Monish Adapa

Sr. Windows/VMware Engineer

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**Professional Summary:**

* 10+ years of IT industry experience as a System Administrator managing RedHat Linux (RHEL) 4/5/6/7, Windows 2003/2008 R2/2012/2016/2019/2022, VMware 4/5/6/7 environment.
* Regular work involving building new Linux Physical and Virtual servers using kickstart and PXE.
* Strong knowledge of large-scale Linux deployment methodologies, kernel configuration, performance monitoring, and tuning.
* Expertise in the area of Virtualization with VMware vSphere, ESXi 7.0/6.7/6.5/6.0/5.5/5.1, 5.0, 4.1, ESX 4.0 servers, vCenter server 5.0, 5.1, 5.5, 6.0, 6.5, 6.7, 7.0.
* Expertise in Windows 2003/2008/2012/2016/2019 server & Linux administration and active directory administration.
* Created user accounts and group policies and troubleshoot the existing GPOs.
* Expertise in Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine
* Hands on experience on Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Experience on install, configure and troubleshooting Microsoft Physical and virtual clusters.
* Experience and Familiar with Virtualization technologies like installing, configuring, administering VMware ESX/ESXi. Created and managed VMs (virtual server) and involved in the maintenance of the virtual server.
* Experience with enterprise backup systems and disaster recovery operations; familiarity with SAN technologies; solid understanding of vSphere 4/5/6/7 implementation with shared storage fiber channel, ISCSI, NFS / VMFS strategies for performance and optimization.
* Expertise with IP sub-netting, VLANs, Load Balancing, and High Availability (HA) architectures.
* Strong experience with the VMware HA (High Availability), Fault Tolerance, Distributed Resource Scheduler (DRS) and VMware Distributed Power Management. Co-ordinated with the network team to plan the structure of network to be used for the new Virtual hosts like number of NICs, vLANs, subnets etc. Utilized various AWS services to manage the infrastructure and Horizon VDI
* Expertise in Dell physical servers and HP Proliant blade, UCS C240 M3 Rack servers.
* Responsible for server builds, patch management, antivirus and updates.
* Expert knowledge on configuring hardware iSCSI and NFS storage to VMware ESX (i) hosts from vSphere client.
* Experience in configuring VMware standard vSwitch&dvSwitch(distributed switch).
* Experience in Planning, Installing, Configuring, and Upgrading vCenter Server and VMware ESXi products
* Expertise in creating AD(Active Directory) 2003, 2008 R2, 2012, 2016, 2019 accounts, file permissions, DNS records administration.
* Expertise in assisting with the administration and upgrading from Windows 2003 to 2008 R2/ 2012/2016 active directory and domains.
* Flawless Experience in RHEL/Windows Server provisioning, Upgrades, Patching, Configuration and Performance Tuning in Linux, and VMware environments, HPC Environment.
* Proficient in Server Builds, Installs, Upgrades, Patches, Configuration and Performance Tuning in Red Hat Linux/Windows Server 2003/2008 R2/2012 on VMware virtualized environments.
* Worked with server deployments of windows, linux machines in AWS.
* Expertise in creation of RHEL and Windows 03/08/12/16/19 servers utilizing templates, custom ISO’s and Power CLI scripts.
* Experience in creating protection groups, recovery plans, test DR plans, and SRA’s in SRM.
* Experience in developing documentation and runbooks for disaster recovery plans via SRM by coordinating with multiple datacenters cross various locations. Experience with AWS Cloud management and Ansible Automation.
* Performed daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and VM logfile, and verifying completion of scheduled jobs such as backups, checking alerts and alarms, managing private cloud. Experience in Active Directory Administration, Group Policy Management.
* Hands-on experience on Citrix Provisioning Services, XenApp, App-V, Appsense, XenDesktop, App Volumes, RDSH and VMware ESX/ESXi.
* Worked VMware Data Center Virtualization and Microsoft Azure Cloud Computing.
* Patch management using WSUS, SCCM; Worked with TCP/IP network protocols.
* Experience with Microsoft desktop version like Windows 7, 8, 10. And On-Call Support, Production support, .Net framework, Tape Backups and saas environments experience
* Expertise in advanced features of ESX/ESXi 4/5/6,6.5 vMotion, Storage vMotion, HA, DRS, and Update Manager.
* Expertise with maintaining and updating g the Domain Controllers and RODC in Windows Server 2003/2008.
* Excellence in upgrading of ESXi 4.1 to ESXi 5.0, 5.5, 6.0, 6.5, 6.7, 7.0hosts, vCenter 6 to 7, and 6 as well as upgrading 2500+ VM’s from Virtual machine hardware 7 to 8, 9, 10 as part of a major enterprise upgrade.
* Knowledge on Windows PowerShell command line and scripting environment.

