**Karthik Reddy**

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**Professional Summary**

* Experienced **VMware Administrator / Windows Server Administrator** with **7 years of experience** in designing, deploying virtual networks and upgrading systems, including hardware, software, networks, servers and peripheral equipment.
* Experience in implementing and administering **VMware vSphere, HA settings, DRS settings, Cluster groups,** **Resource Pools, Host Profiles, Licensing, Templates, Data Stores**.
* Design and Implement virtualization solutions based on VMware vSphere **ESXi 6.0/5.5/5.1/5.0/4.1, ESX 4.1/4.0/3.5/3.0 platform, vCenter 6.0/5.5/5.1/5.0/4.0/2.5.**
* Managing all aspects of VMware vSphere environments including vSwitches, Distributed Virtual Switches, vMotion, Storage vMotion, VMware Fault Tolerance, VMFS Datastore, Host profiles, Storage profiles, Resource Management and Performance Monitoring.
* Strong experience in SAN and NAS solutions on EMC suite of products like VMAX, VNX, RPA, VPLEX, SRDF, **Celera Series** and CISCO, Brocade director class SAN switches.
* Experience with **HP servers, CISCO UCS servers and Dell Power Edge Servers.**
* Performed several P2V, V2V migrations using VMware Converter.
* Strong understanding of VMware Networking concepts like different types of port groups, NIC Teaming and VLAN Problem management on VMware ESXi 4X and 5X.
* Installation and configuration of **Microsoft Windows Vista, XP, 2000 Wintel server, Professional, Windows 2003, 2008 and 2012 Wintel Servers.**
* Experience in Designing, Installing, Configuring, Administrating and Troubleshooting VMware **Virtual Desktop Infrastructure** (VDI) Environment.
* Experience in EMC/VCE products includes **Vblock 300 & 700 series**, BLOCK& FILE LEVEL (UNIFIED) EMC storage arrays.
* Knowledge of **Office 365** deployment models and best practices.
* Good Experience in creating port groups, VLAN networking and NIC teaming on **VMware ESX 5.x/4.x and vCenter environment.**
* Maintained Forward and Reverse Look up Zones, Conditional Forwarders through DNS.
* Installation and Configuration of networks, router/switches configuration and wireless access point/router with security, **TCP/IP, VPN, Content Filtering.**
* Experienced in Configuring **FC, SAN, VMFS, iSCSI SAN and NAS Storage with Different Vendors like EMC, NetApp.**
* Good Understanding **EMC NAS Celera**, Netapp FAS.
* Responsible for **Active Directory**, Windows 2008 and 2012 OS, Window 7 OS
* Experience in managing Active Directory Domain Controllers, **DNS and DHCP Servers.**
* Good understanding on the networking concepts like the LAN, WAN and SAN.
* Experience in configuring and setting up physical HP servers.
* Installing, configuring, administration of **Windows 2003 servers, Active Directory Services,** DNS DHCP, FTP, WSUS, IIS Web Server and SQL Database Server, System Management Servers (SMS) servers.

**Technical Skills**

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| --- | --- |
| VMWARE | VMware VSphere 6.0/5.5/5.1/4.0, ESXi 5.5/5.1/5.0/4.1, ESX 4.1/4.0/3.5/3.0 platform, VMware vCenter 5.5/5.1/5.0/4.0/2.5. |
| APPLICATION SERVERS | SQL Server 2005 and 2008, DHCP, DNS and WINS Services, Microsoft Active Directory. |
| BACKUP SOLUTIONS | Avamar, Data Domain, VEEM, Tivoli Storage Manager (TSM) |
| HARDWARE | Dell Servers, HP C7000, Hubs, Switches, RAM and Cisco UCS. |
| Desktop Application | Microsoft Office 2003, Outlook 2003 and Evolution, Open Office, VMware Workstation. |

