

# Top 10 Reasons to Upgrade to VMware vSphere 5.5

1. **vSphere App HA** – Provides a new level of availability by enabling VMware vSphere® to detect and recover from application or operating system failure. It supports the most common applications on the market and can extend the VMware ecosystem through its APIs.
2. **vSphere Flash Read Cache™** – Virtualizes server-side cache providing a high-performance read cache layer that dramatically lowers application latency.
3. **vSphere Replication** – Enables efficient, array-agnostic replication of virtual machine data over the LAN or WAN. Simplifies management by enabling replication at the virtual machine-level. Replication also now supports VMware vSphere Storage vMotion® and VMware vSphere Storage DRS™.
4. **Support for New Architectures** – Scales performance through expanded support for the latest x86 chip sets. Empowers on-premises building of Platform-as-a-Service through support for Pivotal. Enables choice of how you build your cloud through support for OpenStack.
5. **Scalability** – Expands vSphere configurations two times over the previous limits for physical CPUs, memory and NUMA nodes. [Virtual disk files can now scale to 62TB.](#)
6. **Performance** – Boosts response time of virtual machines with latency sensitive workloads through low latency application configurations.
7. **vSphere Big Data Extensions™** – Runs major distributions of Hadoop on vSphere to achieve higher utilization, reliability and agility. vSphere Big Data Extensions enables IT to seamlessly deploy, run and manage Hadoop workloads on one common platform.
8. **vSphere Data Protection™** – Provides simple, cost-effective backup and recovery for virtual machines. Restores directly to a host without depending on VMware® vCenter Server™. Back up and restores individual virtual machine disk (VMDK) files, and quiesce the vSphere Data Protection™ application for long-term retention purposes.
9. **VMware vCenter™ Single Sign-On** – Delivers greater simplicity and security to vSphere environments with next-generation single sign-on. User can now log in once to access all instances or layers of VMware vCenter™ without the need to further authentication.
10. **vSphere Web Client** – Enhances usability and increases platform support. vSphere Web Client delivers a richer user experience with new functionalities including Drag and Drop, Filters, and Recent Items List. Furthermore, OS X is now a supported platform.