VMware vSphere Remote Office Branch Office (ROBO) Editions
Virtualization for branches.

Extend the power of VMware virtualization to your remote sites

The need of application reside also outside the data center: in Remote Locations

Many organizations today have Remote Offices and Branch Offices (ROBO) with local IT infrastructure. While these remote locations usually have just a few servers running a few workloads to support local needs, the distributed and remote nature of this infrastructure makes it hard to manage, difficult to protect and costly to maintain for a variety of reasons:

Lack of local IT staff at remote sites results in increased service-level challenges for remote IT requests such as provisioning and configuration of servers, maintenance updates and troubleshooting.

Inconsistent host configurations at remote sites complicate troubleshooting across a large number of remote sites. Further, the remote nature of servers makes it more challenging to perform software upgrades and maintenance.

Limited IT budgets makes it prohibitive to invest in specialized business continuity solutions or redundant hardware for remote sites, and affordable options (like tape backup) are error-prone, labor intensive to maintain, and susceptible to theft or loss.

Limited space at remote sites poses challenges to accommodate new servers. In addition, existing physical hosts at these sites are not efficiently utilized.

Transforming the Way Organizations Manage their Remote and Branch Office IT Infrastructures

VMware vSphere can now enable organizations to extend virtualization beyond their datacenter to remote offices and branch offices (ROBO). vSphere Remote Office Branch Office™ is designed specifically for IT infrastructure located in remote, distributed sites and delivers improved service-levels, standardization, availability and compliance.

Service-level Agility: Deliver virtualization in remote sites and branch offices to rapidly provision and manage IT infrastructure in the form of virtual machines that provide:

Standardization: Define and enforce configuration standards consistently across your remote sites and branch offices to minimize configuration drift, utilizing host profiles.

Availability and Compliance: Deliver improved business continuity and enable proactive regulatory compliance at remote sites and branch offices through advanced virtualization capabilities.

Low-Cost Deployment in Remote Offices and Branch Offices

VMware offers two VMware vSphere editions tailored for companies interested in virtualizing a distributed network of sites:

VMware vSphere Remote Office Branch Office Standard offers the industry-leading virtualization platform with business continuity and backup features. Key features and components include:

VMware vSphere Hypervisor (ESXi™) architecture provides a robust, production-proven, high-performance virtualization layer. It allows multiple virtual machines to **share hardware resources** with performance that can match (and in some cases exceed) native throughput. The virtualization layer also enables **hardware independence**, allowing customers to provision or migrate any virtual machine to any similar or different physical server. With **encapsulation**, the entire state of the virtual machine can be saved to files. Moving or copying virtual machines is as easy as moving or copying files. In addition, virtual machines have **broad guest OS support**.

VMware vSphere vMotion® enables live migration of virtual machines between servers with no disruption to users or loss of service, eliminating the need to schedule application downtime for planned server maintenance.

VMware vSphere Storage vMotion™ enables live migration of virtual-machine disks with no disruption to users, eliminating the need to schedule application downtime for planned storage maintenance or storage migrations.

VMware vSphere High Availability (HA) provides cost-effective, automated restart within minutes for all applications if a hardware or operating system failure occurs.

VMware vSphere Fault Tolerance (FT) provides continuous availability of any application in the event of a hardware failure—with no data loss or downtime. For workloads up to 2-vCPU.

VMware vSphere Data Protection™ is VMware's backup and replication solution. It delivers storage-efficient backups through patented variable-length deduplication, rapid recovery and WAN-optimized replication for DR. Its vSphere-integration and simple user interface makes it an easy and effective backup tool for vSphere. It provides agent-less, image-level VM backups to disk and application-aware protection for business-critical applications (e.g., Exchange, SQL Server) along with WAN-efficient, encrypted backup replication across sites.

VMware vSphere Replication™ delivers multiple point-in-time snapshots for more granular recovery. Multiple appliances for replication are also supported per vCenter Server for greater scalability.

VMware vShield Endpoint™ secures virtual machines with offloaded antivirus and antimalware solutions without the need for agents inside the virtual machine.

