**Usman Muhammad**

**Sr. System Engineer (VMware/Windows/Wintel)**

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**Summary:**

* Around 11+ years of experience in Virtualization with Installation, Configuration, Administration, Support of VMwareESX3.5/4.0, VMware ESXi 4.1/5.0/5.1/5.5/6.0/6.5/6.7/7.0 Windows Server 2003/2008/2008R2/2012/2012R2/2016/2019 and Azure Cloud.
* Experience on Data Center Migration from Remote Data center to New Data Centre. Experience on vMotion and sVmotion, HA feature, DRS feature.
* Installation, Configuration and Administration of Windows servers 2003, 2008, 2012, 2016, 2019 Active Directory Services, Installation and Decommissions of Legacy servers, FSMO Roles, DNS, DHCP, HTTP, FTP, SSH, SMTP,user Permissions, User Management, Print and File server, NETIQ DRA(Directory & Resource Administrator)application, auditing of Active Directory changes using Dell Change Auditor, Dell Recovery manager(to recover deleted objects from AD) LDAP Application Integration, Identity and Directory access Management and PKI. Expertise in administering File servers and Print servers
* Troubleshooting various network issues through various commands like PING, TRACERT, ROUTE, and PORTQUERY and using NETMON to capture network traffic and analyze. Ability to understand the network protocols such as HTTP, HTTPS, TCP\IP and each layer in OSI model.
* Ability to fetch the domain data and group policy settings for the servers in Active Directory (2003, 2008) using Active Directory Users and Computers, Active Directory Sites and Services and LDAP. Experience with Data Center migration in virtualization infrastructure.
* Involved in Monthly Security Patching, Applying Patches Including manual patching and Automation using SCCCM, WSUS Service to manage the distribution of updates and hotfixes. Extensive experience in administration of Windows 2008/2003 servers in single and multi-domain platforms.
* Expertise in building Microsoft Windows 2008 R2, 2008 and 2003 servers using MDT, Blade Logic. Strong knowledge and hands on experience in data center Migration. Working knowledge of Microsoft products, including Windows Server 2008 – 2012 R2, WSUS, Active Directory, DNS, WINS, DHCP, Power shell.  Experience in Migrating from HP blade servers to CISCO UCS B200M3/4 Servers. Experience migrating from ESXi 5, 5.5 and 6.0 to 6.5
* Involved in Windows upgrades for Servers from Windows 2008 R2 to Windows Server 2012 and closely worked with Developers to perform deployments and help in troubleshooting the issues. Installation, Configuration and Administration of Windows 2008 and 2012R2 Servers
* Strong Working Experience with Active Directory, GPOs, DNS, DHCP, File & Print Server, IIS (Web Server), FTP Links, LDAP integration
* Intense knowledge of windows client OS. Proficient with windows 7 and windows 8, 10.  Deep Knowledge about installation and management of windows 7. Experience to generate the different types of reports from SCCM.
* 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.
* Hands-on experience and project management including Windows Server 2003,2008,2012,2016,2019 and VMware Virtualization VMotion, P2V, V2V, VMware Update Manager, VMware Workstation, Citrix Xen Desktop, Xen App, XEN Server. Installation, configuration, Administration of VM Ware ESX/ ESXi, Virtual Center. Experience implementing Azure AD Connect and sync on prem active directory to azure.
* Experience on Creating virtual machines, installing operating systems inside VM’s, and installing tools and configure these VM's based on customer requirements. Completed application deployments via SCCM and troubleshooting of problem clients/installations.
* Experience in Microsoft Active Directory, infrastructure solutions, messaging, and Unified Communications areas to perform configuration, testing, and deployment of all Microsoft virtualization, Exchange, and related technologies. Configuring Resource Pool, Alerts, Alarms.
* Provide Office 365 configuration/migration, IT support for Office 365, Microsoft Exchange Server Enterprise, and Microsoft Exchange Server.
* Experience in working on upgrading, transitioning, and migrating Exchange to the latest version. Sound knowledge ESX and ESXI Architecture, guest OS installation, setting up of VM priorities, Cloning and Snapshots. Strong working knowledge of scripting PowerShell and vbscript for Windows.
* Installation, Configuration and Administration of Virtual Infrastructure using ESX/ESXi, VMware V sphere 4.x, Virtual center 4.X and 5.x Servers.
* Experience on server build and configurations on Exchange, troubleshooting and reporting skills on Exchange 2007 and Exchange 2010.
* Performing Snapshots, Cloning, Cold Migrations, Hot Migrations and Templates. Good Knowledge on Deploying and Managing Virtual Machines using Virtual centre through OVF/OVA. Convert physical machines to virtual machines (P2V) and virtual machines to virtual machines (V2V) with VMware converter. Good understanding and working knowledge of EMC Avamar, and EMC VNX, VMAX and XtremIO storage.
* Creating Virtual Switches and port groups in virtual environment. Moderate testing experience in Microsoft HyperV and Citrix XenServer.
* Configuring vSphere Standard Switches (VSS) and virtual distributed switches (VDS). Configuring LUNS to ESX/ESXi host data stores and extending the data stores. Updating and Upgrading the ESX and ESXi servers using VMware update manager. Knowledge and experience on scripting tools such as PowerShell, vCLI.  Configuring and troubleshooting HA and DRS feature using CLI. Monitoring performance of server using advanced monitoring and Diagnostics tools.
* Involved in running the deployments using various techniques such as using batch files, PowerShell scripts, MSI packages and few internal tools.
* Worked in MS Azure Environment, Managed Compliance and Security across Windows Azure services by performing internal audits in compliance with Fed Ramp, SOC, ISO.  Performed Fedramp, ISO/SOC Vulnerability Scanning. Administration of Active Directory Services, DNS, DHCP protocols.
* Ability to fetch the domain data and group policy settings for the servers in Active Directory (2003, 2008) using Active Directory Users and Computers, Active Directory Sites and Services and LDAP. Knowledge and Performing analysis on phishing emails and associated malware and other security.
