

# VMware vSphere Remote Office Branch Office Editions

Extend the power of the industry-leading virtualization platform to your remote sites

## One Fourth of Business Application Workloads Reside 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®, the industry's most reliable virtualization platform, 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.

## VMware Enables 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, powered by EMC Avamar. 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 to Buy

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). Customers virtualizing a large network of distributed sites will be eligible for discounts through the VMware Purchase Program (VPP). Basic and Production Support and Subscription (SnS) are available for both offerings. SnS is sold separately, and a minimum of one year is required.

To purchase vSphere Remote Office Branch Office editions, use the online VMware Partner Locator to find an authorized reseller in your area: <http://partnerlocator.vmware.com/>.

You can also visit the online VMware store to determine which edition of vSphere Remote Office Branch Office is right for your organization: <http://www.vmware.com/vmwarestore/datacenterproducts/>.

Please visit <http://www.vmware.com/products/vsphere/compare.html> to compare vSphere Remote Office Branch Office editions.

