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**Tarun Kumar**

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**PROFESSIONAL SUMMARY:**

* Over 7 years of experience with expertise in **VMware administration** and **Windows Administration**, Implementation, Installing, Monitoring and Troubleshooting of network and communication equipment.
* Practical work experience in **Installing, Maintaining, Monitoring, Troubleshooting** and **Managing Blade, Rack and Tower servers**, Configuring and Zoning Storage Area Networks and **SAN Switches** and VMware **ESXi Server Administration**.
* Technical knowledge & proficiency in Windows Servers, VMware and Network Administration.
* Expertise in **installation, configuration and administration** of Windows 2003/2008/2008R2/2012/2012R2/2016 & 2019 servers on **HP/Compaq, Dell Power Edge,** IBM xSeries hardware platforms.
* Extensive experience with VMWare/Microsoft VDI products (Horizon View 6.x,7.x/RDS, RDSH).
* Worked on HCI platforms vSAN, Azure HCI on server 2016 and server 2019.
* Experience with Nutanix cluster configuration and management.
* Experience configuring and managing **Active Directory, GPOs, DNS, DHCP, File & Print Server,** IIS (Web Server), **FTP, Terminal Server, RRAS**, Microsoft Clustering and Exchange Mail Server in Windows based server environment.
* Developed **PowerShell scripts** to automate various tasks in **Active Directory** & VMware **PowerCLI automation**.
* Hand-on Experience on installing and managing **SQL 2008/2012/2016, configuring WSUS and NTP.**
* Intermediate understanding of **power CLI** (windows/VMware).
* Experience on **IIS 7.0/7.50/8.0/8.5 Architecture**, Deployment, Security & Configuration mechanism.
* Experience Installing, Configuring, and Administering **VMware ESX/ESXi** servers.
* Experience in **iSCSI SAN, NAS, NFS storage** and **RAID** concept.
* Proficient Experience in installation, configuring and upgrading of VMware **vSphere 4.x,5.x,6. x. minor and major versions.**

**TECHNICAL SKILLS:**

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| **VMware Tools** | vSphere 6.7/ 6.5/ 6.2 / 6.0 /5.1 / 5.0 / 4.1 / 4.0, ESXi 6.x, 5.x, ESX 4.1 / 4.0, VMware converter 4/3  |
| **VMware Virtualization Skills** | ESXi 6.5, ESXi, vSphere 6.x and 5.x, P2V, V2V, Storage vMotion, HA, DRS, SRM 4.0, Host Profiles, VApp, VMware Consolidated Backup, VMware Management Assistant, VMware vSphere Client, VMware View 6.x,7.x, VMware ThinApp, Events and Alerts, Capacity Planning, Plate Spin Power Converter. |
| **Microsoft Products and tools** | Active Directory Domain Services, AD lightweight Directory Services, AD Certificate Services, DNS, Exchange 2007, Exchange 2010, Hyper-V, WSUS server, SQL Server 2008/2012/2016, Microsoft System Center Configuration Manager (SCCM), Microsoft System Center Operations Manager (SCOM), SCVMM, IIS 6, IIS 7, DHCP, TCP/IP. |
| **Hardware** | HP ProLiant DL360, DL380, DL580 Servers, BL465c Blade Servers and Dell Power Edge Servers 12G/13G/14G, MX7000 chassis |
| **Operating System** | Windows 2008 R2, 2012, 2012R2,2016,2019/Windows 7,8,10, LINUX. |

**Educational Qualification:**

* **Master of Science** **(MS)** in **Information systems** from University of the Cumberland’s, KY, USA.
* Bachelor of Engineering (B.E), JNTU University, India.

**Certifications:**

* VMWare Certified Professional – Datacenter Virtualization **(VCP6.5-DCV)**
* Microsoft Certified Systems Engineer (MCSE)

**PROFESSIONAL EXPERIENCE:**

**Client-** **Ameren Corporation, MO. Sep 2018 – present**

**Role: Senior VMware/Windows Administrator**

**Roles & Responsibilities:**

Was part of planning committee which architected **vSAN** solution for **VDI (Horizon View 7.x)** environment. Gave my inputs in regard to application running on the **Horizon View VM’s** and considerations we need to take in terms of resources that are needed on the physical servers. Have done POC with vSAN and Nutanix to compare the hyper converged solution that would work for our use case. Have given my inputs about pros and cons of either solutions which helped management choose the solution they want to implement.