* Worked closely on system management tools such as SCOM, SCCM in order to monitor the health and performance of servers and their applications.
* Worked on Incident management and Problem management using ticketing system (which are part of ITIL, information technology infrastructure library
* Automation of Windows Admin tasks such as Disk space, registry editor changes, defragmentation and Disk partitioning using Power Shell and scheduling them using Task Scheduler. Configuring the DHCP server, creating a Scopes, Verifying the DHCP Client and DNS Protocols.
* Creating Powershell and Power CLI scripts to pull the CPU and Memory usage, Disk Space, to analyze the Servers health remotely.
* Experience working on Hardware incidents and troubleshooting Network issues through various commands like TRACERT, ROUTE, PORTQUERY and using NETMON to capture network traffic and analyze.  Knowledge of Site Recovery Manager on disaster recovery and VCenter Operations Manager
* Experienced in installation, configuration, design and ongoing maintenance of Cisco router and switches.
* Strong understanding of VMware Networking concepts like creation of Standard and Distributed vSwitch, different types of port groups, NIC Teaming and VLAN Problem management on VMware ESXi 5.X/6.X. Experience in creating Baselines and managing patches using VMware Update Manager – VUM.
* Install new and rebuild existing ESX/ ESXi Hypervisor, Citrix Xen App and configure hardware, peripherals, services, settings, directories, storage, etc in accordance with standards and project/ operational requirement. Experience in Migrating from VMware ESXi to Hyper-V with SCCM SP1 R2.
* Knowledge of maintaining Business Continuity and performing Disaster Recovery (DR) using VMware Site Recovery Manager (SRM).
* Worked VMware Data Center Virtualization and Microsoft Azure Cloud Computing, Failover Clusters. Experience in configuring VMware standard vSwitch & dvSwitch.  Experience on Group policies, SCOM, SCCM and configuring file/print services.
* Expert knowledge on configuring hardware iSCSI and NFS storage to VMware ESX (i) hosts from vSphere client. Installing & Upgrading of VCenter, Vsphere Client, ESX &ESXi Hypervisors, VMware workstation. Experience working on PowerShell and command line interface.
* Installing, Configuring and troubleshooting of Active directory services and Domain naming systems in windows environment.
* Experience in Active Directory, GPOs, DNS, DHCP, File & Print Server, IIS (Web Server), FTP, Terminal Server, RIS/WDS, RRAS, NAT, WSUS, Microsoft Clustering, Exchange Mail Server and ISA Server Expertise in creating and configuring Data Centre and clusters in vCenter server.
* Configuring and troubleshooting Group policies for controlling computers and users. Experience in round the clock service (24/7), and on call support.
* Working Experience with Active Directory Components (AD Users and Computers, DNS, DHCP and WINS etc.). Managed and dealt with changes, ITIL IT operations and their executions Monitor pending issues and ensure closure within SLA
* Ability to lead technical discussions and projects in an organized manner Ability to document strategies and designs and present to these ideas to management with cost/ benefit analysis Strong interpersonal skills, including both written and verbal communication skill.
* Worked as an individual contributor as well as in a team. Self-motivated and energetic professional. Strong Organizational skills and ability to multitask. Ability to quickly acquire an in-depth knowledge of the organization`s infrastructure and emerging technologies.
* Having Good Knowledge of Amazon AWS Cloud Services, (EC2, S3, EBS, ELB, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, Cloud Front, Route53, Cloud Watch.
* Transfer data from Datacenters to cloud using AWS Import/Export Snowball service. Installed EMC recovery point of VM for the V2V migration and datacenter disaster recovery solution. Setup the email alerts for virtual center and setup the SNMP monitoring for the HP chassis.
* Installed and configured the EMC networker for backup of the VM. Prepared and successfully implemented the VMware script that decreased the post migration activities timelines. Implement and Troubleshoot VMs in the Oracle cloud.
* Extensive experience in managing vendors (HP/CISCO UCS/Vision Solutions/Microsoft/VMware etc. Experience using remote management tools like ILO/DRAC/Cisco UCSM and vSphere Client etc. Installing, configuring websites and web applications on different versions on IIS 8.0/7.5/7/0 and 6.0.
* Extensive experience managing Compute environment in datacenter like Chassis and Blade Management, replacing Hardware, Racking of new Chassis and Blades, updating firmware etc. on HP and CISCO UCS servers. Experience in VMware VDI administration using VMware Horizon View.
* Experience in ITIL Driven controlled environments. Using Change management principles to ensure all the incidents and change tickets were addressed as per SLA and SLO. Used Tools like CA Uni center, BMC Remedy, Clarity, HPSM, WFM, and Star Client for managing Incidents and Change tickets.
* Developed PowerShell scripts to automate various tasks in Active Directory & VMware PowerCLI automation. Experience working closely with Security Service teams for least privilege configurations. Experience in creating and maintain group policy objects for Windows servers host access.
* Customized Windows Server 2003/2008 R2/2012/2012R2/2016/2019 servers in terms of Registry, Audit/Account/Security policy, patching to sustain Company Standard Operating Environment. Experience in monitoring vSphere environment for alerts and support production teams on escalated or higher priority issues. Experienced in designing, deploy and utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS CloudFormation. Created AWS Route53 to route traffic between different regions.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates. Experience on IIS (Web Server) 6.0/7.0/7.5/8.0/10.0 Architecture, Deployment, Security & Configuration mechanism
* Experience with most layers of AWS offerings and integration, and migration of existing metal solutions into virtualized hosting environments using EC2, S3, VPC, ELB, Cloud Watch, Cloud Front, IAM, Aurora, Route53, Auto using with Cloud watch metrics integration. Implemented high availability with Azure Classic and Azure Resource Manager deployment models.

