FusionHub
SpeedFusion Virtual Appliance

peplink

FusionHub

vmware · **CITRIX XenServer** · **VirtualBox**

SUPPORTED HYPERVISORS

Extend SpeedFusion to Your Cloud

FusionHub is the new virtual SpeedFusion appliance from Peplink. With FusionHub, you can establish SpeedFusion connections between cloud servers and physical Peplink devices.

FusionHub runs on nearly all mainstream virtual machine software including VMware, Citrix XenServer and Oracle VirtualBox.

The Benefits of FusionHub

SpeedFusion™
Bonding Technology

UNBREAKABLE
VPN

Bandwidth Aggregation

Connect to your cloud server with the combined speed of all your WAN links. Enjoy faster Internet access by using your server's high-throughput connection.

✓ **Remote Streaming**: Stream videos and transfer large files quickly, even in remote areas with limited Internet access.

✓ **Combine Different Sources**: DSL, MPLS, 3G, 4G LTE: use them all together to increase your bandwidth.

Session Persistence

Combine any type of connection from multiple ISPs to create a highly available connection between your device and your FusionHub. This connection will provide unbreakable VPN.

✓ **Packet-Level Seamless Failover**: Even when a WAN link fails, your sessions will stay active. VoIP calls will continue without interruption.

✓ **Cellular Backup Connections**: Set bandwidth-limited links (3G/4G LTE) to perform hot failover in case your primary link fails.
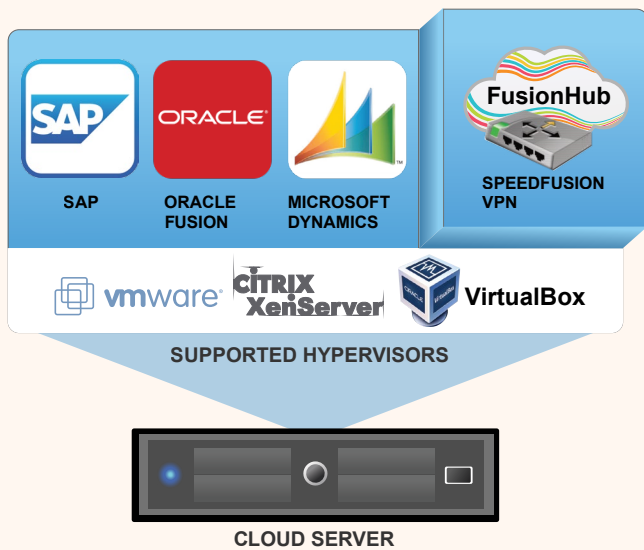
Deploy on Any Cloud Server

Use FusionHub in private, public, and hybrid clouds. Deploy FusionHub anywhere at a moment's notice. Establish as many FusionHubs as you need to support your customers.

✓ **Local and Remote Deployment**: Deploy in your local datacenter or remotely in a public cloud without needing new hardware.

✓ **InControl 2 Central Management**: All FusionHub instances can be centrally managed with a single interface using InControl 2.

FusionHub for Enterprise

Power up Your Business Apps With SpeedFusion

SAP | **ORACLE FUSION** | **MICROSOFT DYNAMICS** | **SPEEDFUSION VPN**

vmware | **CITRIX XenServer** | **VirtualBox**

SUPPORTED HYPERVISORS

CLOUD SERVER

Combine multiple commodity links from different ISPs to create an unbreakable connection to your most important enterprise applications.

✓ **Faster Applications**: Access your applications using combined bandwidth.

✓ **Session Persistence**: Maintain session integrity even when WAN connections break.

✓ **Pay as You Grow Pricing**: Save on initial capital expenditures. Grow your network affordably.

Enterprise Deployments

Branch Office VPN
Remotely access head office resources with the same bandwidth and reliability as a local user.