**Technical Skills**

**Virtualization**: ESX/ESXi server7.0/6.7/6.5/6.0/5.5/5.1/5.0/4.0/4.1, VSphere Client, VCenter, VMotion, Storage VMotion, Vmware. Update Manager, VMware Tools, VMware Converter, VMware Workstation, Microsoft Hyper-V,Vrealize, DRS, HA and FT.

**Hardware:**HP C7000, Cisco UCS

**Server Operating:** MS Windows 7/8/10, Server/Exchange Server (2000/2003/2008/2008 R2/2012, 2016, 2019,2022), Red Hat Linux (Enterprise Linux 4/5/6), OEL, AIX, UBUNTU, SUSE 8/9/10.

**Scripting:** VB Script, Perl and Power CLI.

**Cloud:** Azure Cloud

**Languages:** C, C++, FORTRAN and Pascal

**Storage:** DAS, NAS (NFS), SAN and ISCSI.

**Database:** MS-SQL Server and Oracle 8/9i/10g/11i, IBM DB2.

**Backups:** VERITAS Netback up, NDMP, TSM, Avamar and Windows NT Backup.

**Antivirus:** Symantec Endpoint, Norton Antivirus and McAfee.

**Networking:** Cisco 25xx, 35xx Routers and 35xx Switches, Brocade and Cisco DS fabric switches.

**Network Protocols:** TCP/IP, UDP, DHCP, HTTP, HTTPS, VPN, DNS, NTP, WINS, FTP, SSH, WinSCP and Telnet.

**Terminal Services:** Remote Desktop Services, VNC, Putty, Tera Term, Team Viewer, cytrix, Logmein and Terminal Services.

