

# SOLUTION DATASHEET

## EQUINIX, DATAPIPE AND SCIENCELOGIC

### HYBRID IT SOLUTION AND MONITORING FOR AWS

#### AWS Cloud Adoption Challenges

Corporate and government organizations of all sizes use Amazon Web Services (AWS) to access on-demand IT resources that support their critical business operations. AWS enables quick access to applications, rapid scale to meet demand, and lower infrastructure, energy and facility costs while freeing IT staff to focus on more strategic activities. However, use of AWS is often limited to non-mission-critical applications and workloads due to concerns such as:

- **Secure Connections for Sensitive Data** - Organizations moving sensitive financial, health or government-regulated data have concerns about where data is stored and how to maintain the security of data across the public Internet.
- **Inconsistent User Quality of Experience (QoE)** - As QoE increasingly becomes a measure of success, organizations must ensure application performance and availability as they manage data growth.
- **Need for Cloud Migration Expertise** - Many organizations lack the knowledge and experience to determine how and what to migrate to the cloud.

#### Deploy Hybrid IT

More and more organizations are choosing to deploy hybrid IT to maximize the performance of mission-critical applications. These applications benefit from the security and reliability of the private cloud and on-premise data centers, as well as the scalability and flexibility of the public cloud. Adopting hybrid IT allows organizations to use the public cloud where it makes sense, to create private clouds to support certain application types, and to place applications in close proximity to users to ensure rapid response times.

#### Benefits of Hybrid IT

Deploying hybrid IT in an Equinix International Business Exchange™ (IBX®) data center allows organizations to use the Equinix Cloud Exchange™, an advanced interconnection platform, to strike the right balance between the AWS public cloud and private clouds. Mission-critical applications can be kept in a secure Datapipe-managed environment with monitoring of on-premises and off-premises resources using the ScienceLogic CloudMapper™ solution to ensure the needed bandwidth, application uptime and availability for low-latency access to AWS.

