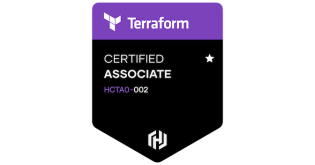
**System administrator** 

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Description automatically generated**Shah Fahad Mohammed**

**Mail id : mohammedshahfk@gmail.com**

**Phone No : 603-514-8252**

**PROFESSIONAL SUMMARY**

* I have 9+years of IT Professional Experience as Windows/Wintel Systems Administrator and VMware Administrator for Implementation and Support Wintel Servers with VMware 4.x, 5.x, 6.x,7. xWindows 2019, 2016, 2012, 2008 R2, 2008, 2003, 2000on HP, Cisco UCS, Dell Bare metal Servers, proficient in administering and managing applications in Azure Cloud.
* Expertise in Operating and Supporting Microsoft Windows Servers 2019/2016/2012/2008/08R2, 2003/03R2, 2000, NT on HP, IBM, Dell and Compaq Blade Servers. Experience in Migrating all end user computing deployment solution from SMS to SCCM 2007 and SCCM 2012.
* 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
* 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. Expertise in Setting up AD authentication in AWS cloud.
* Experience in Installing, Configuring & Troubleshooting VMware ESX/ESXi 7.0,6.7,6.5,6.0,5.5, 5.1/5.0/4.1/4.0, vSphere 7.0/6.7/6.5/6.0/5.5,5.1/5.0/4.0, vCenter or Virtual Center 7.0/6.7/6.5/6.0/5.5/5.1/5.0/4.1/4.0 Servers. Configuring VM’s on ESX server and installing hosts and Migrating Virtual Machines across various VMware ESX Server, Workstation and VMware servers.
* Extensive Experience in optimization of Enterprise Applications using WebSphere J2EE Application server 7.0/6.1/6.0/5.0, WebSphere MQSeries 5.x/6.x,7.0, XMLConfig, Workload Management (WLM), WAS Resource analyzer, WebSphere Test Environment (WTE), IBM Visual Age for Java 4.0/3.5, EJB, JAAS, JNDI, RUP, LDAP, MQ Series, JMS, Oracle 10g/9i/8i/7.x, DB2 UDB on Sun Solaris, AIX, Linux, HP.
* Expertise with maintaining and updating g the Domain Controllers and RODC in Windows Server 2003/2008.
* Experience installing, upgrading and configuring RedHat Linux 4.x, 5.x, 6.x using Kickstart Servers and Interactive Installation.
* 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.
* 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. Pushed SCCM 2012 client to all end clients and debugged the faulty PC's.
* Expertise in assisting with the administration and upgrading from Windows 2003 to 2008 R2/ 2012/2016 active directory and domains. Experience in Migrating from VMware ESXi to Hyper-V with SCCM SP1 R2.

**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), 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, AWS (Amazon Web Services)

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

Other: Microsoft Office, Microsoft Visio, Rational Rose, BMC Truesight Server Automation, IBM BigFix,

