Hadoop for Hybrid Cloud

Hortonworks and Microsoft enable seamless implementation of Apache Hadoop for a Hybrid Cloud for Big Data. Through our partnership we provide interoperability, portability and the flexibility to build and deploy Hadoop for hybrid cloud architecture.

**KEY USE CASES**

**DEVELOP/POC**
Quickly test new applications, technologies or concepts on a smaller subset of resources without having to commit to on-premises infrastructure.

**BACKUP/ARCHIVE**
Automatically upload data for backup and seamlessly archive in Azure Blob Storage.

**BURSTING**
Efficiently manage workload volatility, surges of user activity and data while maintaining SLA's. Handle peak workloads in a completely interoperable environment.

**INTEROPERABILITY, FLEXIBILITY, AND PORTABILITY**
Through our joint engineering partnership, Microsoft and Hortonworks have built HDP for Windows, a native Apache Hadoop open source distribution. Enterprises have the widest choice of operating systems and infrastructure deployment platforms with seamless interoperability for both PaaS and IaaS cloud deployment models.

**MISSION CRITICAL CAPABILITY AND BUSINESS CONTINUITY AT CLOUD SCALE**
Microsoft and Hortonworks enable on-premises Hadoop deployments to gain the benefit of mission critical scale and redundancy with Microsoft Azure cloud. Customers can backup their on-premises data as well as leverage the elasticity of the cloud to scale-out during peak demand.

**ACCESSIBILITY TO CLOUD ANALYTIC SERVICES**
By leveraging the power of Microsoft Azure, customers have access to advanced analytics and data services available to them from the cloud. New types of data can be processed with Microsoft HDInsight and the Hortonworks Data Platform. Enterprises can leverage the power of Microsoft Azure Machine Learning to predict future trends or behavior without needing a deep data science background. Or Microsoft Azure Data Factory can be used to orchestrate and curate data through simple, fault tolerant data pipelines.

Learn more: [www.hortonworks.com/partner/microsoft](http://www.hortonworks.com/partner/microsoft)  
Microsoft Azure is an open and flexible cloud platform that enables you to quickly build, deploy, scale, and manage applications across a global network of Microsoft data centers. You can build applications using multiple languages, tools, and frameworks.

**KEY USE CASES**

**WEB APPLICATIONS**
Build anything from lightweight websites to multi-tier cloud services that scale up as your traffic grows.

**CLOUD STORAGE**
Rely on geo-redundant cloud storage for backup, archiving, and disaster recovery.

**BIG DATA & HPC**
Get actionable insights from your data by taking advantage of a fully compatible enterprise-ready Hadoop service.

**MOBILE**
Accelerate your mobile app development by using a backend hosted in Microsoft Azure. Scale instantly as your install base grows.

**MEDIA**
Create, manage, and distribute media in the cloud – everything from encoding to content protection to streaming and analytics support.

**FLEXIBLE APPLICATION MODEL**
Microsoft Azure provides a rich set of application services, including SDKs, caching, messaging, and identity. You can write applications in .NET, PHP, Java, node.js, Python, Ruby, or using open REST protocols. This is all part of Microsoft’s promise to let you build using any language, tool, or framework.

**ALWAYS ON, ALWAYS HERE**
Build resilient applications with automatic operating system and service updating, built-in network load balancing, and geo-redundant storage. Microsoft Azure also proudly delivers a 99.95% monthly SLA. You can rely on decades of experience in data center operations and trust that everything Microsoft Azure offers is backed by industry certifications for security and compliance.

**DATA CENTER WITHOUT BOUNDARIES**
Microsoft Azure makes it easy for you to integrate your on-premises IT environment with the public cloud. Migrate your virtual machines to Microsoft Azure without the need to convert them to a different format. Use the robust messaging and networking capabilities in Microsoft Azure to deliver hybrid solutions, and then manage your hybrid applications from a single console with Microsoft System Center.

**GLOBAL REACH**
With data centers around the globe, a massive investment in data center innovation, and a worldwide Content Delivery Network, you can build applications that provide the best experience for users, wherever they are.

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