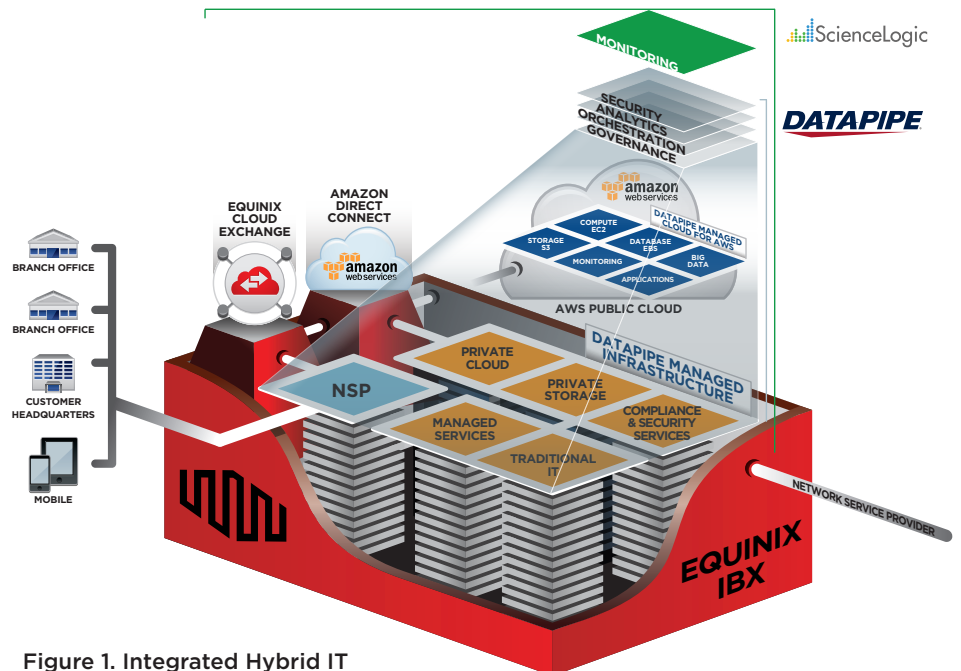


Figure 1. Integrated Hybrid IT

- **Secure Connection and Data Access** - Sensitive customer data transferred via AWS Direct Connect private connectivity to AWS through Datapipe-managed services avoids the public Internet. While, ScienceLogic ensures that individuals within the organization see only the data that they are entitled to see with built-in multi-tenancy.
- **Direct Connection** - Direct bandwidth for low-latency access to AWS enables organizations to run complex databases that require significant performance and scale of compute resources for processing. This also allows mapping of cross-technology and cross-cloud dependencies to ensure efficient use of both public and private cloud resources.
- **Improved QoE** - High bandwidth, low-latency connectivity ensures the highest levels of application performance and QoE with greater consistency, availability and visibility of cloud-based- and legacy converged-infrastructures (such as NetApp Flexpod).
- **Accelerated Cloud Adoption** - To accelerate AWS cloud adoption and the overall efficiency of their networks, many enterprises are turning to managed service providers and monitoring solutions that can help them create on-demand, highly available, resilient hybrid IT solutions utilizing AWS.

**Solution Overview**

The Hybrid IT Solution for AWS provides the components that allow for greater cloud services adoption, including hybrid IT deployments and private direct access to AWS through Datapipe-managed infrastructure for AWS located in Equinix IBX data centers.

**Solution Components**

- Datapipe Managed Services for AWS
- ScienceLogic CloudMapper Hybrid IT Monitoring Solution
- AWS Direct Connect connection to AWS via the Equinix Cloud Exchange
- Equinix IBX data centers in eight markets with AWS

**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 monitored by ScienceLogic solutions and protected in a Datapipe-managed private cloud or physical environment. Public cloud compute resources can be accessed as needed.
- **Complex Database Environments** - Together, Datapipe and ScienceLogic offer integrated managed solutions and monitoring for end-to-end hybrid infrastructures encompassing AWS environments, Direct Connect, highly available database components and governance controls around the entire environment.
- **Cloud Disaster Recovery** - A hybrid IT model with ScienceLogic's CloudMapper™ solution allows organizations to maintain mission-critical applications in a secure Datapipe-managed private cloud or physical environment, including monitoring and employing the public cloud for disaster recovery and data management 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 AWS cloud.

**Solution Availability**

The Hybrid IT and Monitoring Solution for AWS is available to customers in Equinix IBX data centers connected to Datapipe and ScienceLogic services through the Equinix Cloud Exchange in the following AWS Direct Connect regions:

	United States			Europe		Asia-Pacific		
	US East (Virginia)	US West (NorCal)	US West (Oregon)	EU West (Ireland)	EU East (Frankfurt)	Singapore	Tokyo	Sydney
Equinix	✓	✓	✓	✓	✓	✓	✓	✓
Datapipe	✓	✓	✓	✓	✓	✓		
ScienceLogic	✓							

**More Information**

To learn more about hybrid IT, visit [equinix.com](http://equinix.com), [datapipe.com](http://datapipe.com) and [sciencelogic.com](http://sciencelogic.com).



**Overview**

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


**Equinix and Datapipe**

Equinix and Datapipe give organizations an integrated solution – a Hybrid IT Solution for AWS comprised of seamless, automated, on-demand technology and service components – that accelerates AWS cloud adoption.

**Datapipe Managed Cloud for AWS**

As a managed service provider and an AWS Premier Consulting Partner, Datapipe helps organizations maximize the value of AWS by:

- Developing hybrid IT solution designs and future state architectures
- Planning migration strategies and execution plans
- Building automated deployment of multi-region scalable AWS environments
- Deploying security controls and establishing governance models
- Running customer-defined Escalation Action Plan



**Overview**

ScienceLogic delivers the next generation IT monitoring platform for the network of everything.

**Equinix and ScienceLogic**

Equinix and ScienceLogic help simplify and ease the enterprise migration to Hybrid IT Monitoring Solutions for AWS by providing security, visibility and control over how enterprises migrate and manage enterprise applications and workloads.