Puneet
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Professional Summary:

VMware Certified Associate with over 10 years of experience in Windows and Linux System and Network administration, VMware Configuration and Administration, VMware Horizon 7 design and implementation, Project Management, System Design, Data center migration, Windows and Linux server management, Citrix XenApp / XenServer / XenDesktop administration, and implementation and maintenance of highly scalable 24/7 availability solutions and support.

- Extensive experience in VMware and Microsoft virtualization technologies and monitoring/managing VMware ESXi and vSphere infrastructure.
- Expert in implementing and managing High Availability / Clustering environments.
- Experience in migrating the current environment into virtual environment using tools including PlateSpin and vCenter converter.
- Experience in installation, configuration and system administration of Windows, HP-UNIX, Red Hat Linux, and Solaris.
- Expert in managing operating systems and end-user software.
- Experienced in performing network and security audits.
- Experience in recommending, scheduling and performing software and hardware improvements, upgrades, patches, reconfigurations and purchases.
- Experience in deploying, creating and managing VDI Desktop pools in VMware horizon 7 for 7000 seats.
- Experience in configuration and deploying VMware vSAN.
- Expert in managing the Active Directory forest and domain environments including users, groups, printers, and login scripts.
- Strong technical knowledge of current network protocols and standards including LAN, WAN, VPN, TCP/IP, DHCP, DNS, FC, iSCSI.
- Extensive knowledge of computer server architectures including peripheral interfaces (SCSI, RAID, Ethernet) and multi-processor designs.
- Experience in managing the server cluster environment including configuration, shares and permissions.
- Administering multiple vCenter with VMware vCenter 6.x that host Virtual servers and VDIs.
- Experience with VROPs to manage, troubleshoot and analyze VDI infrastructure for future needs.
- Deploying and managing scheduled and emergency patches and updates on VDI images and templates.
- Experienced in installing and managing production, test and development environments and in migrating from development to production environment.
- Working experience on Shell, Perl, PowerShell, and PowerCLI scripting technologies.

- Hands on expertise on Symantec NetBackup, Syncsort Backup Express, EMC CLARiiON, Dell PowerEdge and Blade servers, HP ProLiant and Blade Matrix servers.
- Experience on Multi-tier Enterprise EMC/Dell Storage systems installation, migration, virtualization, management, monitoring, performance analysis and reporting.
- Experience in publishing applications and desktops using Citrix XenApp/XenDesktop.
- Strong knowledge of ITIL processes and tools.

Virtualization	VSphere 4.1/4.0/5.0/5.1/6.0, ESX/ESXi Server 2.5/3.0/3.5/4.0/4.1/5.0/5.1/5.5/6.0/6.5, VSphere Client, vCenter 4.1/5.0/5.1/5.5/6.x, vMotion, Storage vMotion, VMware Update Manager, VMware Tools, VMware Converter 5.0/6.0, DRS, HA and FT, VMware Horizon 5.2/6.x/7.x, Citrix XenServer/XenApp 7.13/XenDesktop, PlateSpin, VMware App Volumes, vSphere 4.1/5.5, vSphere Client, VMware vSAN
Operating Systems	HP-UNIX, MS Windows Server/Exchange Server 2000/2003/2007/2008/2008R2/2012/2012R2, Red Hat Linux 3.0/4.0/4.5/4.6/5.0/6.0 (Enterprise Linux 4/5/6), Ubuntu, SUSE 8/9/10, Solaris 5.8/5.9/5.10, Windows 7/8/10/XP/2000/2003, RHEL 4.8/5.5/5.6, Solaris
Languages/Scripting	VBScript, Perl, PowerCLI, Shell, PowerShell, Java, PL/SQL
Storage	DAS, NAS (NFS), SAN, ISCSI, EMC Symmetrix/VMAX, HP Storage Array, IBM N Series, IBM x3850 X5/3850 M2/x3950 M2, Tivoli Storage Manager 6.X, NetApp filers, vStorage
Databases	SQL Server 2000/2005/2008, Oracle 7.x/8/9i/10g/11g, IBM DB2
Backups	Veritas NetBackup, TSM, Avamar, Windows NT Backup, Symantec NetBackup 7, Syncsort Backup Express, Norton Ghost
Antivirus	Symantec Endpoint, Norton Antivirus, McAfee
Networking	Cisco 25xx/35xx Routers, Cisco 35xx Switches, Brocade, Cisco MDS Fabric Switches
Network Protocols	TCP/IP, UDP, DHCP, HTTP, HTTPS, VPN, DNS, NTP, WINS, FTP, SSH, WinSCP, Telnet, LAN, WAN, FC, iSCSI
Terminal Services	Remote Desktop Services, VNC, PuTTY, Tera Term, Team Viewer, cytrix, Logmein, Terminal Services
Servers	EMC CLARiiON, Dell PowerEdge/Blade, HP iLO, HP ProLiant DL360G7/DL380/DL580/DL580G7, Blade Matrix, VNX, IIS
Data Protection	RecoverPoint, VMware SRM 6.0
Other Tools	MS Office 2000/2003/2007/2010, MS Visio, Rational Rose, Active Directory, Cisco UCS Blades, HP SM9, XIO, TeamTrack, Adobe Reader 9.0, ArcGIS, NetIQ 7.X, ASP.NET, ServiceNow, SCOM 2007/2007R2, WebSphere 6.0/6.1, JDBC