**Education:**

* Bachelor’s in Computer Science, Virtual University of Pakistan, Lahore, 2010.

**Technical Skills:**

**Operating Systems** : VMware 7.0, 6.x, 5.x, 4.x, Windows Server (2019, 2016, 2012 R2, 2008 R2 and 2003), Windows10, 8, 7, Windows XP,

**VMware Products** : Virtual Center, ESXi7.0, 6.x, 5.x, 4.x, ESXi 5.x, 6.0, 6.5, 7.0,vMotion, HA, DRS, Managing Resource pools, ESXi, VMware Workstation,VMware Converter, Virtual Center,ESXi Patch Management, vCOPS, VDI's, Vcloud, vRealize.

**Firewall :** Checkpoint, iptables

**Applications :** Microsoft Project Planner, Visio, Microsoft Exchange Server.

**Networking :** LAN / WAN Technologies, TCP/IP, DNS, Virtual LAN, VSwitch, Network Design and Troubleshooting, Active directories, DNS, DHCP, Web Servers.

**Protocols/Standards :** TCP/IP, RIP, EIGRP, OSPF, FRAME RELAY, ETHERNET, NAT, PAT, SPANNING TREE, ARP, SIP, MGCP, H232.

**Security :** Operating System/Network Hardening, Access controls, AAA, Firewall deployment, RADIUS< TACACS+

**Hardware :** IBM Blade center HS-series/X-Series HS22/HS23, Cisco UCS B200's B250's M1's M2's HP BL460C, C-7000, DL580's.

