[](http://www.pkguild.com/wp-content/uploads/2012/12/vexpert_logo_for_blog.png)

**Mohammed**

**Professional Summary**

* Systems Administrator with 8+ years of experience in VMware vSphere- global virtualization and storage networking infrastructure.
* Experience in designing, deploying virtual networks and upgrading systems, including hardware, software, networks, databases, servers and peripheral equipment.
* Extensive experience with **Active Directory, GPO’s, DHCP, DNS, IP, Sub Nets, VPNs, vLAN, Network routing, firewalls, LAN/WAN switching and Backup & Recovery,** **File & Print Server, IIS (Web Server), FTP, Terminal Server.**
* Extensive experience in **Windows 2008/2003/2000/NT4.0**Servers at single or multi domain platforms.
* Motivated, enthusiastic, and pro-active System/Network Administrator with an excellent**\'can-do\'**attitude. Expert in Windows Server System Administration skills.
* Configured and monitored servers using VMWare vSphere software.
* Convert 80% of the RHEL/Wintel Infrastructure from Physical servers to VM's utilizing a combination of VMware converter and PlateSpin.
* Responsible for support of 15000+ wintel servers
* Professional, outgoing tier 3 supports and solutions provider for complex IT strategies and initiatives to reduce maintenance and costs along with providing stable and reliable services.
* AWS Cloud platform and its features which includes EC2, Route53, VPC, EBS, AMI,SQS, SNS, RDS, DynamoDB, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Autoscalling, CloudFront, IAM, S3,DirectConnect and OpenVPN for Site to Site connection.
* Find services and Processes, Find Server IP address Server name, Domain, Domain Controller, OS type
* Built Cent OS 7 compatible packages for Data Logistics Toolkit (DLT) and created Ubuntu repository with debian support
* Maintained mixed (physical/virtual/cloud) environment of more than 400 Cent OS 6 servers
* Deployed patch management system for Cent OS
* Extensive experience in the area of Virtualization with VMware vSphere, ESXi 4.1/5.0/ 5.5 servers, vCenter server […] vCenter Converter, VMware View 4.x/5.0, Virtual Desktop Infrastructure (VDI), Update Manager, DRS, HA, VMware vCenter Orchestrator (vCO), vCenter Operations Manager (vCOps), vSphere Replicator, vSOM.
* Experience in Installation and Configuration of Single Sign on Sever (SSO), vCenter Inventory Services and vCenter5.1.
* Installation of vCenter 5.1 Single Sign on Server (SSO), Web Client, Inventory Services and vCenter Server
* Experience in with **Virtualization** technologies like installing, configuring, **VMware vSphere**. Creation, management, administration and maintenance of virtual servers and clients.
* Support and Performing and design computers image Windows 7 windows 8.1 IND ENT.
* Citrix Xen App installation and configuration build knowledge of new Windows servers with 2008 & 2012.
* Experience in Networking configuration & Security Configuration on **ESX** Host.
* Extensive knowledge in advance features of **ESX VMOTION, SVMOTION, HA** and **DRS.**
* Experience in **P2V, V2V MIGRATION** using **VMware Converter / Plate Spin 6.8.x**. Creating host and client **VMtemplates** and **cloning**.
* Experience in **Microsoft Office Suite; Open Office, Visio, Outlook, Printing, and Windows networking**.
* Experience with**x86 / x64Intel, HP, IBM & Dell** hardware like rack-mounted servers, tower servers, desktop, laptop and other peripherals.

**TECHNICAL SKILLS:**

**VMware**: VMware Vsphere 3.5/4.1/5.0, Workstation 6/7, **ESX** Server 3.5, VMware DRS, HA and FT, VMware Standalone Converter 3.0, VMware Update Manager 1, VMware Virtual Desktop Infrastructure VDI, VMware View.  
**Operating System** : Windows Server 2008 R2, Windows Server 2000/2003 SP1/ 2008, Windows XP/Vista/7  
**Application Servers** : Microsoft Active Directory 2003/2008,DHCP, DNS, Microsoft Internet Information Services (IIS) 6.0/7.0, SCCM  
**Backup Solutions** : VMware VCB  
**Desktop Application** : Microsoft Office 2003/2007, Outlook 2003/2007, Star Office, VMware Workstation 5.0 and 6.0  
**Networking Equipment** : CISCO Routers 17xx, 26xx, 36xx and 76xx Series, CISCO 29xx, 39xx Series Switches, CISCO IOS 10.x 11.x and 12.x, IBM Routers and switches.

