**Moin Khaja**

**Summary**

* 7+ years of extensive experience in Azure Cloud, Windows Systems and Virtualization Implementation and troubleshooting of mission critical IT systems assignments. Deploy and upgrade systems, including hardware, software, networks, databases, servers, and mobile devices.
* Hands on experience in Azure Development worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Storage Accounts and ARM templates.
* Experience is setting up hybrid cloud environments, backup and disaster recovery solutions and migrating On-Prem servers into Cloud.
* Experience in migrating applications from customer on-premises datacenter to the cloud platforms.
* Responsible to Configuring and managing Virtual Machines, Storage, network and applications using Windows Azure portal.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, and Auto-Scaling.
* Expertise in ESX and ESXi servers - configuration, Installation, management and maintenance with High Availability, DRS, vMotion, Storage vMotion and Fault Tolerance.
* Expertise in migrating the existing v1 (Classic) Azure infrastructure into v2 (ARM), scripting and templating the whole end to end process as much as possible so that it is customizable for each area being migrated.
* Upgraded Virtual Centers to vSphere and created a linked mode environment for VC's
* Experience in configuring Azure web apps, Azure App services, Azure Application insights, Azure Application gateway, Azure DNS, Azure Traffic manager, App services, Analyzing Azure Networks with Azure Network Watcher, Implementing Azure Site Recovery, Azure stack, Azure Backup and Azure Automation.
* Experience in migrating on premise to Windows Azure using Azure Site Recovery and Azure backups.
* Strong understanding of ITIL V3.0 infrastructure management (Service Lifecycle, service operations, service transitions).
* Worked on P2V conversions and migrations of physical servers with different OS like Windows and Linux to virtual Platform using VMware converter. Implemented Rapid VM deployment preparing templates, cloning and exporting VM to OVF format.
* Configured storage devices along with iSCSI disks in SAN using RAID 1, 5 and 10.
* Experience in working with Windows Server 2008/2012 R2 Active Directory and Administration
* Experience in automating day-to-day activities by using Windows PowerShell and Azure CLI 2.0.
* Experience in creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch.
* Experienced in Waterfall, Agile/Scrum, Lean and most recently Continuous Integration (CI) and Continuous Deployment (CD) practices.
* Expertise with Rack/Blade servers, Windows Active Directory Administration, Windows Server 2000/2003, Windows Server 2008/2012 R2, Microsoft Exchange 2003/2007/2010, DNS, TCP/IP, DHCP; managing Microsoft SQL Server 2005/2008
* Experience with x86 / x64 Intel, HP, IBM & Dell hardware like Blade Servers, rack-mounted Servers, Tower Servers, Desktop, Laptop and other peripherals.
* Good Knowledge in using Build Automation tools like ANT, Maven and working knowledge on other build tools like Make file.
* Good Experience in using the backup technologies, TSM (Monitoring and Resolution) and Symantec VERITAS NetBackup and ticketing tools, Service Centre, BMC Remedy and Service-now.
* Involved in migrating SQL Server databases to SQL Azure Database using SQL Azure Migration Wizard and then Deployed application to Azure Cloud.

**Education**

* Bachelor’s in Computer Science, Osmania University, India 2011
* Microsoft Certified - Azure Administrator Associate.

**Technical Skills:**

**Cloud:** Azure/Google/Aws    
**Operating Systems:** Windows Server 2008 R2/2012, Windows2003 SP1, Windows Server 2000, Linux RHEL 4/5/6    
**Server Services:** Windows server 2016/2012/ 2008/2003/2k, SQL Server 2000 and 2005, Microsoft Active Directory 2003, Microsoft Exchange, DHCP, DNS and WINS Services, Microsoft Internet Information Services 6.0    
**E-mail Clients:** Microsoft Outlook, Lotus Notes, Office 365  

