

SOLUTION DATASHEET EQUINIX AND DATAPIPE HYBRID IT SOLUTION FOR MICROSOFT AZURE

Microsoft Azure Adoption Challenge

Government organizations and corporations of all sizes use Microsoft Azure to drive their critical business operations. Azure, by providing elastic compute and storage, dynamically meets IT needs while significantly reducing the total cost of operation (TCO). Deploying a cloud-based IT platform reduces IT capital and operational costs and also frees staff for other activities. Concerns like the ones below have caused some organizations to limit their use of Azure to non-mission-critical applications and workloads:

- **Secure Connection and Storage for Sensitive Data with Azure** - Organizations moving sensitive or regulated data need a secure and reliable means to not only move large amounts of data across the public Internet, but also securely storing it.
- **Dedicated Connection to Azure for Complex Workloads** - For complex workloads, such as high-performance databases, organizations need a low-latency, high-bandwidth connection to Azure.
- **User Quality of Experience (QoE)** - Consistent application performance without complexity in a Software as a Service (SaaS) environment must be responsive and reliable for all users across a global enterprise.
- **Need for Cloud Migration Expertise** - Many IT organizations lack the resources and skill set to develop a comprehensive cloud migration assessment and deployment strategy.

Deploy Hybrid IT

Organizations are increasingly choosing to deploy hybrid IT to maximize the performance of mission-critical applications, and leverage a dynamic compute and storage infrastructure to accommodate production peaks, even as they can reduce IT operating costs. Business applications benefit from the security, customization and reliability of an on-premise data center plus the cost benefits of a flexible public cloud. Adopting a hybrid IT strategy delivers a hyper-scale Azure public cloud along with deployment of private clouds based on Hyper-V and Microsoft Azure Pack.

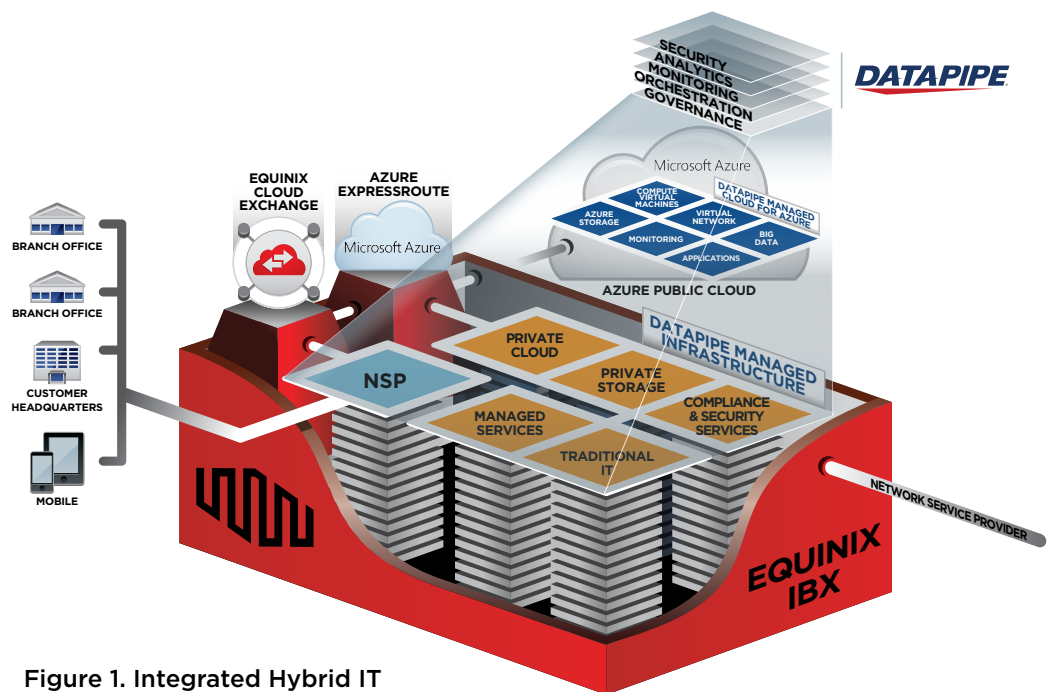


Figure 1. Integrated Hybrid IT

Benefits of Hybrid IT

By deploying a node in an Equinix International Business Exchange™ (IBX®) data center, organizations can strike the right balance between the