**Fidelity Investments, NC Dec 2021 to Present**

**System engineer, Remote**

**Responsibilities:**

* Installing and configuring the windows server 2012/2016/2019 in production and development environment. Installing and upgrading the ESX/ESXi hosts and vCenters Upgrade the servers from 2008 to 2016 and to 2019.
* Creating change records for Server builds for new servers to track the process. Migrating Virtual Machines between the data centers. Worked with sql, oracle databases. Administration and troubleshooting DNS relative problems on Windows/ wintel environment. Track the issues and document the development process for program references.
* Experience in decommissioned and rebuild the servers in Data Centers. Experience with Data Centers on small and large scale.
* Participated in UPS devices replacement in data centers. Installed and built servers through Azure Resource Manager Templates or Azure Portal. Knowledge in Active Directory Management, SCVMM, creating groups, assigning permissions.
* Install, configure VMware Site Recovery Manager (SRM), vRealize Operations Manager, vRealize Log Insight, vR Network Insight. Creating the Backup’s and restoring the data for servers on scheduled basis.
* Booting PXE from RHEL Satellite Network and Centos Spacewalk for unattended Linux server deployment for both virtual machine and bare metal installations
* Configured global security for WebSphere Application Server using IBM Directory Server as LDAP user registry and configured SSL for ldap communication.
* Scripting and automating tasks using VBScript and PowerShell. Resolve Office 365 and ProPlus Suite configuration issues
* Created Raid Groups, Storage Groups, LUNs and assigned LUNs to Windows and VMware hosts. using of RedHat Satellite and kick starting configuration of RedHat to fit security compliance using STIG, CRISP, SCAP
* Virtualization and clustering with Windows 2008-R2 Hyper-V.
* Installed and Configured VMware UEM and migrated all the existing user profiles from Profile Unity to User environment manger.
* Scripting, reporting, and automation using PowerShell / Power CLI. Involved in developing the Azure solutions and services like IaaS and PaaS. Worked on Storage API automation for the project VMware vSphere 6.0/6.5/6.7/7.0 VSAN.
* Used PowerShell (CLI) Commands to automate the tasks for SCCM 2012, SCCM 2007 for site builds, Deployment and Other Management Tasks. Experience in Creating ARM templates for Azure Platform.
* Creating, Installing, configuring and maintaining the Virtual Machines, installing Guest Operating Systems like Windows, Linux.
* Implemented Migration by performing P2V, V2V and V2P conversions using vConverter and Plate Spin.
* Extensive experience with designing, managing and supporting the Active Directory, WSUS Infrastructure, ADFS Infrastructure, and DNS Infrastructure. VMWare vRealize Operations Manager installation, support, reporting, and maintenance
* Created vRealize Orchestrator work flow for snapshot cleanup for all regions using PowerShell scripts and scheduled it.
* Creating Templates, Taking Snapshots, Cloning, Cold Migrations and Hot Migrations.
* Create Virtual switches and port groups, configure Virtual networking settings for redundancy by teaming up VNICs, and configure network traffic, security and load balancing policies. VMware health check and Data Store alerts checking with vRops.
* Worked on ESX 5.5, 6.0, 6.5, 6.7 and 7.0 Production Cluster to remove a host from the cluster and move few vm's of the cluster to Independent host in the datacenter to storage VMotion the vms to the independent host Local Disk.
* Move hardware Assets like consolidates VM's, for moving the physical servers/Hosts to a New Datacenter.
* Troubleshoot network issues between Distributed vSwitch, Layer 2 switches and resolved slow performance between SAN network and VM networks. Creating estimated reports, pro-active capacity requirements, tuning and alerts in VCOPS.
* Deployment of various Components on the Azure Platform. Install, configure the IBM. HP and Cisco UCS Blades, Chassis.
* Experience in configuration and deployment of network security devices, including Firewalls, Intrusion Detection Systems, Network
* Security hardening and Monitoring of VM's & ESX servers (CPU, Memory, Disk, Network Utilization) for Security Compliance.
* 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.
* Converted our staging and Production environment from a handful of AMI's to a single bare metal host running Docker.
* Troubleshooting issues related to Active Directory, DNS and DHCP server for VDI environments.
* Working with Network/Security team to resolve Network/Security related issues and Coordinate with vendor to resolve hardware issues for servers and application issues. Involved in creating Azure Services with Azure Virtual Machines.
* Experienced on Azure VPN-Point to Site, Virtual networks, Azure Custom security, end point, security, and Firewall.
* Involved VMware / Windows wintel servers / Application upgrade projects and create design /process (Run Book) documents.