**RDBMS :** MySQL Oracle, MS SQL

**Storage :** iSCSI SAN, FC SAN, NAS, EMC Clarion, VMAX, VNX, Netapp 6240,6040 FAS Solutions.

**Cloud technology :** Azure, AWS

**Professional Experience:**

**Sr. System Engineer (VMware/Windows/Wintel)**

**Omnicell, Inc.Mountain View, California**

**Jun 2021 to Present**

* Manage & support a large client base Windows 2000/2003/2008R2/2016 in a multi domain/forest Active Directory of windows server on 24x7x365 basis in an enterprise infrastructure. Administration & management of delegation using Quest Active Roles server.
* Troubleshoot Microsoft Windows Group Policy settings on desktop and Citrix servers.  Monitoring, troubleshooting and problem resolution of IP Services - DNS, DHCP, and WINS, using Tivoli. Developed custom Identity Management component to synchronize Active Directory, LDAP, and legacy systems.
* Involved in creating the Azure Services with Azure Virtual Machine.   Need to gather data for User and computer migration and prepare for the file to be uploaded in Quest migration manager. Deployed Windows security and third-party software updates with WSUS and SCCM.
* Monitored infrastructure using Microsoft System Center Operations Manager (SCOM). Developed custom web-based self-service identity management website using ASP.Net technology. VSphere upgrade project Upgrade VMware from Version 5.5/6.0 to 6.5/6.7/7.0.
* Health checks of the servers (dcdiag/netdiag/nltest/repadmin/replmonetc, VB scripts) and resolving directory & windows OS related issues. Worked on VMware ESX 6.5/6.0/5.5/5.1/5.0 Installation and virtual machines setup using Virtual Infrastructure client.
* Deployed Azure services for a hybrid-based authorization and encryption system. Good at VSphere PowerShell scripting. Good experiencing on automation of several repetitive tasks. Creating workflows using VRealize Automation VRA. Automate VM Builds using VRealize Orchestration.
* Strong experience in package migration from win XP to win 10/7 using SCCM 2012, SCCM 2007.
* Replace Memory, CPU, Mother Boards, Blades, Chassis and Fabric Interconnects in Cisco UCS domain to resolve issues related to hardware failure.
* Responsible for the planning, implementation, managing and operating the worldwide Active Directory and IT infrastructure implementations. Providing support for the Office 365 services platform MS Exchange environment Installation & administrations of Windows Servers (Filers and applications).
* Used SCCM console for checking Application details, Global condition, Dependency, Detection Method, MSI product codes, Boot Strapper and Unattended, no reboot.  Used OSD task sequence scheduler in SCCM to package applications for deployment.
* Install and administration of VMware vSphere 5.5 and 6.0 and 6.5 on HP BL 460c and CISCO UCS B200 servers. Design and implement migration of ESXi hosts from HP bl460c blades to Cisco UCS B200 M3/M4 Blades. Update drivers and firmware on all Cisco UCS FIs and Blades, HP Chassis and Blade servers.
* Creating vSphere Host Profiles, Standard and Distributed Switches. Configure VMware vSphere HA, FT and DRS clusters to manage workloads and availability. Creating Baselines and timely update of patches for all ESXi hosts using VMware Update Manager.
* Support daily monitoring and optimization of VM servers and ESXi hosts in production, dev and Test environment. Work with vendor and perform RCA for critical issues. Deploying and administering Group Policy. Granting permissions for appropriate users as per the application requirement.
* Working on building and managing Domain Controllers, Member Servers, Server Clusters, and Virtual Machines
* Managed Infrastructure Virtualization components using V-Center, DRS, V-motion, P2V(Physical-To-Virtual), V2P(Virtual-Physical),FT, HA, SCCM, SCOM, SCVMM, NIC Teaming, Network Virtualization using HP Virtual Connect. Manage Active Directory sites subnets and replications.
* Managing DHCP server, DNS server & IIS server globally. Troubleshooting AD, DNS & WINS replications globally.  Created customized dashboards for data store alerts using vRops, generated email notifications. Created thresholds and automated reporting with customized policies through vRops.
* Experienced with Active Directory (AD), Group Policy Objects (GPO), Domain Name Service (DNS) and Microsoft Management Console (MMC)
* Change Request Management for maintenance requirements across Windows & Cirtix XenApp platforms Optimizing and Monitoring Systems to guarantee maximum uptime across platforms. Analyze and build virtual servers for applications using Power Shell scripts in VMware and Windows.
* Installation, Administration & Troubleshooting of Windows 2008R2/2012/2016 (physical & virtual) domain controllers, sites, AD replication, DNS, WINS using, RDP/ILO(Compaq /HP), IMM on IBM HS22 blades. Created managed, modified, troubleshoot GPO’s using GPO Admin or GPMC.
* Installing, configuring, administering, troubleshooting VMware server on ESX platform and VMware client, workstation.  Pilot Internet Explorer 8 upgrade for the corporate desktop and Citrix environment. Automated cloud deployments using puppet and AWS Cloud Formation Templates.
* Coordinate with external vendors for hardware/software (HP/Microsoft/Quest/Symantec) related issues.
* Server administration and monitoring for physical VMware ESX servers and virtual machines, including Windows and Linux. Manage Microsoft infrastructure on VMware /VSphere environment. Use Remedy for ticket/change/incident management (ITIL process).
* Actively building, decommissioning, retiring, and supporting Windows Advanced Server 2000, Windows Server 2003, Windows NT 4.0, Citrix, VMWare ESX and GSX servers, and IBM Blade Servers within depth Peregrine Service Center Help Desk and Altiris ticket work.
* Adoption & migration to Azure IaaS, PaaS, SaaS, DaaS. Citrix Xen App & Xen Desktop upgrades. Hands on experience with office 365, Azure, NIS, LDAP, OMS, EMS enterprise mobility suite Experience on Veeam Backup. Installing Maintenance Levels and updates on Wintel/Windows Platform.
* Configuring HA, DRS, Storage DRS clusters. Taking care of capacity planning for new clusters. Configuring FT for important High-End VM’s. Taking care of ESX and VM storage issues. Closely work with the application development teams to resolve any windows related issues.
* Created preliminary PowerShell code for moving Azure Classic workloads to Azure Resource Manager version. Wrote PowerShell scripts for automating time-consuming specialty needs for external clients. Supported & Perform Oracle 11G upgrading, cloning, development and Production support.
* Managing Hyper-V Host Servers, creating VMs, deploying 2008R2/2012R2 and troubleshooting the issues.
* Deployed Automation and Manual patching to PROD Servers on monthly basis and upgrading services running inside windows server environment.
* Working with VMware vRealize Operations manager and Export utilization reports through vRealize operation manager. Developing custom dashboard within vRops. Installing and configuring vRealize automation 7.0 and vRealize Orchestrator 7.0 Upgrade ESXi hosts from ESXi 5.0 to 5.5 to 6.0 and 6.5
* Co-ordinate for required ports to be opened if the server is going to be in the DMZ.  Build the new server (physical server) or create the new VM in VMware vCenter.  Installing & troubleshooting SCCM client & ensuring all servers are reporting in SCCM console.
* Generating reports from SCCM to ensure that all servers are having latest patches installed.  Configuring WDS for new environments. Having knowledge on configuring MDT & to integrate with SCCM. Created ESX host templates local & global for Cisco UCS environment. Sync FROM AD or Office 365 Tenant TO DRA. Coordinated with storage teams and storage vendors on support tickets coordinating with raising Support Tickets for ESX Hardware.
* Experience in AWS Identity and Access Management (IAM) components, including user, groups, roles, policies, and password policies and provide the same to end user.  Managed Windows 2008, 2012 and 2016 Enterprise Cluster Servers for high availability. Prepared RCAs for unexpected reboots and system crashes. Experience in setting up VMware standard vSwitch and ports groups (Service Console, Virtual Machine and VMKernel)
* Troubleshooting Server crashes, unexpected reboots by analyzing the memory dumps with the help of debugging tools like WinDbg. Involved in Server new builds and Decommissioned process. VMware Migrations from 5.0 to 5.5/6.0/6/5. Experience in creating Virtual Machines on Shared Data Store.
* Experience in configuring Hardware iSCSI to Rack servers and add storage to VMware ESX hosts. Experience in configuring VMware vCenter Alarms for data store and host memory and CPU usage. Experience in configuring and management of VMware Clusters, VMware DRS, High Availability (HA) and VMotion.
* Created and managed Virtual Machines and Templates, worked with clones and snapshots of Virtual Machines. VCenters Administration handling HA, DRS VMotion, snapshots etc. Trouble shooting ESX and ESXi servers. Configured AWS IAM Security Group in Public and Private subnets in VPC.
* Worked on AWS for deploying instances consisting of various flavor’s viz., OEL, RHEL, CentOS, Ubuntu and Solaris in both Linux and Windows.
* Azure PaaS Solutions like Azure Web Apps, Redis Cache, Application insights Azure Server less Functions, Azure Stream Analytics, SQL Azure and Azure Storage. Installing and configuring Oracle 10g Database and Oracle 10g Developer Suite over Microsoft Windows Operating Systems.
* Diagnosing hardware failure and server down issues. Coordinating with Hands on feet support people whenever physical access is required. Controlling and Monitoring of Cisco UCS, HP servers Integrated Lights-Out (ILO) homepage.  Worked on decommissioned project for the retired servers.
* Build new ESXi hosts from the scratch and Performed migration of all the VMs from ESXi 6.0 to 6.5 with zero downtime Pro-actively worked on defragmentation task of Backend servers to compact the hard drives Actively worked on NTP configuration on DNS servers.
* Wrote playbooks for Ansible and deployed applications using Ansible. Implemented and maintained Ansible Configuration management spanning several environments in VMware and the Azure cloud. Test Disaster recovery policies using VMware Site Recovery manager (SRM) and update DR policies run books. Involved in evaluating and enhancing Azure Security and Integrated SaaS applications with Azure and enabled SSO
* Implement and manage Virtual Desktop Infrastructure (VDI) on Cisco UCS servers with Symmetrix storage and Virtual Server Infrastructure (VSI) on UCS Servers with in VBlock 350 and 720. Manage and support VDI environment using VMware Horizon View.