Faster Internet via Datacenter
Route remote site traffic over SpeedFusion for centralized Web filtering or to take advantage of high-speed Internet links at the main site.
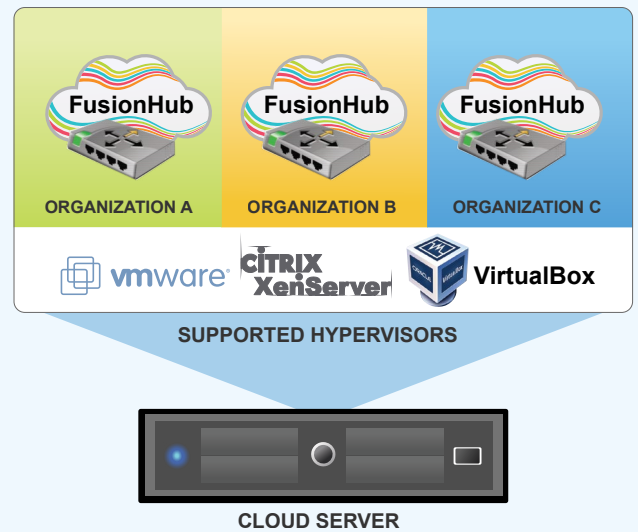
Upload HD Video on 4G LTE
Bond multiple 4G LTE connections for fast HD video uploads to your cloud-based datacenter.

FusionHub for MSP

Provide SpeedFusion to Your Customers

ORGANIZATION A | **ORGANIZATION B** | **ORGANIZATION C**

vmware | **CITRIX XenServer** | **VirtualBox**

SUPPORTED HYPERVISORS

CLOUD SERVER

Run multiple instances of FusionHub in your datacenter or cloud infrastructure to provide each customer with their own SpeedFusion enabled cloud server.

✓ **Add Value to Your Existing Services**: Add SpeedFusion to your services to make them faster.

✓ **Solve Connectivity Issues**: Use bandwidth bonding to provide fast Internet to places with poor Internet access.

✓ **Offer Unbreakable VPN**: Provide highly available redundant site-to-site VPN connectivity using cheap commodity Internet connections.