**PROFESSIONAL EDUCATION & CERTIFICATIONS**

* Bachelors in Computer Engineering With First Class (3.25 GPA)
* Vmware Expert
* Redhat certified Engineer.

**PROFESSIONAL EXPERIENCE:**

**Client: CMS Energy – Jackson MI April 2014 – Present**

**Position: Sr. VMware Engineer**

**Roles & Responsibilities:-**

* Installation, configuration and deployment of VMware products such as VMware Workstation, VMware converter, VMware View, VCB and more in virtual environment
* Experience in installing, configuring and troubleshooting VMware View Composer and View Connection Manager to make Virtual Desktop Infrastructure efficient and to simplify desktop administrative management tasks. Responsible for successfully upgrading all hosts and vCenter servers to vSphere 4.1
* Installation, configuration and upgrade of Redhat Linux 5/6, AIX 6/7, SUSE 11 operating systems.
* Achieved Deployed WRTC Unified Communication application in private network on KVM and VMware ESXi platform using HP Gen 8 Dl380p server
* Convert 80% of the RHEL/Wintel Infrastructure from Physical servers to VM's utilizing a combination of VMware converter and PlateSpin.
* Responsible for support of 15000+ wintel servers
* Act as subject matter expert for open systems, vmware, and wintel for various project ranging from DR to security and compliance.
* Deployed 3 WRTC (Web with Real Time Communication) instances, Element Management system, Nginx Load balancer on KVM and configured Sonus SBC and PSX to route calls to PSTN network also configured Cluster to register WRTC instances with the EMS and di
* Installation and configuration of Microsoft Windows 2008 and 2012 Servers.
* Completed Physical-to-Virtual (P2V), Virtual-to-Virtual (V2V) and Virtual-to-Physical (V2P) migration of Windows NT, 2000, 2003, & 2008.
* Upgrade windows server operating system from 2003 to 2008 and 2008 to 2012.
* Installation and configuration of Microsoft Windows 2008 and 2012 Servers.
* Support and updates auto push to users' desktop or laptops Windows Server Update services.
* Installed and configured Hadoop components MaprFS, Hive, Impala, Pig, Hue.
* Experience in Implementing High Availability of Name Node and Hadoop Cluster capacity planning to add and remove the nodes.
* Manage NSX firewall, network components such as controller,edgegateway and routers
* Create and Manage Logical Switches and vDS in NSX and vSphere and Manage ESXi cluster in NSX
* Maintained and supported System Center Orchestrator environment
* Reconfigured all **ESX** network connectivity utilization including VLAN tagging and teaming and also the configuration of many dvSwitches with 802.1q VLAN tagging
* Good experience in using Cisco IOS commands and techniques to perform SAN zoning
* Experience of FC SAN/iSCSI SAN/NAS (EMC (CX3), NetApp, Dell MD3000i, Dell MD1000) storage technology and work with SANs in VMware environments
* Good experience in migrating production VMs using Storage vMotion to new Datacenter with zero downtime.
* Developed the architecture for a cloud platform using vSphere ESXi, vCenter, vCloud Networking and Security, SRM, F5, Juniper Firewall, HP BL460c g7, HP P9500, CommVault, vCenter Operations Manager, HyTrust, TrendMicro, and vCenter Configuration Manager.
* Provide daily 8am on-site situation report to CTO and **Wintel** manager
* Provide SME support to **Wintel** support staff for server installation and reprovisioning.
* Designed a **Citrix** XenApp Farm of 60 virtual servers on XenServer using **Citrix** Provisioning service
* Managed and support VMware vCloud Center and VMware vCenter Orchestrator (vCO) in Customer's pre-production environment
* Administered VMware Infrastructure - vSphere/vCenter/VDI environments from Development and Support to day today maintenance; running over 300 ESXi Hosts and 4000 Virtual Machines
* Performed Hardware and Software maintenance of Windows Server environment including VMware ESX/ESXi Host, Clusters, Servers and Virtual Machines; and Interfaced with different Venders
* Involved in Migration project from ESXi 4.X to vSphere 5.0 and 5.5 and complete Migration of VMs.
* Installed and configured vSphere ESXi on HP blade/Rack servers/Cisco UCS.
* Built and deployed web based applications utilizing many components of the AWS stack (Including EC2, R53, S3, and RDS), focusing on high-availability and fault tolerance.
* Configured storage LUNs for VMFS and raw disk mappings (RDM’s) on an HP EVA 4400
* Good experience in configuration of iSCSI storage box with the help of Open filer
* Experience in troubleshooting SAN related issues and firmware up gradations of SANs in VMware and different environments
* Support Multiple (PSM and Core) VMware 3x and vSphere4 farm.
* Design and Plan Upgrade to vSphere5
* Involved in DR design and planning
* Actively involved in PSM VMware vSphere4/ESX4, Win2003/2008R2 Server deployment in DR environment
* Transfer the AD role from old server to new server and then do the meta data clean for old Domain controller.
* SCCM/SCOM direct setup install executables plus multiple third party apps. Manage servers and user acct OU's and object containers in the AD.
* Expert knowledge of and Experience in Object oriented Design and Programming concepts using Python.
* Experienced in WAMP (Windows, Apache, MYSQL and Python) and LAMP (Linux, Apache, MySQL, Python) Architecture.
* Experienced in developing web-based applications using Python, Django, CSS, HTML, JavaScript and jQuery.
* Configured DNS, DHCP etc.
* Worked on Chef and **Puppet** .
* Created own **Puppet**  module with python.
* Test and recommend Replication/Backup solutions for VMware, SAN and Disaster Recovery
* Carve LUN’s & Manage HP EVA4400 Fiber SAN and HP Left hand P4500 Storage Solutions
* Installing & Configuring **Puppet**
* Deployed **Puppet,** **Puppet** Dashboard & **Puppet**  DB for configuration management existing infrastructure.
* Provision VMware Data store’s and configure storage for Virtual Machines
* Hands on experience with Windows 2k, XP, 7, 2003 and 2008R2 Server and MS Office