VMware vSphere Remote Office Branch Office Advanced offers the industry-leading virtualization platform with advanced virtualization features that enable standardization of host configurations and enhanced regulatory compliance monitoring. Features and components available in this edition are inclusive of vSphere Remote Office Branch Office Standard features and additionally include:

VMware vSphere Host profiles allows administrators to define, enforce and change configuration settings easily:

- Captures host level configuration settings and saves them as a template to configure other vSphere hosts.
- Monitors hosts for configuration changes and automatically alerts vSphere administrators if deviations are found. Administrators can then re-mediate drift in configuration.
- When firmware upgrades or other events happen that require storage, network or security configuration changes on multiple hosts in a cluster, administrators can edit the host profile and apply it across the cluster for consistent configuration updates.

VMware vSphere Auto Deploy™ performs quick, as-needed deployment of additional vSphere hosts. When vSphere Auto Deploy is running, it pushes out update images, eliminating patching and the need to schedule patch windows.

VMware vSphere Distributed Switch™ enables proactive management of regulatory compliance requirements by providing ability to segregate in and out-of-scope workloads on the same physical box in the remote site. In addition, it enables enhanced network monitoring.

VMware vSphere Fault Tolerance provides continuous availability of any application in the event of a hardware failure — with no data loss or downtime. For workloads up to 4-vCPU.

How vSphere Remote Office Branch Office is provided?
Customers can purchase these editions in packs of 25 Virtual Machines (VMs). A maximum of 1 pack can be deployed per remote site or branch office. Customers can choose to distributed a pack of 25 Virtual Machines across sites (e.g., 5 VMs in Site 1, 5 VM in Site 2 etc.).

Customers need to be on vSphere (ESXi) and vCenter Server 5.5 Update 2 (5.5U2) or above to utilize these editions.

Customers can centrally manage their ROBO hosts using VMware vCenter Server Standard™ or locally using vCenter Server Foundation (purchased separately).

PRIMERGY

Following PRIMERGY Servers are released for VMware software:
VMware Systems Compatibility HCL: http://vmware.com/go/hcl

Fujitsu Manageability with ServerView Suite

ServerView is able to manage PRIMERGY servers by means of the CIM provider that Fujitsu has integrated for VMware vSphere

- Management of the physical machine under the host operating system ESXi
- ServerView RAID for configuration and management of the RAID controllers in the physical machine
- Management of the virtual machines under the guest operating systems Windows and Linux
- Remote access via onboard Integrated Remote Management Controller (IRMC), Remote Management Controller (RMC), Baseboard Management Controller (BMC), or Remote Service Board (RSB)
- Even enables access to the hardware for diagnostic purposes in the event of a failure.

Support

Mandatory Support and Subscription (SNS)

SNS (Support and Subscription) is mandatory for at least 1 year for all VMware software products. Fujitsu offers its own support for VMware OEM software products. This support is available for different retention periods and different support levels. The Fujitsu support levels are: Platinum Support (7x24h) or Gold Support (5x9h). Both service levels can be ordered either for 1, 3 or 5 year support terms. Please choose the appropriate Support for your project.
Your support agreement is with Fujitsu and VMware exclusively through Fujitsu (not with VMware directly). SNS is only for Fujitsu servers like PRIMERGY and PRIMEQUEST. Of course, SNS for VMware (OEM) software products can be renewed at Fujitsu prior to the end of the SNS term. SNS for VMware (OEM) software products cannot be renewed at VMware directly.

Support Terms and Conditions

Fujitsu Terms and Conditions can be found under:

FUJITSU ServiceContract Software
FUJITSU Support Pack Software
Technical Appendix VMware Software

Fujitsu Professional Service

Installation, configuration or optimization services for VMware software are optional service offerings. Additionally operations services from Fujitsu are available. Any additional and optional service can be requested from Fujitsu Professional Services.

Product Activation Code Registration

Please register your activation code at
http://www.vmware.com/code/fsc.
Registration will generate the license key. Help can be found at:
http://www.vmware.com/support/licensing.html.
If you have any problems, you can send an email to
vi-hotline@vmware.com.

Warranty

Class: C

Conditions

This software product is supplied to the customer under the VMware conditions as set forth in the EULA of the VMware software at
http://www.vmware.com/download/eula/.

More information

In addition to VMware software, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

To learn more about VMware vSphere please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website. www.fujitsu.com/fts

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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