Education/Certification:

- Master of Science in Mechanical and Aerospace Engineering, NYU Polytechnic School of Engineering, Brooklyn, NY
- Master of Science in Information Systems Engineering, Harrisburg University of Science and Technology, Harrisburg, PA
- Bachelor of Technology in Civil Engineering, Jamia Millia Islamia (JMI) University, New Delhi, India

- VMware Certified Associate – Data Center Virtualization (VCA-DCV)
- VMware Certified Associate – Workforce Mobility (VCA-WM)

Professional Experience:

UNIVERSAL Technologies – Fire Department City of New York (FDNY), New York, NY
Sep 2018 – Present

VDI Lead Engineer/Architect

- Designed, deployed, and managed the VMware Horizon 7 VDI Infrastructure with over 4,500 VDI desktops which is designed to grow to over 7,000 in the next three years.
- Added Cloud Pod Architecture for Always with High Availability and distributed processing load between two production Datacenter.
- Responsible for F5 LTM and APM design, deployment and troubleshooting with network team assistance.
- Helped customers determine the best endpoints for their VDI deployment (PC vs Zero Client vs Chromebooks vs Laptop).
- Created Diamondplate Kiosks and Firefighters Health Surveys for Firehouses using Chrome on RDSH Servers on Thin/Zero Clients and desktop PCs.
- Utilized VMware User Environment Manager (UEM) to virtualize User Profiles.
- Utilized VMware Application Profiler to create Application Profiles for uncommon applications which were unavailable on VMware Marketplace.
- Implemented App Volumes, ThinApp and RDSH Servers to simplify Pool Management and control personalized real-time centralized Application delivery based on user requirements.
- Responsible for cutting edge All Flash SAN products to provide the latest in performance and scalability for VDI installations.
- Collaborated with each department to determine what applications were needed and the best way to deliver them with best user experience.
- Utilized VMware vRealize Operations Manager for server and VDI monitoring.
- Created Windows 7 Professional and Windows 10 Master images for instant clone, Linked Clone and Persistent desktops.
- Managed and administered ESXi hosts 6.0 and 6.5.
- Built new ESXi 6.0/6.5 hosts from the scratch in HP Proliant Gen 9 Servers and configured hosts starting from creation of Service profiles to addition to production vCenters.
- Installed and configured Windows Servers 2016, 2012 R2 Virtual Machines in the ESXi host clusters.
- Designed and Deployed Windows WSUS Servers for patch and Update management for VDI Master Images.
- Trained Helpdesk team in basic troubleshooting for VDI related end user issues.