**Environment:** Windows 2000/2003/2008 R2, Windows XP/Vista/Win 7, Cloud Foundry, VMware **ESX** 4.0 Server, Open filer iSCSI SAN/NAS, HP Proliant Blade Servers, Remote desktop services.

**Client: Bank of America,NY November 2013 to April 2014**

**Position: Sr. VMware Engineer**

**Roles & Responsibilities:-**

* Using VMware vCenter, created Data Center Environment by creating VMware clusters, adding **ESX** hosts in the clusters, and implemented HA and DRS.
* Installed and configured **ESX** 4.0 Servers on Blade Servers.
* Performed physical to virtual (P2V) migrations for approximately 500 physical servers utilizing VMware Converter.
* Creating and Managing VMware vSphere v 3.5, 4, and 5 virtual datacenters, Linux ,KVM, and IBM PowerVM virtualization infrastructures
* Implementing centralized infrastructure management using IBM KVM, RSA, and IMM
* Good at scripting languages like Python, Ruby, Perl, Bash and configuration management tools Chef, Puppet, and CF Engine and Web Service like AWS.
* Wrote numerous bash scripts
* Application includes OpenStack and derivations like Chameleon Cloud was used to monitor hosts both virtual and bare metal.
* Designed upgrade process that successfully moved large OpenStack customers from the Icehouse release to the Kilo release reliably, with no loss of state, and with simple rollback procedures that won acclaim from major accounts.
* Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment like OpenStack.
* Act as subject matter expert for open systems, vmware, and wintel for various project ranging from DR to security and compliance.
* Established an open systems / wintel remediation plan for issues found during Monthly DR tests
* Administration of Wintel / Compliance budget
* Used Git to resolve and coding the work on python and portlet
* Developed web page using Django 1.9 framework on python
* Proficient in bash scripting
* Experienced in WAMP (Windows, Apache, MYSQL and Python) and LAMP (Linux, Apache, MySQL, Python) Architecture.
* Experienced in developing web-based applications using Python, Django, CSS, HTML, JavaScript and jQuery.
* Create reports using ODBC and Oracle based database connections.
* Upgraded Red Hat Linux OS on Websphere, Jboss, WebLogic and Oracle database servers from V3, V4 to V5.
* Installing, configuring and troubleshooting VMware View
* Performed tons of V2V Migration
* Build interfaces for importing/exporting 3rd party data feeds leveraging various external formats using Perl DBI, Net: FTP, XML::CSV, XML::Simple, XML::Writer modules
* Excellent hands on experience in XML, XSL, and XML parsers, SOAP, UDDI.
* Experience in developing Web Services using SOAP, Apache Axis, JAX-WS 2.0, JAXB, and JAX-RPC.
* Configured and managed Apache Web Server on Linux for web based applications using REST/SOAP, Apache and Weblogic.
* Cleansing data generated from weblogs with automated scripts in Perl/Python
* Monitoring Python scripts run as daemons in the UNIX/Linux system background to collect trigger and feed arrival information. Helped calculating SLA misses.
* Automated most of the manual and reporting work using Python.
* Empower people to act with speed, agility and ensure accountability through the SDDC program. Identify and create opportunities for individual talent to have complete accountability to deliver.