MSP Deployments

Offer SpeedFusion as a Service
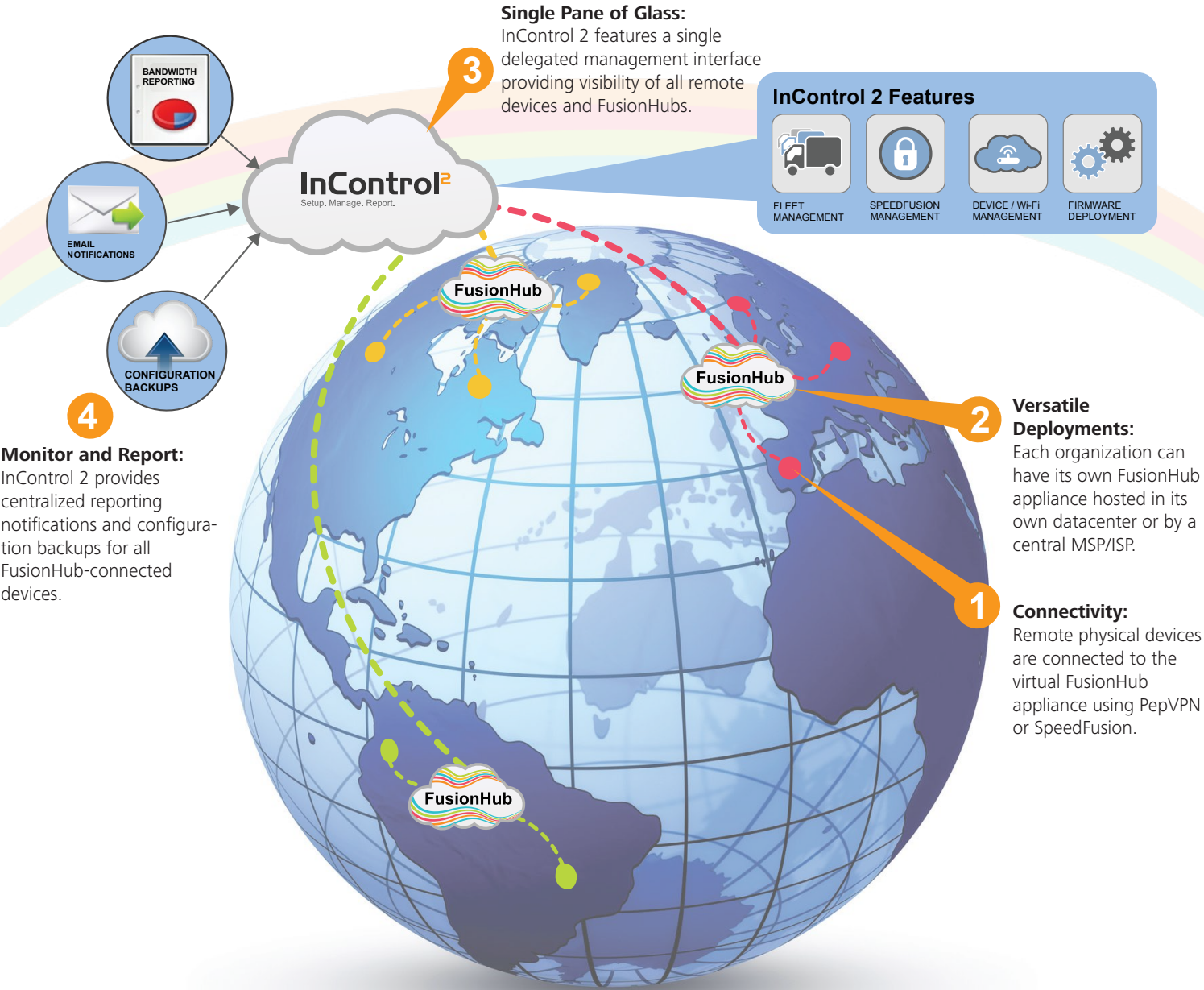

Run multiple FusionHub virtual appliances to provide separate SpeedFusion WANs for your customers.

Unlimited Scalability

FusionHub 1 **FusionHub** 2 **FusionHub** 3 • • • **FusionHub** n
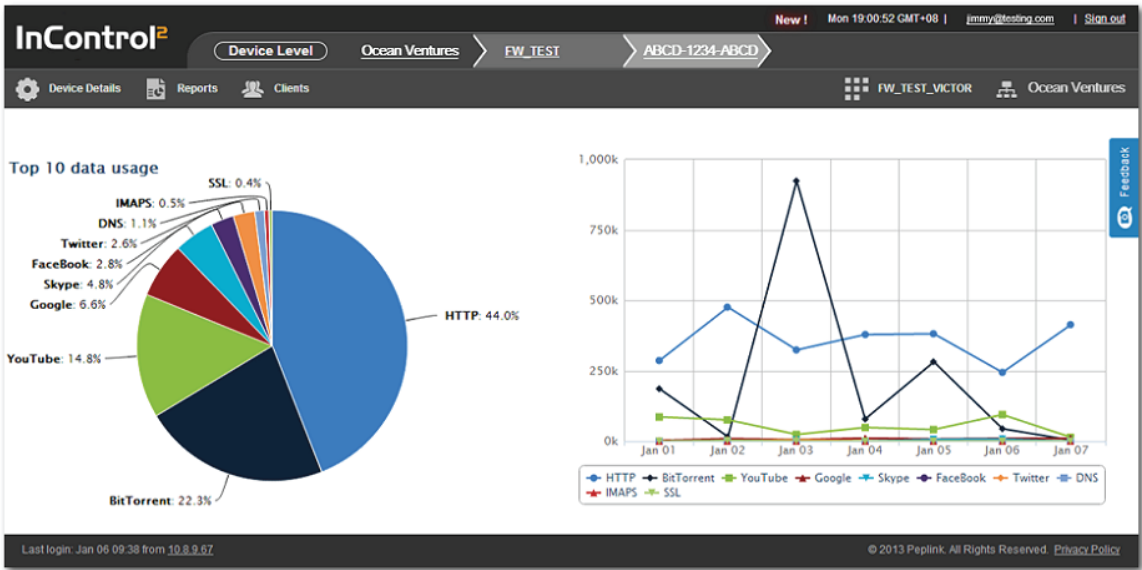
Managed by **InControl²**
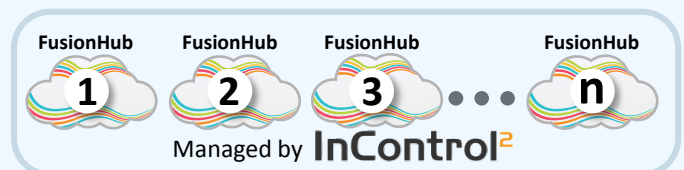
Run as many FusionHubs as you need and manage them using InControl 2. Pay as you grow with pricing based on throughput and the number of peers connected.

FusionHub and InControl 2

Infinitely Scalable Architecture

BANDWIDTH REPORTING

EMAIL NOTIFICATIONS

CONFIGURATION BACKUPS

4

Monitor and Report:
InControl 2 provides centralized reporting notifications and configuration backups for all FusionHub-connected devices.

3

InControl²
Setup. Manage. Report.

Single Pane of Glass:
InControl 2 features a single delegated management interface providing visibility of all remote devices and FusionHubs.