**JPMC, NC Sep2019 to Nov2021**

**System engineer,**

**Responsibilities:**

* Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Experience in migrating the virtual machines between the ESX (i) Hosts using cold migration and VMotion.
* Worked on CISCO UCS Hardware, Including Service profile setups, Configuration.
* Installation and configuration of Windows 7/8/10 servers 2003, 2008 R2, 2012, 2016 Virtual Machines in the ESXi host clusters.
* Worked on both standard Switch and Distributed Switches. Used, adjusted, and created PowerShell scripts in Solar Winds.
* Support immediate team members with virtualization i.e. VMWare ESX/WKS/SRV/Player, Hyper-V, Xen and Virtual Box related needs.
* Strong candidate with excellent communication, technical, and analytical abilities with extensive knowledge and experience in Murex and Java Development
* Co-ordinate with storage team for the datastore consolidation and resize project after the VSphere migration from 5.1/5.5 to 6.0/6.5.Provide expertise in creating a MSI packaging model for delivering applications using SCCM 2012 R2..
* Worked on physical to virtual migration(P2V) and virtual to virtual(V2V) using VMware converter 5.x/6.x
* Installing, Configuring & Trouble shooting of the new ESXi 6.5, 6.0, 5.5, 5.1, 4.0 Cisco UCS, HP Hardware.
* Linux systems administration skills with emphasis on RedHat Enterprise Linux or Oracle Enterprise Linux
* Deployed application ears on WebSphere Application Server Network Deployment in QA, Staging and Production environments on a daily basis and troubleshoot various configuration and application issues.
* Installed, upgraded, patched and configured Linux servers using Jumpstart and Redhat Enterprise Linux 5/6 using Kickstart. I/O, kernel internals, TCP/IP communications. Added Nutanix Clusters and Esxi hosts according to Business requirement.
* Ability to act as the Murex API Architect, Java Developer and Analyst in many areas on projects.
* Built ESXi servers using VMware VSphere 4.1/5.0/5.1/5.5/6.0/6.5 servers, several ESX servers and two virtual centers with zero downtime .Automation of Regular tasks using Batch / Power shell scripts.
* Involved in Production support and Maintenance of Microsoft Windows 7/8/10, 2016/2012/2008 R2/2003 Servers on Dell and HP Servers (physical/virtual environment). Experience in deploying and upgrading/maintaining Windows Servers in AWS
* 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.Track application issues, and support application releases and changes.
* Worked with Windows PowerShell script to automate setting of user credentials and activation of Windows.
* Managed both Hyper-V & VMWare environments which included deploying, updating and configuring Windows Server 2016 servers
* Administration of VMware Virtual Center and virtualization services VMware DRS, VMware HA, VMotion and SVMotion.
* Setting up storage using the emc and netapp storage products, creating volumes for various operating systems.
* Windows Server and Desktop administration. Upgraded RHEL 5.0 to 5.1/5.5 along with the middleware applications support and Apache Webservers. Perform vRealize Operations Manager 5.x implementation and installation across 2 datacenters.
* Configuring data storage in NetApp FAS series filers that run Data ONTAP.
* Administration of enterprise SAN that included several NetApp Filers and EMC’s connected to several Windows & UNIX servers in the Data center.View / Horizon View connection broker / security server experience 2003 / 2008 R2/ 2012 server.
* Configured and maintained new VM’s and Installed Microsoft Windows 2012/2008/2003 Servers, managing VM’s and ESX servers by using VIC, Putty and Web Access and installing the VMware Tools on the VM.
* Installing and Troubleshooting Servers through ILO. Maintaining Software Assets including licenses and third-Party Vendor Interaction. Installed and configured IIS, IAS 7 and SQL server 2008/2012 on the newly built servers.
* Implementation of Microsoft Active directory, TCP/IP DHCP, DNS, WINS, Domain trust relationship, fault tolerance, file and print services, user and group management. Working on Remedy tickets and prioritizing the work as per the SLAs.