**Work Experience**

**Century Link, Dublin, Ohio**

**Azure Cloud Engineer**

**Mar 2018 to Present**

* Detailed Support to Customers of Microsoft Azure in Develop, Debug, And Migration of on Premises Infrastructure into Public or Private Clouds.
* Working as cloud Administrator, involved in configuration for Web apps/Function apps, V-net integration, HCM, Application gateway, App Insights, Active directory, Azure Key Vault, Encryption and Security on AZURE using ARM templates and PowerShell script.
* Responsible for implementing and architect Azure cloud and network infrastructure.
* Responsible to configure alert notification to monitor CPU matrices, VM server healths and events logs.
* Responsible to configure and design network infrastructure in Azure cloud like implementing virtual private network, site to site and point to site VPN.
* Deployed VNETs and Site-Site VPN using PowerShell and deployed VMs into various Subnets and enabled communication between Subnets.
* Perform troubleshooting and diagnosis to hardware/software network failures and provide resolutions.
* Configure Azure AD and set registered custom domains.
* Upload and deploy Azure VM using custom images.
* Implement network security in Azure environment through Endpoints, ACL and rules in windows azure portal.
* Coordinate with Application owners and installed the applications on servers.
* Planning and implementing Disaster Recovery solutions, capacity planning, data archiving, backup/recovery strategies, Performance Analysis and optimization.
* Designed and developed Cloud Service projects and deployed to Web Apps, PaaS, and IaaS.
* Troubleshooting the Azure Development, configuration and Performance issues.
* Azure VMs, Networking (Load Balancers, App Gateway, Traffic Manager, etc.)
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack Monitoring using Ansible playbooks using CI tool like run desk and Jenkins.
* Implemented cluster services using Docker and Kubernetes to manage local deployments in Kubernetes by building a self-hosted Kubernetes cluster using Terraform and Ansible and deploying application containers.
* Used Ansible to manage Web applications, Environments configuration files, Users, Mount points and Packages.
* Drive end to end deployment of various Components on the Azure Platform
* Developed PowerShell scripts and ARM templates to automate the provisioning and deployment process
* Configured VM networking with reserved IPs, Health Monitors, Firewall rules, VM scale sets and availability sets in theAzure Cloud.
* Developed Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages. Implemented Continuous Integration using Jenkins and GIT.
* Good Knowledge on Microsoft troubleshooting tools. (Jarvis, App lens, Kusto logs, observer, WTS)
* Deployed micro services, including provisioning AZURE environment.
* Extensively used Docker for virtualization, Ship, Run and Deploy the application securely to fasten Build/Release Engineering process.
* Using PowerShell to write, debug scripts to automate the processes and do migration of VM, involving copying and creating of VHDS.
* Installing windows roles, features and deploying applications using PowerShell scripting.
* Configured VMs in availability sets using ARM templates to provide resiliency for IaaS based solution and scale sets using Azure Resource Manager to manage network traffic.
* Deployed VNETs and Site-Site VPN using PowerShell and deployed VMs into various Subnets and enabled communication between Subnets.
* Managing day to day activity of the cloud environment, supporting development teams with their requirements.
* Creating and Scheduling of Cron-Jobs such as backup, System Monitoring and removal of unnecessary files.
* Worked on container-based technologies like Docker, and Kubernetes.
* Interacted with multiple teams who are responsible for Azure Platform to fix the Azure Platform Bugs.
* Providing 24/7 support for on-call on Azure configuration and Performance issues.
* Excellent Client interaction skills and proven experience in working independently as well as in a team.
* Involved in daily meetings, product backlog and other scrum activities and artifacts in collaboration with the team.
* Regularly collaborate with engineers in many other Microsoft verticals/disciplines: Browsers, Intune, Networking, Virtualization, Directory Services and App Services.

