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###### Arvind Vijay

### Profile

* Technology driven professional with over 7+ years of experience in areas of IT infrastructure operations, support and system administration.
* Migrated 900 + Servers from on-Prem to AWS cloud in 6 Months.
* Experience in Physical to Virtual P2V and Virtual to Virtual conversions using VMware convertor, Plate Spin power convertor and Vcenter Guided consolidation.
* Extensive experience in working with Vmotion and Storage Vmotion Technology.
* Extensive experience in the area of Virtualization with **VMware vSphere, ESXi 6.0,6.7,5.0, 5.5 servers, vCenter server** and **vConverter, VMware Orchestrator vCO, vCenter Operations Manager vCOps, vSphere Replicator, VMWare NSX.**
* Extensive experience managing and directing a globally distributed wintel team working on follow water-fall and bell curve model.
* Extensive experience in Cloud design and Architect such as Microsoft Azure, AWS and vmware.
* Ability to manage multiple complex projects for internal and external customers. Innovative, creative and results oriented.
* Work "hands-on" and also understands the value and importance of delegating work and responsibilities if necessary.
* Experience working with enterprise management systems, ITIL service delivery, and service desk integration.
* Knowledge of storage Platform Technologies (SAN/NAS) including Hardware & Software (EMC/NetApp/Sun/IBM/HP etc.)
* Possesses a proven ability to streamline processes and coordinate efforts between diverse groups.
* An adaptable leader rapidly learns new technologies and stays abreast of trends in the industry to place the company at the forefront of technology and increase productivity and profitability.
* Significant Change Management experience implementing and managing the change control process, negotiating with business units and attending essential meetings.
* Experience in 24x7 production support environment with pager rotation and on call schedules.
* Carry out the major responsibilities as a planner, co-coordinator, and executor during critical database maintenance activities including move, upgrade, migration, and application of quarterly CPU patch etc.,
* Experience on working with Oracle support to resolve oracle critical issues and resolutions.
* Extensive experience in design and deployment of AWS, VMware, oracle virtual box along with Application and Desktop Virtualization.
* Application virtualization and supporting the users using Citrix XenApp.
* Implemented **VDI** Virtual desktop infrastructure technology using **VMware VIEW 4.5/4.6**
* **Migration** of business critical technologies **VMware SRM 5.0**, **vShield** and **VMware View.**
* Worked on Citrix XenDesktop as a front end for VDI.
* Excellent in Python, Ansible and Unix Shell Scripting.
* Conduct one-to-many training sessions to transfer the knowledge to the customers using AWS.
* Educate the user and front end customers on the value of AWS and participate the discussion in ensuring the design deployed in cloud. Helped to develop backup and recovery strategy for applications and database on virtualization platform.
* A high level of business awareness and commercial acumen

**Architecture and Capacity Planning:**

* Experience in Capacity Planning, Database Storage techniques, auditing and security management.
* Experience in Oracle role management, grants, synonyms and views.
* Installations of Oracle software with OFA standards
* Experience in database security patch management, upgrading oracle RDBMS to higher versions which includes RAC and non RAC environments.
* Experience working in large database migration environments (Largest DB handled is 40 Terabytes).
* Strong knowledge on Amazon Kinesis, Lambda, Amazon SQS, SNS, SWS.
* Create a lift and shift process model clearly to define the individual steps of lift and shift process.
* Ability to design high availability application and servers on cloud adhering to DRS and availability best practices.
* Ability to calculate ROI from adopting cloud and articulate to customers.

**Cloud:**

* Experience with Cloud Management Platforms (CMP’s) and automation tools such as Puppet, Chef, Cloud Formation, etc.
* Assist with creating cloud migration strategies; defining delivery architecture, creating the migration plans, designing the orchestration plans, and more. Assist in creating and executing of migration run books.
* Migrating VM servers to AWS cloud to move with the cutting edge technology.
* Develop and implement EDB VSOD (Virtual Server on Demand) which is a concept for renting virtual machines to EDB new projects as per monthly basis. Included design, operation guides
* Virtualization project when moving one customer from one site to another. Including design and implementation with the cloud requirement.
* Virtualizing one existing EDB customer. Including design, implementation and internal education
* Establish disaster recovery testing methodology.
* Have also participated in building new servers, hosting application, publishing the application and then supporting the production environment.
* Analyzed security incidents and presented a quarterly report to the Management ADH.
* Attending bridge calls and having regular client interaction on different process related issues.
* Troubleshoot Citrix and their application related latency issues
* Performance monitoring and tuning of Citrix servers, monitoring application servers through Citrix resource manager.
* Solving launching application issues and also login issues to the XenApp server for the users.
* Monitor the security of critical systems (e.g., e-mail servers, database servers, web servers, etc.) and changes to highly sensitive computer security controls to ensure appropriate system administrative actions, investigate and report on noted irregularities.
* Configuring Network and Storage in a virtual environment.
* Setting up the firewalls to enable the ports
* Allocating the storage.
* Performance issues and troubleshooting the connectivity and slowness problems.
* Configure dns server for scan ip and virtual or private and public ip
* Configure the blade servers for pod-lion standards for all the servers.