Northwell Health, Great Neck, NY
Apr 2017 – Aug 2018
VMware/Citrix Engineer

- Managed and administered ESXi hosts 4.1/5.5/6.0/6.5
- Built new ESXi 6.0/6.5 hosts from scratch in Cisco UCS Blades and performed the complete configuration starting from creating Service profiles to adding to production vCenters.
- Installed, configured and troubleshot ESXi 5.1 and 6.0 in different types of IBM and Cisco UCS servers.

- Coordinated with the network team to plan the structure of network to be used for the new ESXi hosts including number of NICs, vLANs, and subnets.
- Created PowerShell scripts to deploy multiple Virtual Machines by importing specifications from a CSV file.
- Developed VDI Infrastructure using technologies including VMware Horizon and XenDesktop.
- Supported, managed, and configured applications through VMware App Volumes.
- Managed VDIs with over 3000 users with various types of operating systems including Windows 7/8/10.
- Installed and configured Windows Servers 2008R2/2012R2 Virtual Machines in the ESXi host clusters.
- Configured TSM backups for servers and ran QA scans and Security scans for the servers before bringing to production.
- Created Machine Catalogs and Delivery groups to publish Applications and Desktops in Citrix XenApp.
- Created XenApp and XenDesktop machine and user polices including printer policy.
- Ran patches and updates through Update manager for the ESXi hosts.
- Configured Service Profiles in Cisco UCS manager in Windows and ESXi Servers.
- Generated reports with various parameters of VMware infrastructure using multiple tools.
- Performed physical to virtual migration (P2V) and virtual to virtual (V2V) using VMware Converter.

PricewaterhouseCoopers, Tampa, FL	Mar 2015 – Mar 2017
VMware Engineer	

- Responsible for the management and design of a huge environment with thousands of ESXi hosts spread across various data centers.
- Built new ESXi 6.0 hosts from scratch and performed the complete configuration for US and Caribbean locations.
- Installed, configured and troubleshot ESXi 5.1 and 6.0 in different types of HP ProLiant servers
- Coordinated with the network team to plan the structure of network to be used for the new ESXi hosts including number of NICs, vLANs, and subnets.
- Deployed PowerShell scripts to various vCenter servers for monthly VMware metric reports.
- Installed and configured Windows Servers Virtual Machines in the ESXi host clusters.
- Created various types of Tech Plans for hardware and software installations.
- Installed vCenter Server and configured ESXi host's within the cluster using vMotion and HA.
- Ran patches and updates through Update manager for the ESXi hosts.
- Configured HP RILO remote management of chassis and ESXi hosts.
- Generated reports with various parameters of VMware infrastructure using multiple tools.
- Performed physical to virtual migration (P2V) and virtual to virtual (V2V) using VMware Converter.
- Created test plans for Production critical servers in VMware SRM and ran Disaster recovery tests using various types of storage technologies including EMC VMAX, RecoverPoint, and XIO.
- Created Manual pools, automated pools, linked clones pools, full clone pools and RDP pools in Horizon View 6 per users requirements
- Deployed on-demand virtual desktops and applications using Citrix XenDesktop.

Caesars Entertainment Corp., Las Vegas, NV   **Jul 2014 – Feb 2015**
VMware Architect

- Managed a large environment with 314 ESXi hosts spread across various data centers.
- Built new ESXi 5.1 hosts from scratch and performed the complete configuration and made PCI compliant.
- Installed, configured and troubleshot ESXi 5.1 in different types of Dell servers including PowerEdge R720/2950/M620.
- Coordinated with the network team to plan the structure of network to be used for the new ESXi hosts including number of NICs, vLANs, and subnets.
- Deployed and configured Blade server chassis Dell M1000E and configured CMC and Blade Servers PowerEdge M620 for the world largest data center SwitchNAP.
- Installed and configured Windows servers Virtual Machines in the ESXi host clusters.
- Created various types of Tech Plans for hardware and software installations.
- Installed vCenter server and configured ESXi hosts within the cluster using vMotion and HA.
- Ran patches and updates through update manager for the ESXi hosts.
- Configured CMC and iDRAC for remote management of chassis and ESXi hosts.
- Applied patches to fix various types of vulnerabilities in vCenter.
- Performed basic configuration of PowerConnect m6220 (1Gig), m8024 (10 Gig) and Brocade switches.
- Deployed VMware vCenter operations manager in the production environment to monitor performance of Virtual servers, datastores and available resources.
- Performed physical to virtual migration (P2V) and virtual to virtual (V2V) using VMware Converter.
- Completed hardware setup and cabling of Dell PowerEdge R720 and EMC VNX.