**Professional Experience**

**Southern California Edison, Irwindale, CA January 2016 to Till Date**

**VMware / Windows Server Administrator**

**Responsibilities:**

* + - * Installing and Administering the various virtualization components like **vCenter, vSphere** etc.
      * Performed ESXi Hosts and Virtual Machine migrations between Development, Integration, and Production environments and across Datacenters.
      * Supported VMware, specifically **ESXi 6.0 &5.5** to monitor cluster performance, optimize the server environment, diagnose and resolve production issues amongst Data Centers.
      * Develop, test, and maintain a disaster recovery plan for critical VMs and application data.
      * Providing and maintaining user access in VMware virtual Center, configuring mail alert for any failure in **HA, DRS, CPU and memory.**
* Installed and configured VMware **Site Recovery Manager 5.5 (SRM)** on multiple sites and created **disaster recovery plans**.
  + - * Installation and upgrading of **SCCM servers**. Adding and updating Distribution Points.
      * Migration of active directory services from Windows NT to Windows 2000 to Windows 2003
      * Trouble shooting issues related to **VMware ESX host**, VMware virtual center, HA, DRS, VMware update manager.
      * Built **Windows 2003/2008 Wintel Servers** on standalone and blade servers based on application design and deployed stack on these servers.
      * Maintained **Windows Servers 2008 R2, 2012 R2** administration created User Accounts and Groups in Active Directory (AD) as required after gaining required approvals.
      * Managing **Active directory, DNS, WINS and DHCP Servers.**
      * Active Directory Services -- Managing Users & Other AD objects.
      * Experience in the **V2V and P2V migration** of Physical servers to VMware ESXihosts.
* Converted several physical servers **(both Linux and Windows)** to virtual servers using PlateSpin.
  + - * Administrator on **SMS/SCCM 2007** System Management Server/ System Center Configuration Manager.
      * Created data store clusters and configured Storage vMotion as per requirements.
      * Monitoring Hardware health/Availability status and event alarms for Incident.
      * Performing initial **Cisco UCS cluster setup** and provide management IP addresses for blade servers.
      * Standardizing and supporting **Vblock-740/340 with Vmax-400k / VNX 8000** across different Data Centers.

**Environment:VMware ESXi 6.0/5.5 Server, Windows 2008 R2/2012 R2, SQL Server 2000, IIS 6.0/7.0, Dell Power Edge Servers, HP Servers, CISCO blade servers, Remote Desktop Services, IBM TSM, EMC Data Domain, NetApp.**

**DaVita, Denver, CO November 2014 to December 2015**

**VMware / Windows Server Administrator**

**Responsibilities:**

* + - * Responsible for installation, configuration and administration of entire VMware Infrastructure i.e. **vCenter, ESXi, VMware Update Manager (VUM), VMware Site Recovery Manger (SRM).**
      * Installed and configured VMware ESXi on several Cisco B-Series blades hosts from scratch at both (primary and backup) datacenters.
      * Worked on the EMC storage techniques like **EMC VMAX, VNX, XtremIO.**
      * Used **PowerShell** to execute commands/scripts, Installed remote server administration tools using **PowerCLI.**
      * To ensure reliable backups to meet operational and data recovery requirements.
      * To allocate and monitor storage to meet **Backup and Recovery requirements.**
      * Created and managed Virtual Machines with different Operating Systems (OS), and converted to templates as required.
      * Experience working in **VMware ESX (VSphere) 4.x, 5.x** hypervisor for virtualization and installed different OS such as **Linux, Windows.**
      * Managing **Active Directory components** including Domain controller's installation.
      * Configuring and Managing **Virtual Networks, Storage, Memory and processers for the Virtual Machines.**
      * Migration of active directory services from Windows NT to Windows 2000 to Windows 2003.
      * Built and configured new **2008R2 servers in VMware and Microsoft Hyper-V** environments
      * Used VMware vCenter, created Datacenter Environment by creating VMware clusters, adding ESX hosts in the clusters, MSCS Clustering and implemented **HA and DRS.**
      * Application Packaging and Virtualization using VMware View **ThinApp 4.7** to deliver virtualized applications to end customers and VDI users.
      * Handled all the vCenter operations like **vMotion, Storage vMotion, VM templates.**
      * Configured Resource pools and Shares in VMware Environment for Production, test and development environments.
      * Created and configured **VMware Standard and Distributed vSwitches** (Cisco Nexus 1000v switch), different port groups and migrated all the ESXi hosts and VMs from Standard switch on to dvSwitch.
      * Administer, maintain, and troubleshoot Active Directory environment including replication, group policy, and security.
      * Installed and configured vCenter update manager for installing ESXi patches and any missing VIB’s.
      * Experience in implementation of **VMware Site Recovery Manger** (SRM) and troubleshooting issues during the implementation.
      * Responsible for **Active Directory, Windows 2008 and 2012 OS, Window 7 OS.**
      * Administrating production servers/network infrastructure that includes Wintel, Windows.
      * Develop and maintain proper documentation for procedures, processes, and design builds in regards to the virtual infrastructure.
      * Involved in day to day support related to Data Center, virtual environment and documentation.