**Internet/Intranet:** IIS 10.0/8.5/8.0/7.0/6.0/5.0, Internet Explorer 8.0/7.0/6.0, LDAP

**Work Experience**

**Role: Sr. Windows/VMware System Engineer**

**Client: Providence Health & Services, Renton, Washington. July 2021 – Present**

**Responsibilities:**

* Support and Manage VMware 7.0/6.7/6.5/6.0 infrastructure, installation and configuration of vCenter Server.
* Configured vCenter and ESXi for vRealize Automation and NSX integrated environment.
* Built Windows 2012/2016/2019 Wintel Servers on standalone and blade servers based on application design and deployed stack on these servers. Resolving server issues - Windows 2012/2016/2019/2022 server, Network connectivity, etc.
* Responsible for vRealize configuration Manager and its configuration. Installed agents on Windows server for patch management.
* Worked on Azure Multifactor Authentication, AD FS service to enable SSO with Office 365, Single Sign-on SSO with Azure and Office 365. VMware Horizon Client/VDI support and management
* Created and managed Host profiles, Datastore Pools for Multiple Host and Datastore Clusters across Multiple Data centers. ESXi patching using VMware Update Manager.
* Configured and maintain new VM's, install Microsoft Windows 2019/2016/2012 Servers, manage VM's and ESX servers and install VMware Tools on VM's. Configured Azure Cloud Infrastructure to take VM level backups using the ARM templates by creating groups and users using IAM and protect the VMs using Azure Backup vault. Administration of Active Directory in Windows 2003 / 2008R2 / 2012 R2 / 2016 / 2019 /2022 environment. Creating packages for latest version applications and deploying them to all workstations through SCCM 2012
* Provide support to Active Directory Replication Services, Active Directory Sites and Services, Active Directory integrated DNS, Sysvol Replication, DFRS. Provisioning and de-provisioning of Domain Controllers.
* Configured and managed SAN (storage area networks) and DAS (direct-attached storage) volumes using Fiber-Channel, SCSI and Windows Storage server iSCSI connections. Designed and Implemented Microsoft Active Directory.
* Experience in Private Cloud and Hybrid cloud configurations, patterns, and practices in SQL Azure and Azure Web and Database deployments End to End patching of hundreds of Windows serves spread across different time zones using IBM Tivoli End Point manager (Bigfix).Inventory management, software distribution, OS deployment using TEM (Bigfix) and  resolved various inter-operability issues between Wintel Windows
* Deep knowledge of VMware enterprise features (DRS, HA, vMotion, VSAN, Update Manager) and P2V tools such as VMware Converter. Experience in working with Software Configuration Management tools - Ansible and Chef.
* Experience on Host Profiles, Distributed Switch, DRS, VMotion, Storage vMotion, Resource pools, permissions, Patches, Snapshots, Tools Upgrade, disk expansions, Templates.Managing vCenter permissions.Installation of VMware Tools and upgrade of ESX hosts.
* Administered VMware ESXi Servers on HP C7000/Cisco UCS Blade Server Environment.
* Responsible to manage all administration work of Windows 2008/2012/2016 servers, Linux Redhat, Hyper-VMware Server. Configured and managed vSphere 5.5, 6.0, 6.5, 6.7, 7.0 ESXi hosts and VMs.
* Experience deploying ESXI based servers using hp ilo and cisco ucs for datacenter production and lab servers. Sound knowledge in migrating on premise to Windows Azure using Azure Site. Develop one off PowerShell scripts for the customer's support teams to efficiently fix errors found through the Active Directory environment. Created and provided system reports, via SCCM
* Restoration and Hardening of Windows Servers which are affected by Malware.
* Experience on Active Directory Health Check and diagnostic tools like ADRAP, ADST, dcdiag, repadmin, replmon, netdiag.Troubleshooting issues related to Active Directory, DNS and DHCP server for VDI environments.
* Involved in Operational support for B-Series and C-Series Cisco UCS hardware that runs VMware vSphere 5.1/6.x/7.0.
* Implemented and designed cloud solution based on VMware VCloud Director for users.
* Expertise in troubleshooting and resolving issues in enterprise Citrix environment, Including Web Interface, application enumeration and performance issues, Printing and provisioning issues, for internal and external clients.
* Configured Source Control for Azure Automation Account, Created PowerShell Runbooks which was checked in for source control, version history, management, and security.
* Administering Windows servers 2008/2012/2016/2019/2022 Active Directory, DNS, DHCP and building new windows physical/virtual servers as per the requirement of the project. Creating and maintaining users, profiles, security, rights, disk space and process monitoring.
* Experience deploying ESXI based servers using hp ilo and cisco ucs for datacenter production and lab servers. Sound knowledge in migrating on premise to Windows Azure using Azure Site. Develop one off PowerShell scripts for the customer's support teams to efficiently fix errors found through the environment. Created and provided system reports, via SCCM
* Up gradation of Active directory 2003 to 2008 and troubleshooting AD problems.
* Created new VMware virtual machines to meet the specifications provided by the Client.