InControl 2 Features

FLEET MANAGEMENT	SPEEDFUSION MANAGEMENT	DEVICE / Wi-Fi MANAGEMENT	FIRMWARE DEPLOYMENT

FusionHub

FusionHub

FusionHub

2

Versatile Deployments:
Each organization can have its own FusionHub appliance hosted in its own datacenter or by a central MSP/ISP.

1

Connectivity:
Remote physical devices are connected to the virtual FusionHub appliance using PepVPN or SpeedFusion.

Deep Client Insight

InControl² | Device Level | Ocean Ventures | FW_TEST | ABCD-1234-ABCD
New ! Mon 19:00:52 GMT+08 | jimmy@testing.com | Sign out
Device Details | Reports | Clients | FW_TEST_VICTOR | Ocean Ventures

Top 10 data usage
- SSL: 0.4%
- IMAPS: 0.5%
- DNS: 1.1%
- Twitter: 2.6%
- FaceBook: 2.8%
- Skype: 4.8%
- Google: 6.6%
- HTTP: 44.0%
- YouTube: 14.8%
- BitTorrent: 22.3%

Legend: HTTP, BitTorrent, YouTube, Google, Skype, FaceBook, Twitter, DNS, IMAPS, SSL

Last login: Jan 06 09:38 from 10.8.9.67

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In addition to the ability to organize your devices and FusionHubs, InControl 2 provides you with real-time client information. Gain insight into the domains your clients visit (e.g. www.facebook.com) as well as any of their applications that use data (e.g. BitTorrent, Skype).
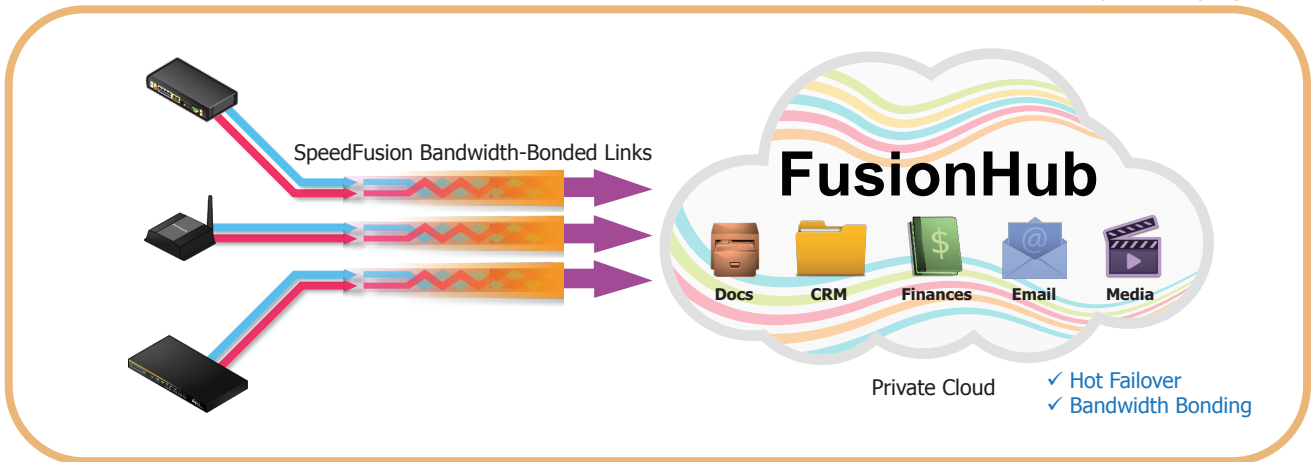
This information can be displayed as a table, pie chart, or client connection diagram. On client connection diagrams, information is made manageable using intelligent filters.

# Deployment Possibilities

SpeedFusion Bonded Link to Private Cloud

SpeedFusion Bandwidth-Bonded Links

FusionHub

Docs · CRM · Finances · Email · Media

Private Cloud

✓ Hot Failover
✓ Bandwidth Bonding

Enjoy SpeedFusion's increased speed and unbreakable VPN connection while accessing your private cloud.