**UPS, Louisville, Kentucky**

**Azure Cloud Admin/Engineer**

**Sept 2016 to Feb 2018**

* Deployed, maintained and implementation of Cloud solutions using Microsoft Azure and underlying technologies
* Migrating Services from On-premise to Azure Cloud Environments. Collaborate with development and QA teams to maintain high-quality deployment
* Deployed the initial Azure components like Azure Virtual Networks, Azure Application Gateway, Azure Storage and Affinity groups.
* Replicate VMware VMs to Azure with Site Recovery.
* Configured SQL Server 2016 and 2012R2 on to Azure VMs.
* Conducted capacity planning and architecture of Storage Accounts.
* Configured Azure Traffic Manager to build routing for user traffic Infrastructure Migrations: Drive Operational efforts to migrate all legacy services to a fully Virtualized Infrastructure.
* Prepared capacity and architecture plan to create the Azure Cloud environment to host migrated IaaS VMs and PaaS role instances for refactored applications and databases.
* Installing the Applications Insights tool on the web services and configuring an Application Insight workspace in Azure. Configured Application Insights to perform web tests and alerts.
* Handle deployment workflow including provisioning, load balancing, and health monitoring.
* Implemented HA deployment models with Azure Classic and Azure Resource Manager
* Configured Azure Active Directory and managed users and groups.
* Configure continuous integration from source control, setting up build definition within Visual Studio Team Services (VSTS) and configure continuous delivery to automate the deployment of ASP.NET MVC applications to Azure web apps. Deployed DSC from Azure Automation to On-premises or cloud environments.
* Installing IIS and ASP.NET modules, configuring server and adding ASP.NET Applications via command line.
* Configured Azure Automation DSC configuration management to assign permissions through RBAC, assign nodes to proper automation accounts and DSC configurations, to get alerted on any changes made to nodes and their configuration.
* Deployed Azure Container Services running Kubernetes clusters, with Windows agents and Linux agents. Created the clusters and deployed container-based applications from Docker Hub using the Kubernetes CLI.
* Configured stream analytics, Event hubs and worked to manage IoT solutions with Azure.
* Used PowerShell DSC to configure VMs, physical hosts.
* Used PowerShell DSC within Azure Automation runbooks to configure machines.
* Tested and deployed DSC configurations to all servers.
* Developed automation solution using PowerShell scripting for day to day operational tasks
* Modification of Certs, Password and Storage Accounts on the cloud platform Setting up and administer service accounts. Worked on Configuration of Internal load balancer, load balanced sets and Azure Traffic manager.
* Worked on Azure Site Recovery and Azure Backup- Installed and Configured the Azure Backup agent and virtual machine backup, Enabled Azure Virtual machine backup from the vault and configured the ASR.