**Role: Windows/VMware/Wintel Engineer**

**Client: Benchmark Electronics Inc., Tempe, Arizona. Feb 2019 - Jun 2021**

**Responsibilities:**

* Expertise on windows OS server configuring, administrating, managing windows 2008,2010,2012 R2, 2016
* Worked on the Installation, Configuration and Administration of the VMWare vSphere (6.7/6.5/6.0/5.5/5.1/5.0/4.0/3.5) and Virtual Center Server and monitored the migration of ESXI Servers versions including 3.5/4.0/5.0/5.1/5.5/6.0/6.5/6.7 and vCenter Server.
* Configured and deployed ESXi server in corporate production environment and Installed VMware ESXi server on all physical server to host multiple virtual machines. Used Ansible, Chef and AWS services for desig
* Expertise on windows files system cifs/smb shares, ntfs, creating, setting permission, security setup.
* Installation and configuration of Microsoft Windows 2008 R2, 2012, 2016 Servers on Virtual Machines,
* Experience designing, deploying and configuring VMWareVRO in production environments.
* Creating a templates like template properties, environment variables, modules, and other template functionality to create dynamic configuration and template files.
* Managing BAU activities for VMware ESXi and Windows Environment.
* Troubleshooting IIS related issues across all server environments.Coordinated the Data Center migration efforts.
* Used VBScript, PowerShell for Custom actions and created components and associated with feature as required.
* Operated on vCloud Director and maintained its configuration; acted as a Post Migration support on the Project of Office 365 from Exchange server 2013, VMs through template and created troubleshooting virtual networks, standard switches, and distributed switches.
* Worked on the VMWare Update Manager to install and troubleshoot patches on ESXi servers and virtual machines.
* Deployed Business critical technologies VMWare SRM 5.x/6.x/8.x and VMWare View. Web Server Administration -IIS. Managing IIS 7.0/IIS 8.0/10.0 Web servers and hosted web sites. Configured Network architecture on AWS with VPC, Subnets and Internet gateways.Designed, Build, deployed VMs and hardened enterprise Linux environments (RHEL 5, 6, and 7).
* Created tools to easily repair WMI and SCCM clients remotely.
* Administered backend SCCM servers. Provided SCCM documentation, network diagrams, and Troubleshooting flowcharts.
* Manage access control within vRealize Operations Manager.
* Hands on design and development experience with vRealize Automation (vRA) and vRealize Orchestration (vRO
* Troubleshooting all types of server and web site related issues in the IIS platform.
* Conducted various P2V, V2V migrations, created clones and templates for virtual machines; rolled out VMs through template and created troubleshooting virtual networks, standard switches, and distributed switches.
* Used IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.
* Management of Linux user accounts, groups, directories, and file permissions.
* Leveraged VMware infrastructure implementation and consolidation expertise to implement P2V migrations, blade server capacity planning, high availability and failover settings on newly installed blade servers and existing rack mount servers.
* Building Windows 2008/2012 R2/2016/2019 servers based on the company standards and decommissioning the servers.
* Monitoring and performance tuning for both AD and Windows operating systems including connectivity, synchronization, replication, net logon, time services, FSMO roles, schema, NTDS database partitions, AD Backup and Recovery, ADFS,certificateauthorities and trust relationships. Administration of production servers, network infrastructure that includes Windows administration of Domain controllers, Migration activities, IIS web servers, File and print servers and terminal servers
* Administer Active Directory, Group Policy, configure security groups, service accounts, group, and personal network shares.
* Stood up Linux Red Hat 7 servers and Linux appliances IBM QRADAR, IBM Guardium, Tenable
* Represent Everest Server Team during over the shoulder meetings to configure and troubleshoot Linux appliances with vendors.
* Run Everest approved PowerShell scripts to automate administrative tasks.
* Installed and configured IBM Win Collect via PowerShell on over 1000 Windows 2016/2012 servers.
* Decommissioned over 200+ HP Gen 8/9 Windows 2008/2012/2016servers.
* Experience with static desktop and dynamic desktop supporting technologies such as Thin Cloning, Provisioning, Application Virtualization (App-V). implemented automated security patch updates using AWS System Manager Patch Manager implemented automated security patch updates using AWS System Manager Patch Manager

