across hybrid environments can minimize the complexity and costs of managing data, especially at the scale required today. IBM Spectrum Protect Plus on Azure streamlines hybrid workflows with a single pane of glass to provide end-to-end data resilience, application-consistent backup, rapid recovery, and efficient data reuse for application workloads, including Microsoft 365, and databases such as Microsoft SQL, Oracle, IBM Db2, and MongoDB running on-premises or in IBM Cloud, Amazon Web Services (AWS), and Microsoft Azure



Easy-to-use SLA policies give administrators control over how workloads are managed and protected. Using predefined or custom policy workflows, administrators can specify the frequency of backups and direct where backups are stored. They can also establish a single set of policies that work across a hybrid environment.

IBM Spectrum Protect Plus is designed to ensure fast recovery, so companies are protected from the potential revenue and reputational risks related to extended downtime and operation losses. Storage efficiency features such as incremental forever backup, deduplication, and compression technologies, along with storing protected data in native format, enables both low cost from a storage standpoint and instant access for recoveries. Administrators can rapidly restore operations as well as quickly enable data reuse.

In addition, IBM Spectrum Protect Plus on Azure delivers replication capabilities that enhance cyber resilience and disaster recovery.

IBM Spectrum Protect Plus for Microsoft Azure	
Data Protection	Back up, recover, and reuse Oracle, Microsoft SQL Server, IBM Db2, MongoDB, Microsoft 365, Exchange Online and OneDrive.
Replication / Recovery	Replicate data to the cloud or in the cloud Utilize the cloud as a disaster recovery site for the IBM Spectrum Protect Plus server
Data Copy / Archival	Azure Blob Storage hot and archive access tiers
Data Reuse	DevOps Analytics Reporting Automated DR testing

One of the key advantages of the IBM's data resilience portfolio is the flexibility that it offers. IBM Spectrum Protect Plus provides flexible deployment options; it can be deployed within Azure for an "all in the cloud" data protection experience and it can also be utilized in hybrid cloud environments, protecting Azure cloud workloads even if the platform is orchestrated from an on-premises infrastructure.

To make it simple to deploy, IBM Spectrum Protect Plus is available as a supported Azure Marketplace solution. This delivery option provides access to best practices and reference architectures to optimize IBM Spectrum Protect Plus in the Azure cloud while delivering a consistent management experience that supports end-to-end data resilience.

As companies start their journey to hybrid cloud, they must modernize infrastructure to protect and manage data growth and cloud-based workloads. IBM Spectrum Protect Plus on Azure delivers a simplified and flexible data management foundation for companies to drive efficiencies and cost reductions while continuing to innovate.

To learn more about IBM Spectrum Protect Plus on Azure and try the software free for 30 days, visit the [Azure Marketplace](#).

¹ Worldwide Global DataSphere Forecast, 2020–2024. Apr 2020 - Market Forecast - Doc # US44797920

² Worldwide Storage Software Forecast, 2020–2024: Revenue to Take a Hit Before Rebounding Through Data Protection and Multicloud Systems. July 2020, IDC #US46723320.

³ ESG Research Insights Paper, "Trends in Modern Data Protection", Commissioned by IBM, March 2019

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