**Environment:Windows 2008 R2/2012 R2, SQL Server 2000, Dell Power Edge Servers, HP Servers, IBM Blade servers, CISCO blade servers, VCE vBlock Systems, EMC Data Domain, NetApp.**

**Inovalen, Denver, CO January 2012 to October 2014**

**VMware Administrator**

**Responsibilities:**

* Building new ESXi hosts from the scratch and Performed migration of all the VMs from **ESXi 4.1 to 5.5** with less downtime.
* Installing, Configuring & Trouble shooting of the new **ESXi 5.5 in Cisco UCS B420 M4 Blade Server.**
* Conversion of the old physical servers to virtual using **VMware converter.**
* Co-ordinated with the network team to plan the structure of network to be used for the new ESXi hosts like number of NICs, vLANs, subnets etc.
* Installation and configuration of **Windows servers 2008 R2 / 2012.**
* Installation of VCenter server and Configuring ESXi hosts within the cluster using VMotion and HA.
* Running patches and updates through update manager for the ESXi hosts.
* Co-ordinated 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.
* Built **Windows 2003/2008 Wintel Servers** on standalone basis and blade servers based on application design.
* Built, configured and deployed VMware Virtual Machines and templates.
* Creating and managing multiple snapshots.
* Configuration of VMotion, vSwitches, and VLAN.
* Created resource pools and added VM's into the pools.
* Worked on troubleshooting the triggered alarms generated from VMware vCenter Server.
* Used **vCOPS (vcenter operations Manager)** for monitoring and generating reports for VM environments like Test, Development and Production.
* Responsible for running Wintel on host operating systems (and applications) such as Microsoft Windows to run in a protected, virtual environment.
* Installed, configured and managed Microsoft failover clustering.
* Installed, configured and managed **Active directory, DHCP, DNS, Windows 2008 and 2008 R2 servers.**

**FIS GLOBAL – Jacksonville, FL January 2011 to December 2011**

**Systems Administrator**

**Responsibilities:**

* Installation and implementation of VCenter server to administrate the ESX servers which include licensing, HA/DRS clustering, managing the Fiber channel/ISCSI SAN storage configuration.
* Participated in 24/7 support roles for servers, to help maintain and troubleshoot both software and hardware.
* Managed **ESXi servers and VCentre.**
* Ensuring Data Protection and Disaster Recovery by using VMotion and VMware Consolidated Backup.
* Installed and configuring VMware Vsphere products.
* Managed **Microsoft 2008 / 2008 R2 active directory server.**
* Managed **Microsoft Exchange Server 2010 and 2013 versions.**
* Migrated production applications from physical servers to virtual instances within the downtime window.
* Created Clusters for High Availability and Dynamic Resource Scheduling.
* Utilized the Hot plug option for windows 2008 Servers and added processors, RAM, NIC, disks to the VM
* Troubleshooting issues relating to vMotion such as compatibility issues with help of event log
* Installed and managed Antivirus on all the servers and desktop.
* Installed and Maintained antivirus Server.

**Environment: Windows 2000/2003, SMS, SQL Server 2000, IIS 6.0, Microsoft WSUS, Windows XP, VMware ESX Server and Workstation**

**Microland, Bangalore, INDIA April 2010 to December 2010**

**Systems Engineer**

**Responsibilities:**

* Experienced with x86/x64 Intel, HP, IBM; Dell hardware like **rack-mounted servers**, tower servers.
* Installed, configured and maintained the **VMware ESX 2.x / Virtual Center 1.x servers.**
* Performed daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and application logs, and verifying completion of scheduled jobs such as backups.
* Active Directory Services, Active Directory **Group Policy Objects** **(GPO),** **Group Policy Management Console (GPMC), DNS Console.**
* LDAP set up for users for 'single sign-on'.
* Configure and **Managed Microsoft Outlook 2003/2007** for the users.
* Configured **Terminal Server** to access to the servers using Remote Desktop Protocol (RDP).
* Migrated Windows XP desktop environment to the Windows7.
* Excellent understanding of **SAN, NAS storage architecture**.
* Upgraded and configured system software that supports GIS infrastructure applications or Asset Management applications per project or operational needs.
* Applied operating system updates, patches, and configuration changes and then validating server.
* Monitored event logs, application logs, system logs and troubleshooting.
* Day-to-day internal company user issues troubleshooting including their system access, AD profile etc.
* Provided the backup and recovery of the files and data, worked on Windows Firewall, Terminal Server, and Troubleshooting computer related problems. Attending client calls related to computers and network problems.
* Installed, developed and maintained minor/major repairs to hardware, software, and peripheral equipment.
* Provided Remote Support and administration on network for internal and external clients using tools like **Microsoft Remote Desktop Connection (RDP).**
* Installed and configured network Printers.
* Provided technical support to users, solving connectivity problems.
* Managed disk space and system resources.

**Environment**: **Windows 2000/2003, SMS, IIS 6.0, Exchange Server 2003, Windows XP, VMware ESX Server.**

**Education:** B.Tech, JNTU, 2010