**Fannie Mae May 2017 to Aug 2019**

**System Administrator**

**Responsibilities:**

* Performed installation of OS over the network using PXE boot server and kick-start on VMs.
* Experienced configuration and administration of NFS and Samba in Linux server to efficiently manage file transfers within UAT environments. Involved in migration activities using Red Hat LVM, Solaris LVM, Veritas and EMC Open Migratory.
* Created jobs in Jenkins to build applications using Ant and Maven. In addition, developed several scripts to deploy artifacts in different environments. Experience in Package Management using Red Hat RPM/YUM and Red Hat Satellite server.
* Extensive experience in doing backup to tapes periodically using job scheduling Crontab & AT.
* Creation and scheduling of Cron Jobs, System Monitoring and removal of unnecessary files.
* Job Scheduling and Automating process using CRON & AT.
* Involved in Tuning of WebSphere Application Server for performance improvements.
* Supporting Operating Systems Red Hat Linux 5.x/6.x/7.x, 8 CentOS 5.x/6.x, 7, 8 SLES 11/12 in Production, QA and Development Environments. Worked on Integration and Production environments. Experienced Project management Tool JIRA.
* Experience in System Administration, System Builds, Server builds, Installs, Upgrades, Patches, Migration, Trouble Shooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on Red Hat Linux Systems.
* Installing, upgrading, maintaining and configuring Red Hat Enterprise Linux on Servers using Custom and kick start installation. Created profiles in Ansible and pushed them across all the servers in UNIX and Linux environments.
* Implemented AWS Solutions using EC2, S3, RDS, EBS, ELB, Autoscaling groups, Optimized volumes, continuously working wif DevOps tools like Jenkins, Run Deck, Chef, Git, GitHub, Nexus, Splunk, Akamai, Terraform, AppDynamics, Kafka, Zookeeper, RabbitMQ, Vault, Team Pass, and Nimbus.
* Configured and Modified Akamai Net Storage for retention and delivery of web portal failover pages during downtime events and worked on Akamai security configurations for Whitelist/Blacklist of IPs.
* Configured LDAP Client on Linux machines for authorization and authentication. Patched up the systems with the Linux servers and created tickets for the respective services. Strong use of Shell scripting languages including BASH for Linux.
* Worked on virtual and physical Linux hosts and involved in day to day administrative activities such as maintaining user accounts, password management, providing advanced file permissions to specific users etc.
* Managed and configured Linux Red Hat environment and tools like Satellite, Ansible Tower to have maximum system scalability, reliability and security. Install, configure, and support Tomcat, Web sphere and Web logic servers on Unix/Linux.
* Worked on Ansible Tower to automate repetitive tasks, quickly deploy critical applications, and proactively manage changes.
* Designed AWS cloud-native CI/CD using Code Pipeline and Code Build and led the implementation and automated DORA metrics tracking
* Creation of AWS code build Code Deploy and Code pipeline jobs
* Implementing the infrastructure via terraform for creation of code pipeline jobs
* Creating the code pipeline and triggering multiple jobs of code build and code deploy
* Created automated pipelines in AWS Code Pipeline to deploy Docker containers in AWS ECS using services like Cloud Formation, Code Build, Code
* Automated various infrastructure activities like Continuous Deployment using Ansible Playbooks and have Integrated Ansible with Jenkins. Installation, Maintenance, Administration, and troubleshooting of RHEL servers.
* Configured and tested PXE server to perform automated installations of Operating System on multiple VM’s s at once using kick-start.
* Knowledgeable in configuring and managing security features such as multi-factor authentication (MFA), data loss prevention (DLP), and conditional access policies to protect Microsoft 365 environments.
* Extensive experience in using all types of SQL Server Constraints, SQL Server Database design, Database maintenance, developing Transact- SQL queries, stored procedures, and triggers using SQL Servers. Building of Oracle RAC (Oracle Real Application Clusters) environment. Performed Disaster Recovery in RHEL servers which consists of LVM based FS and Red Hat Clustering.
* Designed and configured Ansible automation environment across organization for configuration management and automation projects .Install and configure Puppet Masters, Linux infrastructure/package management using puppet.
* Deploy configuration changes to Akamai and Comcast CDN
* Good Routing experience in Content Delivery Network (CDN) wif Akamai, AWS CloudFront, and Route 53.
* In-depth experience with Amazon AWS Cloud Services, (EC2, S3, EBS, ELB, Cloud Watch, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, EC2 Container Service) and managing security groups on AWS.
* Create MOP’s for staff to support the CDN environment
* HTTP Streaming, ABR Formats, VOD Content, CDN Assisted VOD Platform, Edge Caches, MID Caches, Origin, Content Routing, Traffic Ops, Traffic Monitoring, InfluxDB, Stats Server, Content Health Monitor, Delivery Services, Content Federation, Persistent Storage for partitions, Ram Cache, Apache Traffic Server, Make Doc’s documentation server
* In-depth experience with Amazon AWS Cloud Services, (EC2, S3, EBS, ELB, Cloud Watch, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, EC2 Container Service) and managing security groups on AWS.
* Worked with server infrastructure team to provision servers, virtual machines and standalone systems through SCCM and Docker Containerization.

**Mega India May 2014 to Nov 2016**

**System Administrator**

**Responsibilities:**

* Managed servers on the Microsoft Azure Platform, Azure Virtual Machines instances using Ansible Configuration Management and created Ansible Playbooks, tasks and roles to automate system operations.
* Designed and implemented Continuous Integration and Continuous Deployment frameworks from code to deploy using Jenkins. Installed Jenkins/Plugins for GIT Repository, Setup SCM Polling for Immediate
* Build Results are managed in Anthill Pro and deployed using workflows in Anthill Pro.
* Developed Windows Powershell script to automate setting of user credentials and activation of Windows Helping the Project team to get transformed to Scrum methodology using TFS 2012.
* Configured SSH, SMTP, Build Tools, and Source Control repositories in Jenkins. Installed multiple plugins to Jenkins.
* Managed all cloud and on-premises environments at, including servers running the Windows, Linux, IBM AIX, and Solaris operating systems Managed Maven project dependencies by creating parent - child relationships between projects.
* Strong experience in installation, configuration, maintenance and troubleshooting of Red Hat Linux, SUSE Linux, Ubuntu, Fedora, CentOS, Sun Solaris, Windows Servers. Experience in Unix/Linux Networking services and protocols like TCP, SMTP, HTTP, LDAP, DNS, NFS, DHCP, NAS, FTP, SSH, and SAMBA. Using ANT, Puppet/ Chef Scripts with Ivy to build the application and deploy.
* Experienced in supporting database systems including Oracle, MySQL on Linux/Unix, and Windows environment.
* Expertise with patch Management of hosts and VM’s using VMware vCenter Update Manager to create baselines, baseline groups to stage and remediate. Extensive experience in installing and configuring storage technology such as SAN, NAS, iSCSI, and RAID. Ensured optimal network performance and documented administration practices for peers.
* Responsible for monitoring and maintaining systems which includes several servers, user base and more than 100 various applications, built several VMware servers running several applications.
* Applying Securities Policies. Creating a test Environment in VMware for Production Team to test their applications.
* Migrated P2P, P2V and V2V Servers using VMware Converter and Platespin.