**Role: Windows/VMware Administrator**

**Client: Albertsons Inc, Boise, Idaho. Oct 2017 - Jan 2019**

**Responsibilities:**

* Installed VMware ESXi server 5.5 on all physical server to host multiple virtual machines
* Leveraged VMware infrastructure implementation and consolidation expertise to implement P2V migrations, blade server capacity planning, high availability and failover settings on newly installed blade servers and existing rack mount servers
* Installed, upgraded, patched, and configured Linux servers using Jumpstart and RedHat Enterprise Linux 5/6/7 using Kickstart. I/O, kernel internals, TCP/IP communications.  Added Nutanix Clusters and ESXi hosts according to Business requirement. Install New blades and chassis (Both B-Series and C-Series Servers).
* Configured VMware HA, VMware DRS in acquiring higher efficiency for VMware Infrastructure
* Installed and worked on VMware Site Recovery Manager (SRM 4.0) for the disaster recovery and managed recovery plans.
* Used Avocent DS View Module for the remote server access to the Dell rack servers
* Defined the Patch Management process for the VMware Environment to upgrade the Hosts and VM’s and Successful completion of Update Manager Installation in all the Environments.
* Create VMs on ESX hosts for installing, configuring, and managing guest operating systems such as Windows server 2003, Windows 2008, Windows 2012, Windows 2016 and Windows 2019. Handling migration of Windows 2012 Servers to Windows 2016 and Windows 2019
* Worked with User Environment Manager (UEM)enhances the Horizon Enterprise offering by enabling customers to take advantage of user and application management for Horizon virtual desktops. Handled Linux and Windows virtual servers on AWS EC2 using Chef Server.
* Windows Server and Desktop administration. Upgraded RHEL 5.5 to 6.0, 6.5 along with the middleware applications support and Apache Webservers. Perform vRealize Operations Manager 5.x implementation and installation across 2 datacenters.
* Extensive experience in managing Data Center environment with Administering, Installing, and Troubleshooting of Microsoft Servers and Workstations that includes Active Directory Services, IIS Servers, DNS, and DHCP.
* Manage various AWS/AZURE environment for provisioning of windows /Linux servers and services implemented by the providers.
* Extensively managed all the problems related to user accounts, domain accounts, managing permissions etc.
* Assist in P2V and V2V conversion of Windows 2008 R2/2012/2016 server editions fusing enterprise VMware converter and also installed the VMware tools on that machine.
* Installation and configuration of Microsoft Windows Vista, XP Wintel server, Professional, Windows 2003, 2008 and 2012 WintelServers.
* Installation and configuration of VMware ESXi 6.5, 6.0, 5.5, 5.1, 5.0 installation and configuration of VMware Virtual Center Server and creating Virtual Machines.
* Implemented vRealize Operations Manager (vROps) and created intuitive and customizable dashboards, views and reports for Enterprise customers in monitoring the infrastructure environment with analytics and proactive remediation.
* Experience in maintaining vSphere Center 6.5, 6.0, 5.5, 5.1, 5.0, ESXi 6.5, 6.0, 5.5, 5.1, 5.0, Realize Automation, Operationalizations Manager, vRealize Orchestrator in a VMware virtualized environment.
* Service Delivery & Operations for Windows, Active Directory, ADFS, DNS, DHCP, failover Clustering, Hyper –V and Azure Infrastructure. Managing VM on Azure using Azure Resource Manager and Templates.