* Forge internal collaboration across levels of the enterprise by aligning SDDC process owners.
* Participate in SDDC team leadership team to drive strategy, organization and targets
* Support VMWare ESX 5.5 as well as additional tools (vRealize, VUM, etc .)
* Design and implementation of VMware VRealize or VCAC to host the servers in the public cloud and private cloud.

**Environment:** Windows 2000/2003/2008 R2, Windows XP/Vista/Win 7, Cloud Foundry, VMware ESXi 4.0 Server, VMware View, VMware Lab Manager. Open filer iSCSI SAN/NAS, HP Proliant Blade Servers BL280C G6, BL460C and 620C Series, Dell Power Vault NAS, Sonic Wall Firewall, Remote desktop services, Net App FAS3050, FAS3160, FAS270

**Client: CRU - Orlando FL October 2010 to October 2013**

**Position: Sr. VMware Engineer**

**Roles & Responsibilities:-**

* Administrating DNS, DHCP servers. Created and managed user and group accounts in User Manager.
* Experienced with x86 / x64 Intel, HP, IBM & Dell hardware like rack-mounted servers, tower servers, desktop, laptop and other peripherals.
* Responsible for Active directory, GPO, Domain users, Administrating users and groups and given appropriate permissions and privilege to access our LAN and Domain environment.
* Installed & configured Windows 2008 with Active Directory service.
* Installing, configuring, administering, troubleshooting VMware server on **ESX** platform and VMware client, workstation.
* Implemented horizontal auto-scaling in Openstack cloud, integrating it with Chef and configured Icehouse, Kilo (multi-node architecture) versions of Openstack.
* Experience in provisioning and optimizing of compute, network, and storage services with OpenStack through dashboard, command-line and API utilities.
* Configuring and implemented an OpenStack SDN infrastructure to enable massive dynamic scaling of compute and storage resources.
* Provide daily 8am on-site situation report to CTO and **Wintel** manager
* Provide SME support to **Wintel** support staff for server installation and reprovisioning.
* Excellent understanding of SAN, NAS storage architecture.
* Responsible for Desktop, Laptop, Network and Outlook support & troubleshooting client’s issues.
* To modify and debug existing Perl code issues, to develop new feeds to extract data from the database and send to channel partners and web stores. To monitor the on call supports issues and fix them.
* Technology used in project were BMC Remedy ARS, PERL/CGI, Shell Scripting, Sablime Version Control on SunOS and Oracle 10g
* Development of Remedy Forms, Workflows and Perl APIs, Shell Scripts.
* Developing Perl APIs, PERL/CGI Scripts, Remedy Workflows.
* Have worked on Web Sphere Transformation Extender 8.0, WebSphere Data power XI50 while Interacting with Message Broker V8.
* Installed and configured VMware ESX server on IBM x3650, x3550 servers.
* Support to Red Hat Linux ES 4.x, 5.1, 5.2 and CentOS on various IBM hardware Servers.
* Was Responsible for Backup/recovery strategy of all windows based servers. Planned and implemented fault tolerance and strategies for backup and restoring files on the network using different media devices like tape drives, compact disk and additional hard disk etc.