**Sr. VMware/Windows/Virtualization Admin**

**Conduent, Louisville, Kentucky**

**Sep 2018 to May 2021**

* Built Windows 2019/2016 and 2012 R2 Wintel Servers on standalone and blade servers based on application design and deployed stack on these servers.
* Supported 4500+ Microsoft Active Directory and Exchange users on Wintel server environment.  Administered VMware ESXi Servers on HP C7000/Cisco UCS Blade Server Environment. Worked with infrastructure monitoring through SCOM. Installation, configuration and Administration of IIS web servers.
* Installation and configuration of Domain Controllers and implementation of trusts. vCenter migrate from 6.0 to vCenter server Appliance 6.7 and7.0
* Supported MS Windows network infrastructure; including any of the following: Active Directory, WINS, DNS, DHCP, Group Policy, Exchange. Manage change requests for all environments using Change Management process. Configured and managed View Desktop Virtualization (VDI).
* Cloning, Building and deploying new VM's and installing different guest OS like Windows server 2012R2/2016/2019 and Linux.
* Experience in migrating on premises to Windows Azure using Azure Site Recovery and Azure backups. Domain Controllers, Managing the disks, complete installation and configuring windows 2016/2019 servers. Developed and Designed Multiple VM Templates for Windows Server 2012R2, 2016, 2019.
* Virtual Machine's deployment, Provisioning and Configurations, Imaging for windows, linux and Appliance and maintaining Templates and Perform updates when necessary. Created base images, pools and deploy virtual desktops for all departments based on requirement.
* Installing, configuring, and Managing ESXi7.0, vCenter 6.5, 6.7 and 7.0 and vSphere with STIG implementation (security lockouts, VIBs, updates)
* Patching and Upgrading ESXi via ssh and using upgrade Manager. Generating inventory reports using PowerShell and optimizing resources, DRS, HA.
* Engaging in capacity plan exercises to ensure adequate system resources. Implemented and designed cloud solution based on VMware V Cloud Director for users Involved in Operational support for B-Series and C-Series Cisco UCS hardware that runs VMware vSphere 5.1 –
* Participate in weekend’s maintenance activities and testing and validating virtual infrastructure during critical changes and Hardware upgrades.
* Installing Drivers, Firmware, BIOS on repair server hardware on HPE Server's. Maintaining and testing processes related to business continuity. Follow Vendors and VMware best practices. Writing and maintaining scripts to apply STIGs and make advanced configurations and standardizing procedures.
* Deploying, Maintaining and Decommissioning the Virtual Desktop Infrastructure Environment (VMware Horizon View).
* Identified and developed automation for routine infrastructure tasks, notably, auto scaling virtual machines using vRealize operations, vRealize orchestrator and PowerCLI.  Responsible for managing all administration work of Windows 2016 and 2019 servers, Linux Redhat, Hyper-VMware Server.
* Configured and managed V Sphere 6.7 and 7.0, ESXi hosts and VMS. Created LUNs, META LUNs, Storage Groups, and RAID groups.
* Restoration and Hardening of Windows Servers which are affected by Malware. Managed 800+ virtualized Wintel environment, including Linux, Citrix and VMware.  Responsible for creating, modifying, removing VLAN confines as per the need.
* 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 7.0, Esxi7 .0, Realize Automation, Operationalizations Manager, V Realize 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. Working on Migration concepts like Motion and Cold migration
* Monitored infrastructure using VMware vRealize Operations Manager with Endpoint agents on Windows and Linux. Creation of Virtual Switches, Ports and Port groups and setting up Layer 2 Security Policies for Virtual Networks.  Deployed V App workflow is to provide a single call workflow that can instantiate a V App Template from vCloud Director (vCD) and perform a number of operations on the resulting V App before actually deploying and powering it on. .
* Experience in working with vMotion technology and Storage vMotion and HA technology.
* Configured and maintain new VM's, install Microsoft Windows 2019 Servers, manage VM's and ESX servers and install VMware Tools on VM's.
* Built Windows 2016/2019 Wintel Servers on standalone and blade servers based on application design and deployed stack on these servers. Resolving server issues - Windows 2016/2019 server, Network connectivity, etc. Worked on Cisco UCS Chassis with B200 and B200 M2 blades.
* Installation and configuration of VMware ESXi6.5/6.7/7.0 installation and configuration of VMware Virtual Center Server and creating Virtual Machines.
* Used tools for data backup, mirroring and recovery such as Commvault, VRanger and Microsoft System Center Operation Manager SCOM
* Assist in P2V and V2V conversion of Windows 2019 and Windows 2008 R2/2016 server editions fusing enterprise VMware converter and installed the VMware tools on that machine. Experience with Cisco UCS 5108 chassis and Blades B200 M2 administration
* Worked on 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 center server for HA, DRS and vMotion.
* Involved in running the deployments using various techniques such as using batch files, PowerShell scripts, MSI packages and a few internal tools. Managing and troubleshooting issues on azure Infrastructure which raise during scanning. Configure and manage VMware View Client systems.
* Implemented single sign ON Authentication method with Office 365 and configured DirSync and ADFS for Active Directory Synchronization.
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages. Migrated user mailboxes from Exchange 2010 to Office 365. Migrated from Webservers and websites from IIS 6.0, IIS 7.0, IIS 7.5 to IIS 8.0 and to the more recent IIS 10.0.
* Developed and maintained the continuous integration and deployment systems using Jenkins, ANT, Maven, Nexus, Ansible and Rundeck.
* Experience working on Hardware incidents and troubleshooting Network issues through various commands like TRACERT, ROUTE, PORTQUERY and using NETMON to capture network traffic and analyze.  Creating and implementing App pools, App Stack, AppVolume and Writable Volumes.
* Designing and implementation of windows and VMware patch management using WSUS and VM update manager. Coordinating with hardware and software vendors like HP, Dell and Microsoft when there is a critical issue. Ensuring the processes under ITIL service delivery model.
* Experience with and Data Fabric manager, Zoning and Storage allocation to storage groups. Worked on Incident, Change and Problem management using HP Service Centre Maintenance of IBM x Series & e Series servers, HP Proliant series Products and Microsoft windows server 2003 & windows 2000.
* VMware deployments vRO and vRA. Experience on vRealize Operation Manager dash boards and reports for both vSphere and Horizon view.
* Migration from On-premises to online Office 365, like Exchange, SharePoint, Active Directory, SCCM, Rights Management or SQL Server.
* Working with Different Remote Access tools like Remote Desktop, PC Anywhere, IBM Blade console, Accessing Linux servers using putty. Worked on Remote Administration by using RSA/RILO. Experience in migrating on premises to Windows Azure using Azure Site Recovery and Azure backups.
* VMware NSX Installation, Configuration and Maintenance. Patched/upgraded VMware vSphere hosts, VMs and Hyper-V Virtual Machines.
* Pre-migration test for user from Exchange 2013 to Office 365. Creating and managing pools of full-Clone Virtual Machines and Linked-Clone Machines.
* Experience in Monitoring, troubleshooting the server using tools such as SCOM, event viewer, MMC, Exchange Management shell, power shell. Configured Nagios to monitor Linux servers with puppet automation. Planned a Retention solution for Exchange server 2007/2013 and Backup for Enterprise Network and Active directory. Troubleshooting Experience with Outlook, Exchange server, ActiveSync and OWA. Creating and managing RDS and Application pools.