**Role: Windows/VMware System Administrator**

**Client: Skanska, Cortez, Colorado.       May 2015 - Sep 2017**

**Responsibilities:**

* Performed ESXi Hosts and Virtual Machine migrations between Development, Integration, and Production environments and across Datacenters
* Supported VMware, specifically ESXi5.5 to monitor cluster performance, optimize the server environment, diagnose and resolve production issues amongst Data Centers and over servers. Configuration of vMotion, vSwitch, and VLAN in VMware vCenter.
* Maintained Windows Servers 2008 R2, 2012 R2 administration created User Accounts and Groups in Active Directory (AD) as required after gaining required approvals. Day-to-day maintenance of UNIX servers and troubleshooting.
* Installing and troubleshooting Vmware Workstation & Vmware fusion.
* Configuring HA & DRS clusters and setting the priority levels.
* Patching the servers through Altiris/ manually, Setting alerts and alarms in the Virtual centre.
* Daily Routine health check of critical VM’s and bare metal DB servers.
* Adding processors, memory and extra disks/ expanding disks for a Virtual machine.
* Deploying, Handling and Maintenance of different servers like Active directory, Domain Controllers, Anti-Virus.
* Creating users, groups and configuring the Group Policies.
* Troubleshooting ADS, DNS, DHCP server and clients, Monitoring and Troubleshooting Domain related issues.
* Installation of Windows 2003, 2008 Servers.
* Analyzed and Implemented OS patches and hot fixes as well as other OS configurations and updates using Blade Logic Patch Management tool and deploy patches using vCenter update manager. Assigning LUN's from storage array to ESX Server.
* Configuring vNetwork Distributed switches and migrating the networks from VNetwork standard switches to vNetwork Distributed switches.
* Configured VMware on clustered environment, Implemented vMotion, DRS, HA.
* Performed P2V Hot conversions using converter enterprise 4, 5 and the P2V cold conversion using VMware Converter Boot CD.
* Used CA Desk and Service Now for ticketing process on fixing Incident Reports and Change Requests.
* Installing and configuring Antivirus on all the servers.
* Engage hardware and software vendors to assist in improvement of current VMware environment and research and evaluation of the latest technologies.
* Maintaining servers in EMC storage like EMC VNX and VMAX.
* User Profiles manage Implementing user policies and Group Policies.
* Managed Active directory, DNS, WINS and DHCP Servers. Managed Users & Other AD objects.
* Worked on V2V and P2V migration of Physical servers to VMware ESXi hosts. Converted several physical servers (both Linux and Windows) to virtual servers. Administrator on SMS/SCCM 2007 System Management Server/ System Center Configuration Manager.
* Installed and configured VERITAS Net backup to manage and maintain backups of UNIX environment to IBM Tape Libraries.
* Worked on Shell scripts and Perl scripts for automation of daily tasks using Cron tab.
* Troubleshooting Unix/Linux network and security related issues.
* Solving various system related issues: such as high load-average, reduction of waiting I/O percentage.

**Role: Windows/VMware System Admin**

**Client: Shell, Houston, Texas. Feb 2014 - Apr 2015**

**Responsibilities:**

* Installation and configuration of VMware ESX i 5.0,5.1 5.5 installation and configuration of VMware Virtual Center Server and creating Virtual Machines
* Assist in P2V and V2V conversion of Windows 2000 and Windows 2003/2008/2008 R2 server editions fusing enterprise VMware converter and also installed the VMware tools on that machines.
* Experience with Cisco UCS 5108 chassis and Blades B200 M2 administration
* Worked on Cisco UCS Chassis with B200 and B200 M2 blades
* Created vCenter Orchestrator plug-ins to extend the functionality to include manipulating Cisco's Unified Computing System UCS
* Job also includes creating templates and deploying Virtual Machines through templates, cloning Virtual Machines and managing Virtual Center permissions
* Creating and Managing VMware cluster with HA and DRS
* Creating and Managing resource pools for Virtual Machines
* Monitoring and managing performance of ESX servers and Virtual Machines
* Using Virtual centre server for HA, DRS and vMotion.
* Working on Migration concepts like vmotion and Cold migration
* Creation Troubleshooting of Virtual Network
* Troubleshooting ESX i Virtual Machines
* Build templates from VMs and Creation of VMs from templates
* Performance monitoring and tuning for ESX Servers, Virtual Center Server and VMs
* Migrate / Upgrade ESX 4.1to ESX i 5.0
* Design and implement systems, network configurations, and network architecture, including hardware and software technology, site locations, and integration of technologies.
* Test, maintain, and monitor computer programs and systems, including coordinating the installation of computer programs and systems.
* Installed configured administered Windows 2000/2003 Servers and Windows7, Vista/XP/2000 Pro work stations
* Imaging of workstations, laptops, TCP/IP connectivity issues, remote support using VMware, Hyper V, RDP, LogMein, Team viewer etc.
* Coordinated with external vendors to provide timely service and issue remediation
* Provide On- site support, On call support
* Supporting their mailing applications like Outlook, supported Active Directory, Group policies, Client Server application interaction, basic web systems, Exchange 2003 2007, VMware, Terminal Services, Enterprise back-up of hardware software whenever required, Installation Administration of Anti-Virus Software applications.