**Environment:** Windows 2000/2003, SMS, SQL Server 2000, IIS 6.0, Exchange Server 2003, Microsoft WSUS, Windows XP, VMware **ESX** Server and Workstation, Open filer, IBM TSM, EMC SAN, SCCM 2007Dell NAS, Zywall and Sonic Wall Firewall.

**Client: Hasbro – RI November 2008 to September 2010**

**Position: VMware Engineer**

**Roles & Responsibilities:-**

* Installation of **ESX** server and creation of VMs and install different guest OS.
* Installation of VC server and Installing Virtual center components
* Updating **ESX** host’s using VMware Update manager.
* Monitoring and managing performance of **ESX** servers and Virtual Machines.
* Creation of templates from VMs and Creation of VMs from templates.
* P2V and V2V conversions by using VMware Converter.
* Working on VMware clustering like HA and DRS clusters using VC.
* Working on Migration concepts like Vmotion and cold migration, Storage Vmotion
* Creation of templates from VMs and Creation of VMs from templates.
* Managing an **ESX** server host from Virtual center.
* Creating Virtual switch.
* Perform advanced trouble shooting of Windows AD/ VMware failures - L3 level support
* Connecting to **ESX** server by using VIC, putty and Web access.
* Working on networking concepts like creation Vswitches, different types of port groups, Ni

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

**Client: Magellan Health Services - St Louis MO December 2007 to September 2008**

**Position: VMware Engineer**

**Roles & Responsibilities:-**

* Served in computer maintenance, performed all types of hardware, software maintenance and engineering in addition to systems selection, backup and technical support.
* Installing, configuring and Windows 2003 servers of DHCP, FTP, WSUS, Web Server and SQL Database Server.
* Creating and managing the users, groups, GPO in the Active Directory.
* Implemented, Managed ISA server 2004 Firewall with web filtering and Remote Access VPN.
* Implemented and managed McAfee Antivirus EPO Server and clients for LAN security
* Monitoring of Internet usage, Antivirus statistics and reporting to Project Manager.
* Responsible & managing Online Trading applications, Servers & Connectivity with stock exchanges, providing remote support to end clients and branch users.
* Installation and Configuration of networks, router configuration and wireless access point/router with security, TCP/IP, VPN, Content Filtering, Access Control Lists on router/switches, VLANs (port mapping, naming etc.), and routing IP address in both LAN/WAN and wireless networks.)
* Investigated user problems, determined possible solutions, oversaw software, installation and upgrades.
* Creating a backup job and also took backup of data centre on daily, weekly and monthly basis.
* Planned and coordinated with major vendors like ISP and V-SATs service providers for installation/Down Calls of branches.
* Perform advanced trouble shooting of Windows AD/ VMware failures - L3 level support
* Assigned duties and supervised a team of junior network engineers.

**Environment:** Microsoft Internet Security and Acceleration (ISA) Server 2004, Windows 2000 Server, Windows 2003 Server, Windows NT Server, Windows XP.

**Education:**

Bachelors of Computer Engineerings