**Sr. VMware/Windows System Engineer**

**Avnet, Phoenix, Arizona**

**April 2016 to Oct 2018**

* Administered 2500+ user multi-site Active Directory and Exchange environment: Sites, Group policy, mailboxes, databases, distribution lists, public folders, object cleanup, network, software application, and operating systems. Experience in working with NLB clustering of IIS web servers for high availability.
* Server Management including Domain Controllers, Active Directory, Antivirus, File servers, Print services etc.
* Installing and updating the windows patches. Creating NTFS shares on Windows Servers and providing permissions to users.
* Worked with Virtual machine snapshots preserve the state and data of a virtual machine and create snapshots, restore any snapshot in the snapshot hierarchy, delete snapshots etc. Managed VMware ESXi hosts using vSphere client.
* Experience in supporting and maintaining Cisco UCS Director Workflows for VM and bare metal OS provisions of MS Windows and RHEL.
* Responsible for creating Monitors and Rules in SCOM based on the monitoring requirements Management hardware/software/OS administration for Windows 2008/2012/2016 Servers. Assisted administrator to successfully migrate on premise Exchange mailboxes to Office 365 Cloud Exchange Online Server. Local Exchange Management and Office 365 Management and Deployment, Activation, and Configuring of Office 365
* Built ESX servers and implemented complete integration with SAN for vMotion in a VMware DRS and HA enabled environment.
* SCCM experience focused on deploying, Packaging, administering, and troubleshooting an enterprise wide SCCM environment on large scale environment
* Implementation and managing Server setup, configuration & administration for Windows 2008/2008 R2, Server and Active Directory Administration.
* Installed Windows Server 2016/2012/2012R2, 2008 in 24/7 Datacenter Production environment Initiated and maintained VMWare vSphere and utilized VCenter Server to manage virtual servers. Used PowerShell and GUI apps and tools to build and support the Microsoft Cloud globally.
* Microsoft Azure experience in both Redhat and Ubuntu servers. Experience in resolving issues after installation and testing Azure components after installation. Executing temp test cases.  Installing and Maintaining Windows 2008, 2012 and Windows 2016 Servers.
* Excellent understanding of modern cloud (compute, storage, networking) application architectures on Azure to ensure easy monitoring and high availability. Created and managed new Users, roles, and projects through Keystone.  Work closely with teams like SQL DBA, Oracle DBA, Wintel, Linux and Exchange.
* Experience with Users and Permissions, Administration, Windows server 2008, 2012,2016 ADDS, DNS, DHCP, Users and Groups, Group Policies and File Share Permissions. Configuring, maintaining, and troubleshooting Windows Server 2008 R2, SCCM 2007/2012/2016 and SCOM Infrastructure.
* Involved in the installation, monitoring and support of firewalls, Cisco networks, perimeter security technologies, Internet technologies and remote office WAN/ LAN connectivity. Generating reports on SLA for all client locations in End user computing. Reports on pending incidents, tasks and follow up for closure. Security hardening and monitoring of VM's & ESX servers (CPU, Memory, Disk, Network Utilization) for Security Compliance.
* Responsible production support of Active directory (AD), GPO, Domain users, Users and groups and given appropriate permissions, shares and privilege to access LAN and Domain environment. Design and architecture review for VREALIZE installation based on VMware recommended best practices
* Worked with Nagios for Azure Active Directory & LDAP and Data consolidation for LDAP users. Monitored system performance using Nagios, maintained Nagios servers and added new services and servers Configured VMware on clustered environment, Implemented vMotion.
* Migrated the current Linux environment to AWS/RHEL Linux environment and used auto scaling feature and Involved in Remediation and patching of Unix/Linux Servers.  Using Jenkins AWS Code Deploy plug-in to deploy and Chef for unattended bootstrapping in AWS.
* Provide Remote Support and administration on network for internal and external clients using tools like Microsoft Remote Desktop Connection (RDP).
* Experience in Cisco UCS /HP C7000 blades administration and troubleshooting, Writing PowerShell Scripts, vb and power cli scripts. Worked with VMware NSX. Performing Exchange Server Archiving items from Microsoft Exchange User Mailboxes, Public folders.
* Managed Ubuntu Linux and Windows virtual servers on AWS EC2 using Open-Source Chef Server, Terraform, migrating a production infrastructure into an Amazon Web Services VPC utilizing AWS Cloud Formation, EC2, S3, Chef/Ops Works, Cloud Watch, Cloud Trail, EBS, Route 53, IAM etc. This included migrating several production MySQL databases into RDS. Developed vRealize Orchestrator workflow for VM provisioning using vRealize Orchestrator.
* Good Knowledge in Azure cloud services, Azure storage, Azure active directory and Azure Service Bus. Managing Client's Microsoft Azure based PaaS and IAAS environment. Responsible for vRealize Operation Manager Dashboards and reports for both vSphere and Horizon view.
* Vulnerability Assessment, recommending tools and security components to develop secure networks such as Firewall / IDS / Network Scanners / Sniffer.
* Creating & managing port groups in Standard switch & DVS Switch. Creating VLAN in VDS & in IBM Blade switches. Creation, configuration of Virtual switches and Port groups. Maintain, managing ESX server via VI client and web-client. Installing Application's in the Virtual Machine as per user request.
* Install, configure and troubleshoot vSphere 6.0/5.5, VUM, vCops, Hyperic Server, Syslog Collector and Dump Collector, VMware vRealize Orchestrator, Infrastructure Navigator, vRA 6.2, VDP, VCMand Capacity planning. Installation, configuration and administration of Windows 7, 8, 10 & Professional Client OS. Moderate testing experience in Microsoft HyperV and Citrix XenServer. Performing Snapshots, Cloning, Cold Migrations and Hot Migrations.
* 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. Design and implement Active directory Services/DNS/DHCP/IIS in Windows 2003 Server environment.
* Installation and configuration of domain controller, DHCP, DNS, Group Policy, Radius Server, IPV6. Installation and maintenance of Microsoft Web Application Proxy for Security of ADFS tokens. Maintained active directory and account administrative rights.
* Disaster recovery implementation and recovering systems during crash or hardware failure.  Worked on Bit Locker encryption related issues on Windows 7, 8 workstations.  Setup Remote Access and Remote Desktop Services. Monitoring of databases using grid control, OEM 11g and 12c.
* Experienced in creating and setting up Network policies by implementing firewall rules for allocation to specific groups or applications, TCP Port sharing. Manage & Support Microsoft Server Applications such as Terminal Server, MS-SQL, IIS, Active Directory, DNS
* Setting up Security Policies including logon events, account management events, system events, account logon events.
* Configure software policy using AppLocker and firewall. Configuration of Bit Locker Drive Encryption.
* Implementation of Failover Clustering, Windows Server migration Tools, Windows Server Backup Group Policy Management, SMTP Server, Configure servers for Remote Management.  Use system center configuration manager (SCCM) for system configuration and application installation.
* Windows Server System Updates (WSUS) for patching. Run Oracle 9i/10g database with Oracle OEM in Linux/window environments.
* Working with VMware vRealize Operations manager and Export utilization reports through vRealize operation manager. Developing custom dashboard within vRops. Installing and configuring vRealize automation 7.0 and vRealize Orchestrator 7.0
* Build, upgrade, and maintain networks in a Microsoft Server Environment.

