

VMWARE CONFIDENTIAL – FOR BETA CUSTOMERS UNDER NDA ONLY

Note: This is a list of new features currently under consideration for VMware Infrastructure 3.1. This list is for planning purposes only and not a commitment from VMware. This list is subject to change.

What's New with VMware® Infrastructure 3.1 beta:

Overview:

Automate and simplify for a self-optimizing datacenter

With VMware Infrastructure 3, VMware ushered in a new era for datacenters where industry standard datacenters can be managed as a shared utility and capacity can be added or removed dynamically and non-disruptively.

VMware Infrastructure 3.1 beta introduces dramatic simplification and automation of datacenter management with introduction of several advanced new features.

VMware **Distributed Power Management**, a new component of Distributed Resource Scheduler (DRS), helps you achieve significant reductions in power and cooling costs with cutting-edge technology implemented to optimize virtual machine placement for the least amount of power consumption.

VMware VirtualCenter now comes with an easy install workflow, context sensitive tutorials as well as a **guided server consolidation interface** that enormously accelerates the process of consolidating servers in a datacenter. It simplifies the process of identification of servers that can be consolidated, recommends the placement of these servers on the right hosts and finally converts these servers from physical machines to virtual machines, thus bringing new levels of operational efficiency to datacenters. With its numerous ease of use enhancements, it reduces training time for administrators new to virtualization.

VMware **UpdateManager** automates patch and update management for ESX hosts and Microsoft and Linux virtual machines; keeping datacenters compliant and secure, quickly and effortlessly.

Increased Service Levels

VMware Infrastructure 3.1 delivers groundbreaking new technology that allows you to migrate virtual disks from one datastore to another with no downtime. If you need to retire old arrays or rebalance your existing arrays or move your disks to storage with different performance profiles, VMware **Live DiskMigration** enables this with no disruption to the virtual machines.

VMware Infrastructure 3.1 also delivers experimental support for monitoring individual VM failures with VMware HA. VMware HA can now be setup to either automatically restart the VM or send a notification to the administrator.

VMware HA leverages DRS algorithms to include support for failover of VMs to the physical hosts with the most number of resources to accommodate them. VMware HA is now also supported from 32 nodes (twice as many)

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Scale your virtual infrastructure

VMware Infrastructure 3.1 beta further advances virtual datacenter scalability and optimizes performance with the following new features:

VMware VirtualCenter can now manage twice as many hosts and virtual machines as previous releases scaling the manageability of the virtual datacenter to upto 200 hosts and 2000 virtual machines.

VMware Infrastructure 3.1 beta can support servers with upto 128GB of RAM allowing for larger consolidation ratios and virtual machines with 64GB of memory allowing for more memory intensive workloads to run in virtual machines at near native performance.

VMware Infrastructure 3.1 beta takes advantage of the latest processor technologies that further assist virtualization to allow the most demanding workloads to be run in virtual machines.

For near native performance in the most demanding and memory-intensive workloads, VMware Infrastructure 3.1 supports operating systems that are virtualization aware conforming to the paravirt-ops standard.

VMware Infrastructure 3.1 beta brings higher speed networking options such as 10 GbEthernet, Infiniband as well as more cost effective storage options to users through the addition of support for SATA devices and support for VMware Consolidated Backup over iSCSI SANs.