* Providing support to a large virtual infrastructure environment comprising of **5+ vCenters, 4000+ Virtual servers, 200+ ESXi hosts, 3000+ VDI**.
* Perform execution of **Installation Qualifications** (IQ) and change controls to maintain the validated state of the systems.
* Worked with **vRealize automation** to deploy virtual machines through it.
* Upgrade ESXi hosts from **5.x to 6.x** and applying patches to the present **6.x environment**.
* Administration of VMware **ESX and ESXi Servers** on **Dell PowerEdge servers**.
* Configured **HA/DRS** related advanced configuration settings per VMware Best practices.
* Maintaining and troubleshoot windows server’s **windows 2008, 2012R2, 2016 and 2019 versions** and configuring them for **SolarWind** monitoring and Symantec **NetBackup**.
* Hands on experience in deploying **vSAN** and **Nutanix** SDS solutions.
* Configured **Dell MX7000 Blade chassis** with **MX740c** full-height blades and **MX5016s** storage sleds. Mapped the IOM **MX5000s** to storage sleds and configured IO module **MX5108n.**
* **Configured management and storage network on respective vLAN’s.**
* Administration of **DNS** and **DHCP servers**, Creation of user and group accounts in **MS Exchange Administration**.
* Used **SCCM** to push windows updates on the windows machines.
* Managed **Active Directory** users and computers/ Configured **GPO’s** for VDI users and restricted users.

**Accomplishments:**

* Successfully configure and deploy MX7000 chassis and its networking to host our applications. Configured firmware baseline so that the system meets the Firmware Compliance.
* Validated vSAN and Nutanix and provided feedback which helped the management to take decision on which solution to choose.
* Troubleshooted and optimized VDI environment for which I was recognized by team members and management.

**Environment:** VMware ESXi 5.5/6.5, vSphere 5.x, 6.x, VMWare Horizon View 6.x, Microsoft RDSH & Windows Server 2012/2016, Dell Hardware MX7000 (Rack and blade servers), Symantec Netbackup, Active Directory and vRealize automation.

**Client- Southwestern Vermont Medical Center, VT Nov 2016 - Aug 2018**

**Role: Senior VMware Server Engineer**

**Roles & Responsibilities:**

* Installed and configured **ESXi 6.0, 6.5** on Rack and Blade infrastructure.
* Used **VMware vCenter**, created Datacenter Environment by creating **VMware clusters**, adding **ESX/ESXi hosts** in the **clusters**, and implemented **HA and DRS**.
* Used **PowerShell**, **Power CLI** **scripts** for **migrating VMs**, creating snapshots.
* Worked with various **Windows Servers (2008R2,2012,2012R2,2016)** and configured **server roles** like **Active Directory, DNS, Web Services, File Services, Print Services.**
* Administered **Active Directory** domain services, **DHCP**.
* Plan and design clusters and Datacenters.
* Design **Backup** and **recovery plan** for VMware.
* Certificate renewal process for vSphere 5.5 using the **SSL automation tool** (command line utility).
* Managed 2000+ servers utilizing **Windows 2008 and 2012R2, 2016** and VMware platform, providing monitoring and support of production hardware and application servers.
* Deployment of the **SCOM Agents** to the client machines for enabling the monitoring.
* Deploy and Integrate SolarWinds Products to monitor various organization's infrastructure.
* Configured **RDSH Terminal Servers** to host the applications and publish it with **Horizon view**
* Implemented the migrations of **ESXi servers from 5.1 to ESXi 5.5**.
* Configure and implement Resource Pools, VMware Clusters, HA, DRS, Patch Management using **VUM in high-end ESXi environments.**
* Upgraded VCenter and ESXi to 5.5 using **VMware Update manager and manual upgrades.**
* Configuring and troubleshooting vSphere Networking **(VSS and VDS policies)**.
* Build, configure and deploy VMs and templates. Completed **Physical-to-Virtual (P2V)**, **Virtual-to-Virtual (V2V)** and **Virtual-to-Physical (V2P)** migration of Windows 2008, and 2012 as well as Linux servers from VMware.
* Creating and setting up alert management window and tickets in SDP.

**Environment**: VMware ESXI 5.5,6.0,6.5,6.7 vSphere 5.0, 5.5 & Windows Server, Proliant Servers & Dell Hardware, VCE / emcvnx5800, SCOM, SolarWinds, oracle Linux 6.4, Cisco UCS and Nexus and NetApp FAS.