**Vmware Administrator**

**Sykes, Tampa, Florida**

**Jan 2015 - March 2016**

* Using VMware vCenter, created Datacenter Environment by creating VMware clusters, adding ESX hosts in the clusters, and implemented HA and DRS. Installed and configured ESX 5.1, 5.5, 6.0 Servers on Blade Servers. Expertise in maintaining the data centers and doing the data center Virtualization.
* Performed physical to virtual (P2V) migrations for approximately 500 physical servers utilizing VMware Converter. Installing, configuring and Troubleshooting VMware View. PowerShell, VB Scripting and related tools for automated installations and functions.
* Performed tons of V2V Migration. Created clones and templates of Virtual Machines And Virtual Storage (Access Control and VMFSDatastores).
* Installing, configuring, Troubleshooting and management of ESX 4.x, ESXi 5.x, ESXi 6.x and vCenter Server 5.0 and 6.0.
* Installations of VM Ware 5.0,5.5 and 6.0 versions along with the Active directories, DNS and DHCP services, File servers etc.
* Experienced in Configuring and tuning VSphere6 and migrating from vSphere 5.5 to latest 6.0.  Applying windows Security Updates & Critical updates &amp; Patching. Preparing &amp; sending weekly and monthly reports. Helped clients configure and manage Office 365 Online Share Point site
* Worked on rebuilding physical servers from Windows 2008 to Windows 2012 R2, datacenter version. Maintain Active Directory (DHCP, WINS & DNS) within the networking environment (LAN) of Windows 2008. Perform Microsoft Server 2012 maintenance and upgrades.
* Address performance related issues of Workstation/ servers /Storage in Infrastructure and provide remediation steps to resolve them permanently. DNS server configuration and troubleshooting. Installed, Configured, maintained and troubleshoot the Windows Server's 2008 R2 and 2012 R2 windows servers.
* Created new organizational units according to the application policies and resolved multiple issues related to OU and Group policies.
* Worked on Active Directory, GPOs, DNS, DHCP, File & Print Server, IIS (Web Server), FTP, Terminal Server, RIS, RRAS, NAT, WSUS, Microsoft Clustering, Exchange Mail Server and ISA Server. Installed and configured Microsoft Windows 2012 R2 Servers from ILO management tool on Rack servers and blades.
* Experience with vSphere Host Profiles, Standard and Distributed Switches setup. LUN creation and storage mapping administration and configuring Multi pathing. Configuring HA, DRS clusters, creating Affinity rules and configuring FT when required.
* Performed capacity planning for new clusters. Worked with the storage team to resolve ESX and VM storage issues. P2V Hot and cold conversions using converter enterprise 5.x and 6.0. Creating VSwitches. Taking care of NIC teaming at ESX server level for NLB and redundancy.
* Creating and maintaining user accounts. Configuring and troubleshooting of Enterprise LAN Network.
* Office 365 Migration participated as part of a team responsible for migrating Exchange 2013 to Office 365 Online. Setup rules for SPAM filtering & Blacklist and Whitelist Email Address/Domain in the cloud and TLS connectors.  Presenting FC SAN LUN’s, RDM’s iSCSI LUN’s and NFS mounts.
* Created several VMs most of which were wintel servers according to the specifications provided by the management together with the business and the application teams. Created and configured new VMs for SharePoint, Business Objects and PeopleSoft applications as per their requirements.
* Manage existing Health ways VDI environment (VMWare Horizon View), including desktop pools, image management, and physical/virtual infrastructure. Develop and maintain O&S Standard Operating Procedures for VDI Environment Administered Windows 2000/2003/2008 servers and DNC, DHCP & AD servers. Configured customized alarms for Virtual environment as per the requirement from Client
* Configured VMware cluster environment with DRS and HA. Helped in preparing documentation for server deployments and configurations for application installations.  Performed Windows server installations for expansion of existing servers to handle server CPU and Memory load.
* Performed few infrastructure application installations in clustered environment as part of load balancing to handle application load and to reduce downtime. Installed and configured all desktop and server OS (7/8) Installed and configured MS-Office, Antivirus software likes McAfee, Norton Corporate Edition. Troubleshooting hardware and software related issues on HP Compaq Desktops and IBM Servers.

