

## **Sublime Solution 'vSphere Readiness Essentials Program' (vREP)**

*A turnkey, bundled package offered exclusively through Sublime Solution providing certified vSphere 5 hardware & software designed to enable organizations to quickly and easily implement a VMware based virtual infrastructure.*

Take advantage of our bundled vREP offerings to achieve the following key benefits:

1. Ensure business continuity and always available IT
2. Simplify your IT environment
3. Reduce IT hardware and operating costs
4. Improve service levels and application quality
5. Strengthen security and data protection

### **Bundle 1: Sublime vREP Essentials Bundle VMware 5.0 Essentials, 3 x Servers, Shared iSCSI Storage**

*Designed for IT environments with fewer than 25 server workloads, vSphere® 5 Essentials delivers enterprise-class IT management with cost-effective server consolidation and business continuity for small to mid-size organizations — at minimal investment. Combined with industry standard server and storage hardware from Raidundant, the Sublime Essentials Bundle is ideal for organizations seeking to simplify operations, provide a flexible infrastructure, and centralize management.*

Key components of the Sublime Essentials Bundle include:

1. vSphere 5.0 Essentials Edition
2. Raidundant R-Serve Intel Based 2U Rack Mount Servers
3. Raidundant Felix iSCSI Storage

### **Bundle 2: Sublime vREP Essentials Plus Bundle VMware 5.0 Essentials Plus, 3 x Servers, Shared iSCSI Storage**

*All features of our Essentials Bundle with the addition of advanced vSphere 5 functions including High Availability, Data Protection, and vMotion.*

Key components of the Sublime Essentials Plus Bundle include:

1. vSphere 5.0 Essentials Plus Edition
2. Raidundant R-Serve Intel Based 2U Rack Mount Servers
3. Raidundant Felix iSCSI Storage

## **Sublime Solution vRep Bundle Details**

### **vSphere 5.0 Essentials and Essentials Plus Editions**

1. VMware ESXi Architecture to provide a robust, production proven, high performance virtualization layer that allows multiple virtual machines to share hardware resources with performance that can match native hardware throughput.
2. VMware vCenter Server Essentials provides centralized management and performance monitoring for all virtual machines and vSphere hosts with built-in physical to virtual, (P2V), machine conversion and rapid provisioning.
3. vSphere Virtual Symmetric Multiprocessing enables the use of ultra-powerful virtual machines that possess up to 4 virtual CPU's.
4. vSphere vStorage Virtual Machine File System allows virtual machines to access shared iSCSI storage devices and is a key enabling technology for more advanced vSphere 5.0 features.
5. vSphere vStorage Thin Provisioning provides dynamic allocation of shared storage capacity, allowing IT organizations to implement a tiered storage strategy while reducing storage spending by up to 50%.
6. vSphere vStorage APIs provide integration with supported 3<sup>rd</sup> party data protection.
7. vCenter Update Manager automates tracking, patching, and updating for vSphere hosts as well as applications and operating systems running in virtual machines.
8. vCenter Converter allows IT administrators to rapidly convert physical and 3<sup>rd</sup> party virtual machines into VMware virtual machines.
9. vSphere vSafe APIs enable the use of security products that work in conjunction with the virtualization layer to provide higher levels of security to virtual machines than are possible with physical servers.
10. Hardware compatibility with a broad range of 32 and 64 bit servers and operating systems, storage and networking equipment, and enterprise management tools.

### **In addition, the vSphere 5 Essentials Plus Edition includes the following business continuity features and components for always available IT:**

1. vSphere vMotion enables live migration of virtual machines across servers with no disruption to users or loss of service, eliminating the need to schedule application downtime for server maintenance.
2. vSphere High Availability provides cost effective, automated restart within minutes for all applications in the event of hardware or operating system failures.
3. vSphere Data Recovery provides simple, cost-effective, agent-less backup and recovery for virtual machines.

### **Raidundant R-Serve Industry Standard Servers**

1. Fully customizable, build-to-order Intel based servers certified for vSphere 5.0
2. Rack and rail accessories included with all servers.
3. 5 Year Parts and Labor included.
4. System configuration for Sublime vREP Bundle(s) – User Customizable:
  - a. 2U Rack Mount 19" ATX Chassis
  - b. 2 x Intel Xeon E5620 Quad Core 2.4GHz, 12M, Turbo, HT, 1066MHz Max Mem
  - c. 32GB,(8x4GB), 1333MHz, Dual Ranked LV RDIMMs, AECC
  - d. PCIe SAS RAID Controller with Battery Backup
  - e. 2 x 146GB, 15k rpm, SAS 3Gbps, 3.5" Hot Plug Hard Drives
  - f. High Output, 820W, Hot Swap, Redundant Power Supplies
  - g. 2 x 10' Power Cords, 125V, 15A, NEMA 5-15P to C13 Wall Plug
  - h. IPMI 2.0 Remote Management with Dedicated LAN port, KVM over LAN, Virtual Media LAN support

- i. Dual On-Board GbE LAN Connections
- j. 2 x Broadcom 5709 Dual Port GbE NIC with TOE, iSCSI
- k. DVD-ROM, SATA
- l. System Documentation
- m. 5 Year Basic Hardware Warranty Repair, 5 x 10 NBD Onsite

### **Raidundant Felix Storage**

- 1. Fully customizable, build-to-order storage systems certified for vSphere 5.0
- 2. Support for FC, iSCSI, and SAS connections
- 3. Rack and rail access included
- 4. 5 Year Parts and Labor included
- 5. System configuration for Sublime vREP Bundle(s) – User Customizable
  - a. RAID 0, 1, 10, 3, 5, 6, 30, 50, 60, JBOD
  - b. Online array roaming, RAID level and stripe migration, volume set expansion
  - c. Global and dedicated hot spare capability
  - d. 64-bit LBA support (Volumes and Drives > 2TB)
  - e. Disk scrubbing
  - f. 128 LUNS per controller
  - g. Redundant, hot swappable controllers, power supplies, and fans
  - h. 7 x PCI Express expansion slots
  - i. 4GB cache
  - j. 9 x 450GB, 15k rpm, SAS Hard Drives (8+1) – Max of 288TB supported
  - k. Up to 32 Snapshots with Volume Rollback
  - l. System Documentation
  - m. 5 Year Basic Hardware Warranty, 5 x 10 NBD Onsite

### **Additional Options and Services**

- 1. Fully user customizable, build-to-order server and storage specifications
- 2. Any vSphere Edition available
- 3. Gold and Platinum support packages

VMware certified professional installation and configuration services

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