**CBRE Group, Los Angeles, California**

**VMware and Windows Sys Admin**

**March 2014 to Aug 2016**

* Install, configure VMware ESX, ESXi, within vSphere 5 and 6 environments with Virtual Center management, vMotion and VMware Data Recovery.
* Regularly reviewed Firmware levels on Host/ servers, involved in analyzing and implementing OS patches, hot fixes as well as updates and Performed EMC power path upgrades
* Supported data migration activities in VMs using vMotion and data migration activities for Standalone Servers. Migration of File Servers and Print Servers.
* Support, troubleshot and maintain hardware including hosts/servers, storage and related peripherals.
* Monitored the Server Health Status of the CPU and memory, Tracked VM Resources (CPU, Memory, Disk), Managed Multiple Virtual Storage (MVS)
* Setup VDI environment in VMware environment ( ESXi 6.0)
* Daily administration of large-scale VMWare and Hyper-V environments
* Ensured coordination/integration with Storage, Network & Database systems specialists and Worked with IT management to plans and schedules system upgrades
* Used PowerShell to execute commands/scripts, Installed remote server administration tools using PowerShell, Used PowerShell, PowerCLI, VBScript script.
* Implemented the concept of Windows Clustering on the servers having critical applications running on it
* Administration of HP Blade servers using HP On-board Administrator and Integrated Lights-Out (iLO) C7000 Chassis/ vBlock, Integrated Dell Remote Access Controller (iDRAC)
* Performed routine maintenance on VMware environment such as vCenter upgrades, firmware upgrades, Patching, and HBA updates, Experience maintaining business continuity using snapshot backup technology in a virtualized environment
* Installation and Configuration of and vCloud Automation Center (vRealize) 6.0 as the Automation Solution
* Design, implementing and managing Active Directory (AD), Internet Information Server (IIS),
* Microsoft Operations Manager (MOM) /System Center Operations Manager (SCOM), Systems.
* Management Server (SMS) /System Center Configuration Manager (SCCM), Forefront Identity
* Manager (FIM), Microsoft Desktop Optimization Pack (MDOP)
* Provide daily support for the environment. Assist in all Data Center migration efforts, worked on SAN storage for Host Prep on Server, configuring shared LUN's, Expanding and Shrinking of hard disk.
* Coordinate with specialized technical teams to provide support to ensure environment health.
* Deployed VMWare VRO workflows and created new building blocks for workflows and deployed vCloud director.
* Experience in the Installation of desktops using VDI environment.
* Migrated and thoroughly documented the procedures to migrate from various environments to the latest version of Exchange 2010 and Windows 2012 R2.
* Supported Microsoft Exchange Server 2010/2007, Outlook, Outlook Web Access (OWA) / Web Mail, email queue and Exchange Push Mail for mobile devices.
* Maintain Troubleshooting with Stores dismount and maintaining the disk space in exchange 2010.
* Solved coexistence mail routing problem for the Office 365 migration team.
* Monitoring ITIL environments such as change/ incident Management, Create and monitor RFC up to closure, Reviews all implemented changes to ensure that they have met their objectives; refers back any that have been backed out.
* Handling Microsoft Exchange and also IT infrastructure transformation / exchange migration projects
* Administered Exchange 2007, 2010 and office 365 environments
* Built Windows 2008/2012 Wintel Servers on standalone and blade servers based on application design and deployed stack on these servers.
* Designed SOP and maintained proper documentation, closely work with program managers to ensure timely delivery of expected deliverables

**NetApp, Raleigh, NC**

**Windows/VMware System Administrator**

**June 2012 to February 2014**

* Working on more than 90% virtualized VMware environment / Windows Server in an enterprise environment. Virtualization monitoring and performance planning.
* Snapshots of Virtual Machines as when required.
* Worked on ITIL framework, which includes different type requests as per customer requirement like IM/CM/PM.
* Running patches and updates through update manager for the ESXi hosts.
* Create various types of desktop pools like manual pools, automated pools, linked clones’ pools, full clone pools and RDP pools in as per users’ requirements.
* Administering Windows 2008 Active Directory, DNS, DHCP and building new windows physical/virtual servers as per the requirement of the project. Deploying security patches from Tivoli End point Manager.
* Checking for 100% compliance of the documentation. Responsible for OS upgrade, patching and migrations.
* Active Directory management, Group Policy administration, maintenance of DHCP, DNS and other application servers.
* Handle complete IT infrastructure - servers, storage solutions and administration, VMware configuration and administration, network devices, security devices for data center.
* Building VM’s and new templates for and allocating them to appropriate resource pools, upgrading VMware Tools.
* Administering Windows 2008 Active Directory, building new windows physical/virtual servers as per the requirement of the project.
* Installation and configuration of Windows Active Directory Services. Setting up Domains and configuring DHCP, DNS servers, IIS Servers. Optimization and performance tuning as needed.
* Enforce domain security through Group Policy Administration, Active Directory Management.
* Creating & managing user accounts, e-mail accounts, managing user rights and permissions. Configure mail clients. Managing User & Group accounts and their access control.
* In place upgrade of Windows 2003 servers to Windows 2008 of physical and virtual machines.
* Create Active Directory users and groups, including delegating authority and applying permissions to various member servers’ nomenclature.
* Updating and upgrading ESXi servers using vCenter update manager.
* Remote Access using Terminal services. VPN access to enterprise resources. Set up connectivity between head office and remote location for users. Setting up connectivity between head office and remote location for users.
* Responsible for Citrix Server infrastructure software support, XenApp server for application virtualization.
* Manage change requests for all environments using Change Management process.