Azure public cloud and still leverage the private cloud on Hyper-V via the Equinix Cloud Exchange™ interconnection platform. This approach offers the best of the hybrid IT model, with Datapipe managing a secure private cloud in an IBX colocation data center with direct access, via high-bandwidth, low-latency Microsoft ExpressRoute to Azure.

- **Secure Connection** - Sensitive customer data transferred via ExpressRoute private connectivity to Azure eliminates the security risk and unreliability of the public Internet.
- **Direct Connection** - High bandwidth with low-latency access to Azure enables organizations to run the types of complex databases and SaaS applications that require significant performance and scale of compute resources for processing.
- **Improved QoE** - High-bandwidth, low-latency connectivity ensures the highest levels of application performance and QoE with greater consistency.
- **Accelerated Cloud Adoption** - To accelerate Azure cloud adoption, many enterprises are turning to the managed service providers who offer the expertise to create on-demand highly available, resilient hybrid solutions utilizing Azure.

SOLUTION DATASHEET

EQUINIX AND DATAPIPE

HYBRID IT SOLUTION FOR MICROSOFT AZURE



Solution Overview

The hybrid IT solution for Azure offers organizations the components and experts that they need to implement hybrid IT scenarios, including ExpressRoute deployments allowing private direct access to Azure through Datapipe managed infrastructure for Azure located in Equinix IBX data centers.

Solution Components

- Datapipe managed services for Microsoft Azure
- ExpressRoute connection to Azure via the Equinix Cloud Exchange
- Equinix IBX data centers worldwide with private access to Azure

Common Use Cases

Organizations are deploying hybrid IT to maximize the performance of workloads and applications, such as:

- **Compliant Solutions** - With hybrid IT, sensitive data is protected in a Datapipe managed private cloud or physical environment, while public cloud compute resources can be accessed as needed.
- **Complex Database Environments** - Datapipe offers integrated managed solutions that address all aspects of end-to-end hybrid infrastructures, including Azure environments, ExpressRoute, highly available database components, governance and controls spanning the entire enterprise IT environment.
- **Cloud Disaster Recovery** - A hybrid IT model allows organizations to maintain mission-critical applications in a secure Datapipe-managed private cloud or physical environment while using the public cloud for Disaster Recovery services.

These applications benefit from the security and reliability of private cloud and on-premise data centers, as well as the scalability and flexibility of the Azure public cloud.

Solution Availability

The hybrid IT Solution for Azure is currently available to customers in Equinix IBX and Datapipe data centers that offer access to Azure via ExpressRoute in San Jose and New York, and is expected to be available soon in Washington DC, London, Frankfurt, Amsterdam, Hong Kong and Singapore.

More Information

To learn more about hybrid IT, contact your Equinix or Datapipe representative, or visit www.equinix.com and www.datapipe.com.

DATAPIPE

Overview

Datapipe provides managed services for hybrid IT including public and private clouds and dedicated hosting.

Equinix and Datapipe

Together Equinix and Datapipe give organizations an integrated solution – a hybrid IT Solution for Azure comprising seamless, automated, on-demand technology and service components that accelerates Azure cloud adoption.

Datapipe Managed Cloud for Azure

As a Managed Service Provider and a Microsoft COSN Partner, Datapipe helps organizations maximize their investment in an Azure-centric IT strategy.

Plan

- Application analysis and prioritization for Azure deployments
- Solution design and future-state architecture, including hybrid configurations
- Migration strategy and execution plan

Build

- Automated deployment of multi-region scalable Azure environments
- Deploy security controls and establish governance model
- Testing and performance optimization

Run

- Customer-defined Escalation Action Plan
- On-going performance monitoring and cost optimization
- Decommissioning of legacy environments