**System Admin (Windows/VMware)**

**Ferrellgas, Overland Park, Kansas**

**Oct 2012 - Dec 2014**

* Installed and worked on VMware Site Recovery Manager (SRM 5.0) for the disaster recovery and managed recovery plans. Monitoring of Virtual Machines &ESXi Servers using Virtual centre. May also produce and create reports, charts, manuals proposals and perform light programming (scripting).
* Creating Desktop pools and Application pools and auto deploy vm's using instant clones in VMware Horizon connection servers.
* Installed and configured SCVMM on Hyper V server. Create P2V and V2V. Configuring Virtual machines using Templates, Hot clone, Cold Clone and Cold Migration. Troubleshooting issues related to Virtual Machine, vMotion, snapshots, clone and template.
* Responsible for Active directory, GPO, Domain users, Administrating users and groups and given appropriate permissions and privilege to access our LAN and Domain environment. Creating and managing the users, groups, GPO in the Active Directory. Configuring IIS 6.0, 7.0, 7.5, 8.0
* Creating Clusters for High Availability (HA) & Distributed Resource Scheduling (DRS) in Virtual Centre. Creating & Managing Virtual Machines & Templates.
* Creating Desktop pools and Application pools and auto deploy vm's using instant clones. Migration of ESXi from 4.5 to 5.0 and 5.5 at a later project towards the end of project. Configuring Centralized licensing for the virtual centre server. Convert a Virtual Disk from Thin to Thick & Convert Thick to Thin Format.
* Creating & Managing Resource pools & adding the VM's into the resource Pools. Converting P2V, V2V using virtual converter.
* Monitor, manage and troubleshoot using tools such as event viewer, MMC, EXBPA, exchange management shell, PowerShell, message tracking tool, regsvr32, regedit, and regedt32. Perform MS Exchange system administration activities involving install, update, configure and maintain servers.
* Performed several windows servers 2008/2012administrative task including, new server build, windows server hardening (IIS).
* Responsible for using NSX for replacing VMwarevSwtich and vsphere distributed switch to provide true networking. Deployed EMC VNXe SAN for vSphere high availability management cluster configuration Running VB Scripts to validate logins on 700 + servers and check the server access on weekly basis.
* Designed, implemented and automated disaster recovery with VMware SRM 4.1,5.5 between datacenters located in different physical location, the storage used for the implementation ranges from EMC VMAX, HP 3PAR to IBM XIV Automated day to day activities checklist with Windows PowerShell and PowerCLI. Looked after all OS related issues including Server health checkup, Server health optimization and performance tuning.
* Build, configure and deploy VMs and templates. Completed Physical-to-Virtual (P2V), Virtual-to-Virtual (V2V) and Virtual-to-Physical (V2P) migration of Windows NT, 2000, 2003 and 2008 as well as Linux servers from VMware and legacy hardware.
* Perform installation and cabling of HPC7000 chassis and HP Proliant servers in the datacenter Performed lift and shift of HP servers from the Columbus facilities to the new the facility in Kings Mountain Monitoring of VLANs in Virtual Distributed Switch. Configuring and managed DNS and Active Directory.
* Schedule tasks in concurrence with Application team to ensure application functionality is available during specific times.
* Periodic ESXi/Windows log and alert analysis to ensure relevant alerts are being monitored and the system uptime are maintained at agreed SLAs. Maintaining and providing technical support for Active directory infrastructure. Migrated Servers using PlateSpin migrate and VMware converter (P2V, V2V, SQL Cluster migration, File server migration. Installation and configuration of VMware vCenter 4.0 for maintaining the virtual environment.
* Maintain and manage the capacity of virtual environment with VMware Operation Manger. Performed upgrade of Operations Manager and VShield security manager. Setting up Exchange Server Archiving - archive items from Microsoft Exchange user mailboxes, journal mailboxes, and public folders
* Troubleshooting Exchange Components (Exchange Database, Outlook Web Access, Offline Address List, Mail Flow, Public Folders and Free/Busy Information). Performed extensive testing across all Windows OS with users to get signoff for each application.
* Strong Knowledge in creating various objects like User Accounts, Computer Accounts, and Auto logon accounts.

**Windows System Support Specialist**

**Parson Corporation, Pasadena, California**

**July 2011 - Sept 2012**

* Responsible for the installation, configurations and support of VMware vSphere and the daily management/monitoring of the virtual environment. Created Users Accounts in Windows Active Directory. Configured outlook, Citrix, Internet, Cisco VPN and McAfee.
* Worked on Logon Failures, Account Lockouts, Group Policies, Network Connectivity, DNS and WINS Name Resolution, Authentication Problems, File and Printer Permissions etc. Maintained and Supported Active Directory Services using Group Policy
* Expertise in Installation, applying patches, configuring, Upgrade and troubleshooting of SQL Server 2008/05/00 on Windows Servers Clustered and Hyper-V environment. Created/Managed Distribution List, Security Groups, Departmental Mailbox, File Shares, User Profiles etc.
* Administration and Maintenance of Routers, Switches, Hubs, Leased, Dial Up Data Circuits & ISDN Line. Internet Proxy, and FTP Server. Administered/ maintained Red Hat Linux servers and system application. Annual Maintenance Contracts follow-ups, keeping full track of customer invoices.
* Migration of servers to new hardware (HP Blade Center) and new OS version, responsible for all UNIX related issues including OS, device drivers, OS tuning, environment setup for applications and updates. Publishing and assigning the user permissions to access the Applications in Windows Management Console. Creating the load evaluators for load balance purpose while users accessing the Applications.
* Maintaining the file server, application, and Print Server. Created User Accounts, groups and running scripts on production servers.
* Assigned local security policies on member servers and standalone servers using RDP. Manage and monitor Active Directory services and group policies.
* Worked elaborately on different windows environment which include Windows NT version 4.0, Workstation, Terminal, 2000 and 2003.
* Microsoft Hyper-V server 2008 and 2008 R2. Create virtual machines within Hyper-V and VMware. Provided BC/DR replication for VMware and Hyper-V infrastructures incorporating OTV and NSX virtual networking. Assigning folder permissions to the users by gathering approval from the group owners.
* Setting up windows servers to analyze performance issues. Efficiently created and managed various Groups (Domain Local and Global Security).
* Worked on HP Open View Service Desk (OVSD) tickets. Manage and administer private clouds in Hyper-V infrastructure
* Raised tickets for any issues discovered during validation. Scheduling scripts twice a week and worked extensively on bad server list.
* Categorization of server in terms of complexity and effort required to complete the primary system access tasks.
* Experience with VMware, creating VM Sessions for installing multiple OS and applications. Working on Ticket process in receiving Incident tickets in Remedy Tool in 24x7 environments. Created standard operating procedures and process documents for training offshore resources.