  Expertise with **SRM 5.0**

* Installing and configuring vSphere using **PowerCLI.**

**VMware NSX-V.**

* Excellent understanding of VMware NSX technologies and automation concepts
* Proficiency in scripting and/or automating repeatable processes
* Implementing networking and VXLAN technologies
* Monitoring the automation of network deployment and configuration, along with the integration of infrastructure (computer/storage) automation
* Configuring and monitoring network security layers
* Monitoring integration with other software-defined networking technologies and manageability and scalability
* Supporting the operations and maintenance of the VMware virtual infrastructure
* Improving customized outlines using NSX, vRA, and vRO to automate and simplify tasks
* Experience in current to future state Data Center design and planning
* Provide expert solutions in VMware NSX technologies with focus on Local Load Balancer, Firewall as a Service, Multicast Support, Advanced network monitoring, and Micro segmentation
* Integrate VMware NSX products with other software and services to provide end-to-end customer services

**VM Cloud on AWS:**

* Translate those customer needs into a robust cloud solution based on the VMware Cloud on AWS service
* Own and lead the technical validation, design and prove phases of the sales cycle, including running architectural and technical workshops, POCs, Pilots, to ensure the solution meets the customer’s expectations and needs
* Drive accelerated consumption of VMware Cloud on AWS through supporting on-boarding of, and architecture of applications.
* Translate application development requirements into capabilities that can be delivered with the VMware Cloud on AWS solution and show how this can provide agility, reduce time to market and deliver value to the customer
* Present VMware’s holistic cloud strategy and integrated vision across private, hybrid and public offerings
* Maintain current knowledge of the VMware SDDC portfolio and the rest of VMware’s Cloud Services
* Navigate the customer stakeholder community to gain consensus to a VMware application-centric SDDC strategy.
* Communicate effectively at Infrastructure, Operations, App/Dev, Enterprise Architect and CxO level to articulate and differentiate the VMware Hybrid Cloud with VMware Cloud on AWS
* Navigate and collaborate with Partners, especially AWS, as well as various internal VMware stakeholders including Customer Success, PSO, TAMs, Product Management & Marketing, and others.
* A senior technical leader with independence and gravitas that the customer will respect and look to for guidance on long-term technical and architectural strategy.
* Actively support and mentor through the SME program ensuring that knowledge is pushed to the wider VMware community

  Involved in building security model, VPC, Elastic IP for databases on Cloud platform.

  Experienced in building private, public and community clouds for Oracle applications

  Set up the test servers on Amazon for Oracle E-Business Suite R12 and Oracle 10g databases AMI

**ITIL PROCESS:**

* Completed Certification in ITIL process.
* very good in IBM- service now, remedy, HP service center tools for ticketing and change process
* We follow ITIL framework for problem management, change management and incidents and escalation procedure
* certified in six sigma green belt
* Manage multiple concurrent tasks and work stream
* Manage weekly, monthly incident and Problem review meetings and provide data metrics to Leadership
* worked on incident reduction providing the permanent resolution and fixes and RCA
* Analyze and design service management processes, research and present best practices and drive for continuous improvement

**GIT GITHUB:**

Source Control with Git

* Installation of Git on Red hat
* git file system
* Creating local Repo
* Basic configuration of Git
* Adding changes, committing changes
* Ignoring certain file
* Tags, Branching, Merging and Reverting
* Git logging and Auditing
* Cloning Repositories
* push pull and tracking remote repositories
* Git-Lab configuration, adding users, groups to Git-lab, Creating and managing projects in git-lab, push changes and Merge with git-lab

 **Ansible**

* Configured Ansible , Running Adhoc commands.
* Configured the Inventory file and grouped the nodes as per the requirement
* Installed packages on the nodes using yum module on the servers
* Pulled uptime in Jason format to display using Debug module using ansible playbook
* Used ansible playbook to run configure a cron job to run at required intervals and also used the playbook to remove the cronjob once the job is done. Ran AT jobs using AT module.
* Used Command modules to perform tasks at a required instant.
* Used Register functionality to caputure the output of a task and redirect to any file.
* Used Service modules to make sure the specific services are up and running and also enabled so that it starts across reboots.
* Used setup module to gather system facts and using filter functionality to get the specific facts of the system
* Used Fetch module to grab the remote config file to make needed changes and push it back to the servers.
* Used User module and Group modules for user management.
* Used ansible DNF module for package management.
* Used script module to run shell scripts on remote servers.
* Used Ping module to check the status of the servers
* Copied Archived files to remote locations and unarchived using Unarchive module in playbook.