**Client- Optum, Raleigh, NC Oct 2015 - Sep 2016**

**Role: Senior VMware Engineer**

**Roles & Responsibilities:**

* Designed and implemented **ESXi server infrastructure environment, Administrated server consolidation program through use of VMware ESXi server and VMware Virtual Center, creating VMs, using/building VM templates and customization files, and scheduling tasks**
* Worked with team in upgrading vCenter and ESXi to 5.5 using VMware **Update manager** and **manual upgrades for Patching**.
* Administration functions including deploying code solutions (.wsp), PowerShell scripts, server optimization, server management, term store maintenance, taxonomy, content deployment, web and service applications in Central Administration.
* Create and maintain Database maintenance plans for **SQL** .
* Setup custom **vApps** and **resource pools** to individually manage specific groups of VMs and provide custom priorities.
* Performed necessary storage infrastructure maintenance in accordance with **EMC** and Customer change management policies.
* Supported design creation of **data migration architectures**.
* Involved with capacity planning and hardware procurements as per **PwC standards**.
* Federation Services implementations, with **ADFS, ADFS-PRX and DirSync** server installation and configuration 2008R2 AD and 2012 Server DirectAccess design and implementation.
* Involved in Data center migration more Than 500 ESX servers and large number of the **window’s physical servers**.
* Performed VMware view **upgrade** from **4.0.1 to 4.6,**
* Security hardening and Monitoring of VM's & ESX servers (CPU, Memory, Disk, Network Utilization) for Security Compliance.
* Operated as **24-hour on-call** escalation point for all project-effecting problems related to all Migration efforts. Anticipated obstacles and recommended solution options.
* Worked on service requests from the client through **service-now.**
* Member of **24X7 on call shift rotation** for server and **Virtualization environment support.**

**Environment:** VMware ESX 4.0/5.x, VSphere 4.0, 5.0, 5.5 & Windows Server 2008R2/2012R2, Active Directory 2008R2, HP Proliant Servers & Dell Hardware, VCE / UCS, VBLOCK, SCOM, Cisco, Solarwinds, VNX, PowerCLI

**Client- Ingersoll Rand, India Jan 2013 - Jun 2015**

**Role: VMware/Windows Admin**

**Roles & Responsibilities:**

* Design and Implementation of migration strategy for consolidating Data Centers from around the world to centralized locations in US, which involves numerous servers of various **Windows 2008R2 and 2012.**
* Design, Installation and configuration of **new vSphere 5 ESXi servers** on **HP DL series** and **UCS Cisco C240 M2blade Server** for the datacenter builds.
* Participated in gathering and analysis of business requirements for software capabilities.
* Formulated and installed **Lync functionalities** for multiple clients.
* Provided technical guidance for **migration, configuration and deployment of Lync.**
* Installed Management Server **(vCenter Server)** instances to enable centralized management of multiple **ESXi hosts.**
* Installation of **ESXi 5.0/5.1 Hosts, vCenter Server, vCenter update manage**r and **administering VM's** across 3 Datacenters running **2200 VM's**.
* Maintain standard practices and policies for corporate **LAN/WAN** environment.
* Hands-on migration of a **highly customized SharePoint internet/intranet farm** using **PowerShell** including setup of **Active Directory** trusts, SharePoint security, forms-based authentication, custom workflows, web applications, content deployment etc.
* Administering, troubleshooting and automating **vSphere ESXi using Power CLI.**
* Provided level high support for ESXi servers running on **HP ProLiant UCS B200's B250's** and **Windows Virtual Servers**.
* Involved in **Data center migration** more Than 500 ESX servers and large number of the **window’s physical servers.**
* Administering **Active Directory domain services, DHCP, DNS and WSUS.**
* Manage and monitor **Active Directory services** and **group policies**. **Providing users** with access rights and permission for accessing the applications
* Actively participated in **troubleshooting of Windows Server Based& SCOM related issues**
* Configuration of the **SCOM 2007** monitoring and management
* In place upgrade of the **Windows 2003 to 2008 Server** by taking back up of .vmdk file of C drive of the Windows 2003 and **upgrading the Operating system drive**.
* Worked on Ticket process in Remedy Tool in **24x7 environment.**

**Environment:** Windows Server Windows 7/XP, Active Directory, SCOM, VMware ESXi 4.0 Server,VMware View, HP DL & ML server series, IBM Xseries & System x servers, HP Insight Manager, Solarwinds, Cisco Enterprise Network, MS PowerShell

**Client- Locuz Enterprise Solutions, Hyderabad, India Jun 2012 To Dec 2013**

**Role: Windows/VMware Admin**

**Roles & Responsibilities:**

* Created and managed Host profiles, Datastore Pools for Multiple Host and Datastore Clusters across Multiple Data centers.
* ESXi patching using VMware Update Manager.
* Performed vMotion and Storage Migration of over 1300 VMs to consolidate multiple vDataCenters into one coordinating with the storage and network teams to migrate storage

(EMC SAN) from one vDatacenter to another.

* Experience on Host Profiles, Distributed Switch, DRS, vMotion, Storage vMotion, Resource pools, permissions, Patches, Snapshots, Tools Upgrade, disk expansions, Templates.
* Managing vCenter permissions.
* Responsible for upgrading entire enterprise from Windows Server 2003 to windows server 2008R2
* Creating and managing the VMware cluster with HA and DRS.
* Monitoring and managing performances of ESX/ESXi servers and virtual machines.
* Coordinate with the IT Department with the issues. Document and report problems. User management by Active Directory.
* Created and managed user and group accounts which include configuring password policies, user rights, domain and local user accounts and setting profiles for multiple accounts.