

1. Windows Server 2012 R2 : 1 no.

2 .Hardware Specifications/Requirements of Microsoft Server 2012 R2	
Chipset and Processor	Intel® C602J Chipset Intel® Xeon® E5- 2620 -V4
Cache	20MB up to 60MB L3 cache memory depending upon the processor model chosen 1
Memory	16GB x4 extendable upto 256 MB
Memory Features	Should support advanced memory features 1) Memory quarantine 2) Double data device correction 3) Single data device correction 4) Online Memory sparing 5) Memory mirroring
Integrated network controller	Server should support one of the following integrated network controllers: 1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ. 2. 10Gb 2-port Ethernet adaptor supporting enterprise class features such as VLAN tagging, adaptive interrupt coalescing, MSI-X, NIC teaming (bonding), Receive Side Scaling (RSS), jumbo frames, PXE boot and virtualization features such as VMware NetQueue and Microsoft VMQ.
Expansion Slots	Server should support 1 PCI express 3.0 slots:
Storage Controllers	Should support 12Gbps SAS Controller with 2GB Flash Backed Write Cache. Controller should support data encryption to protect sensitive and mission critical data. Controller should support RAID levels 6, 60, 5, 50, 1, 10 and Advanced Data Mirroring with 3 drives
Storage Bays	Should support at least four LFF HDDs
Hard Disk Drive	SAS 2.5" 7.2k or 2.5" SSD Hot Pluggable SFF Hard Disk Drive 1TB X3
Interfaces	System should support minimum of, Serial port: 1 Video: 1 front; 1 rear micro-SD Slot: 1 USB 2.0 Ports: 8 total: 2 front; 4 rear; 2 internal
Industry standard compliance	ACPI 2.0. Compliant PCIe 2.0 Compliant PXE Support WOL Support Physical Address Extension (PAE) Support Microsoft® Logo certifications USB 2.0 Support Ashrae A3/A4
Power supply	Should support Redundant hot plug power supply
System fans	Should support hot plug redundant system fans

Secure Encryption	System should support Encryption of the data on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.
Form Factor	1 U Rack Mountable
Remote Management	<p>1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication.</p> <p>2. Server should have dedicated 1Gbps remote management port. Remote management port should have 4GB NAND flash with 1GB available for user access. NAND flash should be used for keeping system logs and downloading firmware from HP website or internal repository</p> <p>3. Server should support agentless management using the out-of-band remote management port.</p> <p>4. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur.</p> <p>5. Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available.</p> <p>6. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on</p>
Server Management	The Systems Management software should provide Role-based security
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify
	Should provide an online portal that can be accesible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contrats and status. The Portal should also provide a Personalised dashboard to monitor device heath, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be accessible on
	Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes
	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.
	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware
	The Server Management Software should be of the same brand as of the
	Infra Platform /Infra Software to support a variety of different hypervisors, such as VMware, Microsoft Hyper-V, Red Hat KVM, and HP Integrity VM
	Solution available to Deploy a fast and easy installation via software appliance delivery mode. With its own OS and Database to provide infra and lifecycle
	Management software should support integration with popular virtualization platform management software like vCenter, SCVMM and RedHat RHEV