Professional Experience

**Mar 2018 – Till Date**

**Client:** S&P Global

Employer: Wipro

Associate Consultant – Migration.

* Design of client’s Cloud environments with a focus on AWS and demonstrated Technical Cloud Architectural knowledge, playing a vital role in the design of production, staging, QA and development Cloud Infrastructures running in 24x7 environments.
* Delivery of customer Cloud Strategies, aligned with customer’s business objectives and with a focus on Cloud Migrations.
* Involved in 24 X7 support and shift scheduling and problem tracking and allocation and Change request planning and coordination and scheduling.
* Provide leadership in infrastructure migration methodologies and techniques including mass application movements into the cloud including implementation of AWS within in large regulated enterprise environments.
* Nurture Cloud computing expertise internally and externally to drive Cloud Adoption
* Designed and deploying a multitude applications utilizing almost all of the AWS stack focusing on high-availability, fault tolerance and auto-scaling
* Identify risks and issues, and help monitor them
* Experience working with AWS Cloud Formation scripts for automation
* Experience working with automation tool like Puppet/Ansible.
* Setup/Manage AMIs, VPC, IAM, Snapshots & Volumes
* Upgrade/downgrade AWS resources (CPU, Memory, EBS)
* Created S3 backups using versioning and moved objects to Amazon Glacier for archiving
* Used puppet for configuration management
* Created load balancers(ELB) and utilized cloud Watch to set alarms or automated actions
* used Route53 with failover and latency options for high availability and fault tolerance
* Monitoring using Cloud Watch and alerting using SNS.
* Handling VMware infrastructure.
* Upgraded vCenter infrastructure from 5.5 to 6
* Delegated access for different support teams to vCenter based on roles and responsibilities
* Work with security team to analyze vulnerabilities in servers and remediate
* Troubleshoot high priority issues and handle technical escalations.
* Perform root cause analysis.
* Identify process gaps and review cases and documentation.
* Work with vendor for hardware support or critical issue
* Health check of both internal and customer environments
* Implementation and administration of XenApp 6.5, XenApp 7.5 and XenDesktop 7.6
* Define, establish and manage **security** risk metrics and track effectiveness.
* Have worked in internal projects for implementing Citrix servers, publishing applications, and desktops as per client requirement.
* Migrating VM servers to AWS cloud to move with the cutting edge technology.
* Develop and implement EDB VSOD (Virtual Server on Demand) which is a concept for renting virtual machines to EDB new projects as per monthly basis. Included design, operation guides
* Virtualization project when moving one customer from one site to another. Including design and implementation with the cloud requirement.
* Virtualizing one existing EDB customer. Including design, implementation and internal education
* Establish disaster recovery testing methodology.
* Have also participated in building new servers, hosting application, publishing the application and then supporting the production environment.

Migration Responsibilities

* Conduct, Capture migration requirements of the customer.
* Assist with creating cloud migration strategies; defining delivery architecture, creating the migration plans, designing the orchestration plans, and more. Assist in creating and executing of migration run books.
* Determine source cloud (Physical, Virtual and Cloud) and target Workloads.
* Act as liaison to support teams and client during migration.
* Use troubleshooting skills and work closely with operations, support, engineering and/or other functions to ensure successful migrations.