High-Speed Access to Private Cloud and Internet

Enterprise Deployment

FusionHub

High-Speed Link

High speed access
to private cloud

SpeedFusion Bonded
ADSL Links

High speed Internet
via bonded link
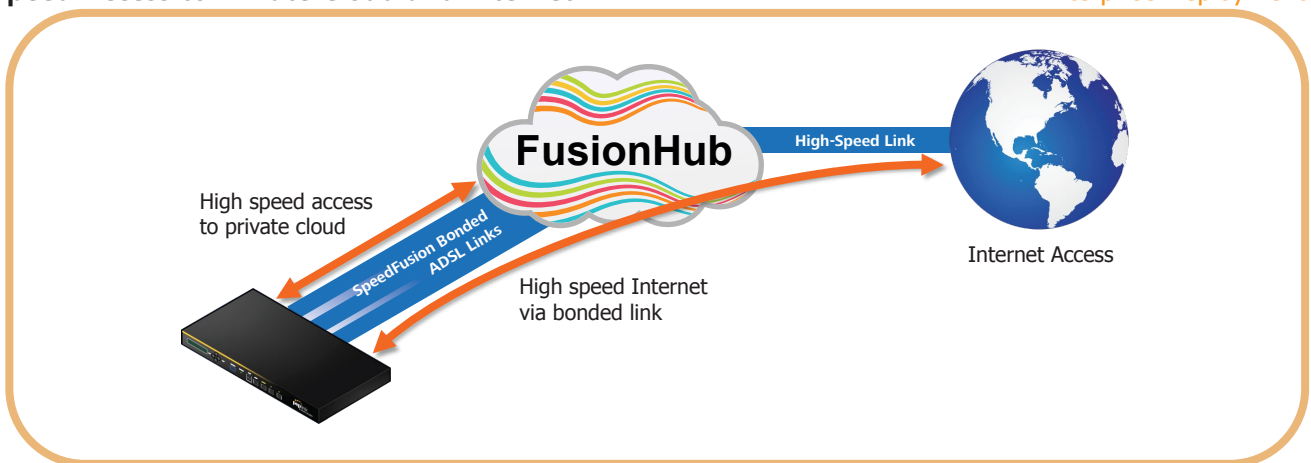
Internet Access

In addition to enjoying SpeedFusion access to your cloud, you could also use your cloud's Internet connection to browse the Internet at higher speeds.

Multi-Tenant Deployment

MSP Deployment

Organization A

FusionHub

FusionHub

Data Center

Internet Access
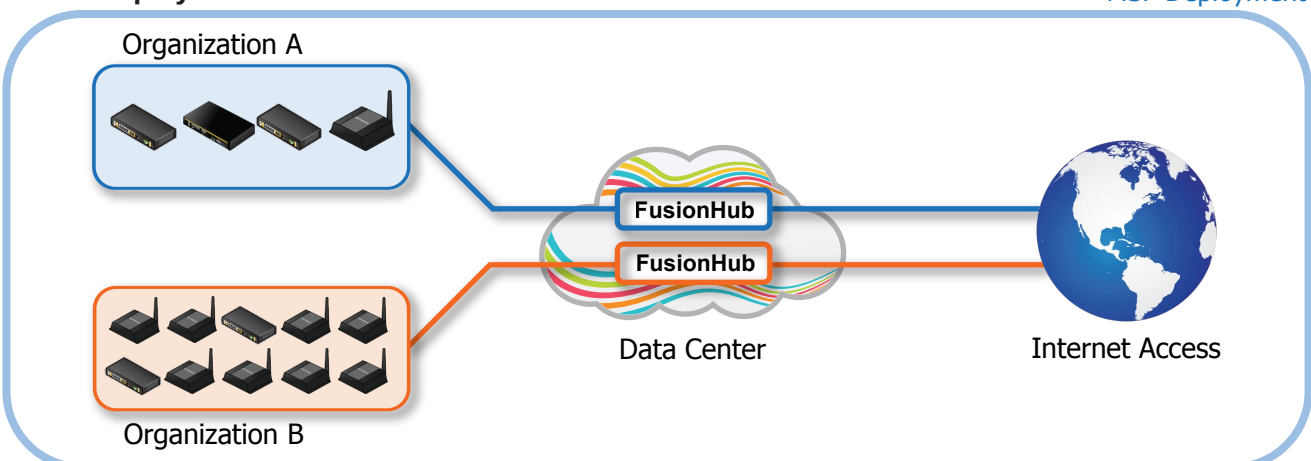
Organization B

Easily provision SpeedFusion VPN connections as a service to individual organizations. Manage your entire network using InControl 2.

System Requirements

Minimum Requirements:
- 1 Virtual CPU
- 1GB of virtual memory
- 1GB of virtual storage
- Runs on VMware, Citrix XenServer, and VirtualBox