

# Enterprise-Class Server Virtualization and Virtual Infrastructure Management



Virtual Iron provides enterprise-class software solutions for server virtualization and virtual infrastructure. The software is easy to use, easy to afford and enables companies of all sizes to dramatically reduce the cost and complexity of managing and operating their data center.

Virtual Iron provides advanced virtualization and management capabilities that take full advantage of industry standards, open source economics and built-in hardware-assisted acceleration. Organizations use Virtual Iron for server consolidation, rapid provisioning, business continuity, capacity management and virtual desktop infrastructure. The software delivers significant improvements in utilization, manageability and agility.

With Virtual Iron, users can:

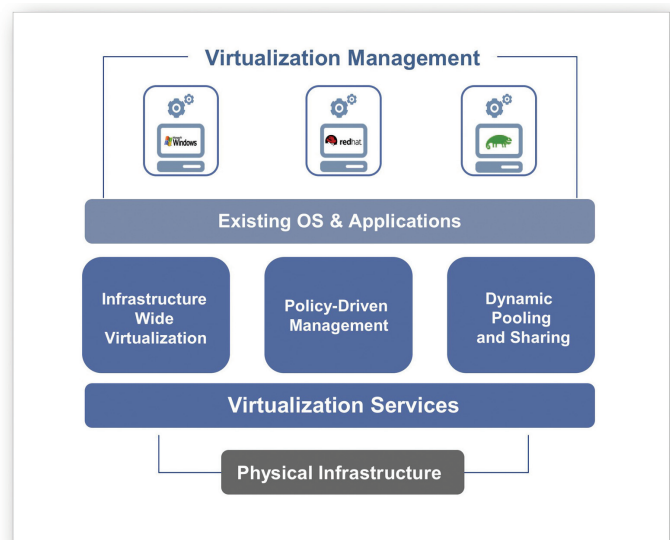
- **Improve the utilization** of current systems and get more out of today's industry-standard hardware via partitioning and consolidation.
- **Quickly and economically deploy software** to set up development, test, and production environments.
- **Match resource capacity to workload demands** via workload management capabilities.
- **Recover from failures quickly**, reliably and cost-efficiently via high availability and disaster recovery capabilities.
- **Reduce human labor** and errors via policy-based automation.

Virtual Iron is a bare metal virtualization and management platform for running unmodified Windows and Linux virtual machines. The platform consists of three layers:

**The Xen® open source hypervisor** provides the foundation for Virtual Iron. It fully leverages the latest hardware-assisted virtualization capabilities from Intel and AMD to create an abstraction layer between physical hardware and virtual resources.

Virtual Iron **virtualization services** provide enterprise-class capabilities on top of the open source hypervisor. This includes server partitioning and virtual infrastructure creation.

Virtual Iron integrated **virtualization manager** provides an easy way to create, administer and manage the complete lifecycle of virtual machines including creation, starting and stopping, rebooting, cloning and uninstalling. The virtualization manager also contains built-in dynamic capacity monitoring and management and high availability capabilities. Additionally transparent LiveMigration™ allows users to move virtual machines between physical servers without disrupting operating systems or applications.



## VIRTUAL IRON KEY PRODUCT FEATURES:

### Simple Deployment and Installation

- Quick and Easy installation in minutes
- LiveProvision™ — Virtualization stack deployed automatically without manual software install
- Supports wide variety of local storage: SATA, SCSI, SAS
- Supports both fibre channel and iSCSI network storage
- Uses the Microsoft VHD format to import and export virtual machines and virtual appliances
- Single Server installation available
- Supports Microsoft Active Directory and Open LDAP
- Leverages commercially supported SLES 10 kernel and drivers for the broadest certified hardware support

### Industry-Leading Performance and Scalability

- Bare metal x86 virtualization for peak performance
- Built to fully leverage Intel and AMD virtualization technology
- High speed I/O drivers for enhanced disk and network performance
- High performance shared storage to centralize virtual machine file storage for greater manageability, flexibility and availability
- Up to 8-way Virtual Multi-Processors with up to 128GB RAM and 5 virtual NICs. These unique features allow even the most processor-intensive applications like databases to be virtualized
- Leverages latest version of the Xen open source hypervisor
- Bundled LiveConvert™ — P2V and V2V conversions powered by PlateSpin®

**Virtual Iron is available for download free at <http://www.virtualiron.com/free>.**

### Integrated Multi-Server Management

- Easy to use web-based user interface to create and administer the virtual environment
- Full lifecycle management of virtual machines including creation, starting and stopping, cloning and provisioning
- Live Snapshot™ for hot backups and patch management
- LiveMigrate™ for uninterrupted movement of virtual machines between physical servers
- Built-in capacity monitoring and dynamic workload management
- Out-of-the-box disaster recovery of virtual machines
- Multi-pathing for virtual server ethernet and fibre channel networks

### On Demand Virtual Machine Deployment

- Supports creation and deployment of Windows and Linux virtual machines
- Create virtual machines from OS install sources
- Clone existing virtual machines for rapid deployment
- Dynamically increase size of disk groups
- Integrated import/export for backup, archival and interoperability with other virtualization platforms
- Leverage VLAN to enable more networks on fewer NICs

### Operating Systems

Virtual Iron supports the following 32 and 64-Bit guest operating systems:

- Red Hat Enterprise Linux 3
- Red Hat Enterprise Linux 4
- Red Hat Enterprise Linux 5
- SUSE Linux Enterprise Server 9
- SUSE Linux Enterprise Server 10
- Windows Server 2000
- Windows Server 2003
- Windows XP Professional
- Windows Vista

Xen is a registered trademark of XenSource, Inc.

Virtual Iron is a registered trademark of Virtual Iron Software, Inc.

# VirtualIron®

**Virtual Iron Software, Inc.**

900 Chelmsford Street  
Tower I, Floor 2  
Lowell, MA 01851

T 978.849.1200

F 978.849.1299

[www.virtualiron.com](http://www.virtualiron.com)