Dept. of Conservation and Natural Resources, Harrisburg, PA   **Oct 2013 – Jun 2014**
VMware Engineer

- Built new ESXi hosts from scratch and performed migration of all VMs from ESXi 4.1 to 5.5 with zero downtime.
- Installed, configured and troubleshot of new ESXi 5.5 in IBM x3850 X5 Servers.
- Coordinated with the network team to plan the structure of network to be used for the new ESXi hosts including number of NICs, vLANs, and subnets.
- Installed and configured Windows Servers Virtual Machines in the ESXi host clusters.
- Installed, configured and administered multiple Citix XenApp farms.
- Installed vCenter Server and configured ESXi hosts within the cluster using vMotion and HA.
- Ran patches and updates through update manager for the ESXi hosts.
- Built the entire VDI Environment in VMware Horizon View by deploying connection server, security servers, dedicated vCenter server and transfer server and authenticated in Horizon View Administration console.
- Created various types of desktop pools including Manual pools, Automated pools, Linked clones pools, full clone pools, and RDP pools in Horizon View per users requirements.
- ThinApped Microsoft Office 2010, Adobe reader 9.0 and ArcGis for VDI desktops.
- Coordinated with storage team for the datastore consolidation and resize project after the vSphere migration from 4.1 to 5.5.

- Deployed VMware vCenter operations manager and infrastructure navigator in the production environment to monitor performance of virtual servers and datastores.
- Performed physical to virtual migration (P2V) and virtual to virtual (V2V) using VMware Converter 5.0

CGI, Boston, MA	**Dec 2012 – Jun 2013**
VMware Engineer	

- Participated in the ASPECT Upgrade Project for the development of New Datacenter Environment Supporting over 200+ Caremark Callcenter Users to accommodate a 3 year growth.
- Installed and configured ESX 5.0/5.1 in new HP ProLiant series Servers in a core new Data-Center.
- Installed and configured Windows servers Virtual Machines in the ESX host clusters.
- Installed vCenter server and configured ESX hosts within the cluster using vMotion and HA.
- Ran patches and updates through update manager for the ESXi hosts.
- Installed Windows server 2008R2 in physical servers that host the primary Caremark duties.
- Installed Red Hat Linux that supports the telephony adapter servers for the Caremark callcenter.
- Created and modified Perl, PowerCLI scripts for Linux and ESX Automation.
- Configured and provisioned storage for the virtual environments (ESX) and individual hosts on VNX 5500 with Unisphere.
- Configured Physical Servers for Nuance Text to Speech (TTS).
- Performed migration of Servers to the new data center.
- Collaborated with vendors on software installations and CVS Caremark vendor specifications for the new server.
- Scheduled backup jobs in over 500+ physical/virtual servers.
- Configured RDM and Cluster environment for Windows Servers 2008 with SQL 2008 cluster.
- Troubleshot and configured Network issues for the vCenter in the New datacenter environment.
- Maintained Team Track ticketing for the Day 2 Day update of the Servers Installation Progress.
- Configured IIS, ASP.NET, and Java for the new servers.
- Provisioned storage requests from EMC storage for the new datacentre environment.
- Troubleshot VMware, clusters, network, sharing, zoning issues and collaborated with app-vendors to resolve issues.
- Managed daily ticketing of GPO, AD management, User permissions, and Network sharing.
- Led daily meetings with app-vendors and client to accommodate on-going project issues, management and requests monitoring.

