



Fact Sheet

HP Simplifies Cloud Data Center Interconnectivity, Increases Client Agility

Company delivers first “single touch” deployment of network interconnectivity between geographically dispersed data centers

Overview

Enterprises looking to achieve increased agility for disaster recovery or business continuity must invest in months of manual configuration tasks and redesign of legacy networks to connect data center locations in order to move virtual machine workloads between them.

The [HP Ethernet Virtual Interconnect \(EVI\)](#), a new [HP Virtual Application Network](#) solution, enables IT staff to simplify the interconnectivity of up to eight geographically dispersed data centers. As a result, clients can improve disaster recovery capabilities and quickly respond to changing market conditions by easily moving virtual machines in minutes without network delay to any data center location.

Additionally, [HP Multitenant Device Context \(MDC\)](#) software enables clients to create separate lines of resource accessibility and communication within a single platform or physical switch, delivering multitenant security for virtual and private cloud data centers.

Simplifying data center connectivity with HP Ethernet Virtual Interconnect

The new HP EVI is the industry’s only⁽¹⁾ [Data Center Interconnect \(DCI\)](#) overlay technology to provide “single touch” connection of up to eight data centers around the world from one location. Clients can optimize server and storage resources by linking the HP EVI software built into the networking switch between data centers to move virtual machines, such as Microsoft® Exchange or instant messaging workloads, from one data center to another in case of a natural disaster or new market opportunity.

HP EVI can be deployed over any network including internet, private IP network or multiprotocol label switching (MPLS) in minutes with five simple steps per data center location. Customers also can connect a new data center to their existing set of HP EVI data centers with a few simple configuration steps to automatically synchronize all sites.

Additional benefits of HP EVI include:

- Reduced manual command line interfaces (CLI) configuration from hundreds of steps to five⁽¹⁾
- Simplified DCI management with HP Intelligent Management Center (IMC), a single-pane-of-glass management platform across virtual and physical networking environments
- Enhanced network resiliency by combining HP EVI with the capabilities of HP Intelligent Resilient Framework (IRF), an HP innovation that allows multiple switches to be virtualized and operated as a single switch
- Accelerated virtual machine migration between data centers, improving disaster recovery by up to 80 percent⁽¹⁾

Improving multitenancy across data centers with HP Multitenant Device Context

The new HP MDC software enables a single physical switch to be partitioned to create four virtual logical switches across the data center network. With HP MDC, clients can optimize their networking resources for multiple secure isolated department functions like finance, human resources and engineering, while reducing the number of network devices in the data center by 75 percent.⁽¹⁾

Additional benefits of HP MDC include:

- Rapid allocation of resources with separate lines of accessibility and communication (multitenant capabilities) with one physical switch
- Lowered total cost of ownership by up to 56 percent⁽¹⁾

By combining HP EVI with HP MDC, customers benefit from simplified and faster data center interconnectivity over any existing network, while reducing total cost of ownership with a single management platform based on HP FlexNetwork architecture.

Pricing and availability

HP Ethernet Virtual Interconnect and HP Multitenant Device Context are expected to be available starting in Fall 2012 as software upgrades for the HP FlexFabric core switches.⁽²⁾

Additional information about HP Networking solutions is available at www.hp.com/go/networking.

(1) HP internal research

(2) Estimated U.S. list price. Actual price may vary.

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