Depository Trust & Clearing Corporation (DTCC), Jersey City, NJ	**Feb 2011 – Nov 2012**
VMware Engineer	

- Deployed, gathered requirements, and installed, administered, maintained and troubleshot various Servers, Storage and Backup systems.
- Installed and configured ESX 3.5/4.0, ESXI 4.0 hosts for the existing farm expansion and performed administration of VMware vSphere environment.

- Configured ESX servers for HA and DR capabilities.
- Performed physical to virtual servers (p2v) migration without downtime.
- Performed hot migration using third party Tools/Applications and deployed from a central remote server.
- Performed vMotion and vStorage administration for the successful data migration.
- Coded PowerCLI to automate tasks and created VMS to be faster for cloning images.
- Installed SCOM 2007R2 Reporting Server and MS Servers in Environment with 300 Agents.
- Installed and configured Management Packs for Active Directory Monitoring, Windows Server Operating System, SQL Server, Windows Server Cluster, SharePoint Server, and Virtual Machine Manager.
- Remotely debugged and troubleshot servers in a datacenter using HP ILO.
- Created virtual switches and configured Nic for a clustered environment
- Created Virtual Switches, Ports and Port groups and set up Layer 2 Security Policies for Virtual Networks.
- Managed complete IT infrastructure including Servers, Storage solutions and Administration, VMware configuration and Administration, Network devices, and Security devices for data center.
- Responsible for administration of all Onsite/Offsite backups of critical servers, VMware applications servers and storage arrays through Symantec NetBackup.
- Used DAS, SAN and NAS concepts, snapshots, clustering and fail-over, file permission management and disaster recovery.
- Installed, configured and upgraded drivers of HBA's (Emulex and Qlogic) on UNIX and Windows servers.
- Deployed and tested disaster recovery solutions for selected business applications using EMC SRDF/A for high performance.
- Installed critical and locally tested updates to the ESX Host using VMware Update Manager.
- Installed EMC Snapview and created Snapshots and Snap View sessions for backups.
- Provided full design, planning, configuration, documentation, deployment and top-level support ownership of storage and VMware infrastructure technologies.
- Grouped physical disks into logical volumes dynamically sized and resized volumes to fit in the application.
- Troubleshot and resolved Storage related issues including incidents, Service calls, and Work orders, generated in production, development and testing environments using ServiceNow portal.

H&R Block, Riverside, MO	Oct 2009 – Jan 2011
Virtualization Engineer	

- Configured, implemented and managed Virtual environment using VMware ESX.
- Implemented and configured ESX servers to existing NAS devices.
- Core participation in DataCenter and involved as one of core engineer for the DataCenter.
- Migrated procedures of a Datacenter.
- Performed installation and management of NAS and SAN storage solutions.
- Created Windows and Linux vms and deployed in different data centers from a single production lane.
- Installed System Center Operation Manager (SCOM) 2007 and installed and configured SCOM Management Packs for Windows Server Operating System.

- Created and mirrored preconfigured Operating system including Windows/Linux and configured Oracle/SQL, WebSphere services in the OS.
- Developed and implemented backup and disaster recovery protocols.
- Provided Load balancing capability for the virtual infrastructure.
- Analyzed software and hardware constraints to plan for new user requirements (capacity planning).
- Developed standard operating procedures and documentation for the virtualization environment.
- Documented and communicated Project Status, Issues, Risks and Actions to project leads and managers.
- Provided day-to-day onsite support for networked systems, hardware and related infrastructure.

Prithvi Technologies, India	**Jul 2008 – Jul 2009**
System Administrator	

- Installed and configured of Linux, Sun, and Windows in all servers and Windows Server 2000.
- Created users and groups and allocated different security policies.
- Mapped network for the company of over 50-75 hosts.
- Provided suggestions for different disaster recovery models.
- Automated several administrative tasks.
- Built Hard Drive Images for various OS using Norton Ghost.
- Configured and maintained several DNS/DHCP/WINS services.
- Provided 24/7 support for Windows Servers and maintained and troubleshot software and hardware.

Consultants that have been placed by UNIVERSAL

The following section contains resumes for consultants UNIVERSAL Technologies has placed for other projects.