**Jan 2017 – Feb 2018**

**Client:** Confidential

Employer: Wipro

SR. Migration Engineer

* Analyzed **security** incidents and presented a quarterly report to the Management ADH.
* Attending bridge calls and having regular client interaction on different process related issues.
* Troubleshoot Citrix and their application related latency issues
* Performance monitoring and tuning of Citrix servers, monitoring application servers through Citrix resource manager.
* Solving launching application issues and also login issues to the XenApp server for the users.
* Monitor the **security** of critical systems (e.g., e-mail servers, database servers, web servers, etc.) and changes to highly sensitive computer **security** controls to ensure appropriate system administrative actions, investigate and report on noted irregularities.
* Configuring Network and Storage in a virtual environment.
* The resolution and recovery of assigned incidents.
* Ensure timely acknowledgment and assignment of tickets during duty hours.
* Ensuring timely deliveries of work requests.
* Attending daily operations call and CAB calls as per the schedule.
* Involving in Mock DR (Data recovery) activity in every six months.
* Patching of ESXi hosts from the HPSA
* Implementation & troubleshooting Xen Desktop 7.6
* Taken part as a key role player in BCP/DRP simulation drill.
* Managing the Delivery groups & Machine Catalogs
* Configuring & Managing the XenDesktop policies.
* Conduct routine social engineering tests and clean-desk audits.
* Performing vSphere Vmotion and vSphere Storage Vmotion migrations.
* Performed successfully physical to virtual and virtual to virtual conversions of physical/virtual machines using VMware Converter.
* Exposure on Vmotion migration, High Availability feature, DRS feature and Setting VM priorities on CPU and Memory resources.
* Solid experience on Vmotion, Storage Vmotion, VMware Fault Tolerance, Update Manager and SRM a
* Administrate Servers on Windows 2012 R2 and 2016, Mac OS X,.
* Creating a Virtual machine from azure gallery also using VHD imported from Hyper-V.
* Creating cloud service, Virtual Machine Creation in Azure Portal.
* Implemented high availability with Azure Resource Manager deployment model.
* Designed and configured Azure Virtual Networks (VNets), subnets, Azure network settings, security policies and routing.
* Experienced in building private, public and community clouds for Oracle applications
* Strong experience with the **VMware HA** High Availability, **Fault Tolerance, Distributed Resource Scheduler** DRS and **VMware Distributed Power Management vCenter Operations Manager vCOps.**
* Azure backup and Site recovery.
* Experience with Microsoft Hyper-V POC environment.
* Migration of production Server 2008 R2 Hyper-V cluster to Server 2012 Hyper-V cluster

**Dec 2015 – Jan 2017**

**Client:** Confidential

Employer: Wipro

Migration Engineer

* Involved in datacenter migration projects and P2V conversions
* Performed Preparatory work for physical and virtual migrations and worked with the storage team regarding the storage and LUN capacity
* Performed P2V migrations of Production, QA and Development Servers
* Involved in the cut-over and decommissioning of the physical server after the P2V server
* Management of Snapshots, clones, templates
* Worked closely with the command center during the decommissioning process
* Migration of virtual machine from one enclosure to another within the same environment in different enclosure
* Rebuilt Hyper-V environment and transitioned into a cluster, providing High Availability and Failover
* Planning and testing the application Virtualization for various new application releases using Citrix Streaming Profiler and publishing it to the Citrix farms.
* Provisioning new physical virtual servers and installing Citrix on them for expansion of Citrix farms.
* Install troubleshoot patches and updates on ESX hosts and virtual machine using VMware Update manager
* Administered SRM Site Recovery Manager support for Failover from one site to the other
* Perform P2P conversions using Platespin from old HP Dell Hardware to New G5 HP Blades
* Rebuilt Hyper-V environment and transitioned into a cluster, providing High Availability and Failover
* Dealt with the security issues using the SSL certifications
* Responsible for production support of Active directory AD, GPO, GPP, Domain users, Users and groups and given appropriate permissions, shares and privilege to access LAN and Domain environment.
* Windows 7 task sequencing, application and OS deployment using **SCCM/MDT.**
* Deployed Windows 7 images by making use of **SCCM**/**MDT**
* Created User Accounts, Configuring User Profiles, creating local and Global Groups and implementing Group Policies using PowerShell.
* Responsible for Domain controllers throughout organization
* Worked with off-shore team and provided required support
* Monitored and maintained backups in Symantec
* Prepared Network Documentation and Created Disaster Recovery Plan
* Setting up user accounts, Permissions and Passwords

### Skill Set

**Amazon Web Services**  **:** EC2, ELB, VPC, S3, IAM, RDS, Route 53, Cloud Watch, SNS,

**Hypervisors /OS** **:** vSphere 5.x, 4.x, Redhat Linux 5, 6 and 7.5, VMware ESXi server

**Server Virtualization :** VMware vSphere 5.0, 4.0

**Desktop Virtualization** **:** VMware View 5.0

**Scripting :** Shell Scripting.

**Automation :** Ansible, Puppet.

**DevOps Tools :** Git GitHub Ansible.

**Monitoring Tools :** Nagios, Nexpose, Solar winds.

**Backup Tools :** AVAMAR, NetApp, Veeam, Symantec.

**Citrix Tools :** Presentation server, XenApp 6.0,6.5,7.5,7.6, XenDesktop ,Edge site and Net scalar.

**Databases:** Oracle 12c /11g / 10g, SQL Server 2008/2008 R2/2012/2014

**Operating Systems:** SUN Solaris 10/9/8, HP-UX 11.11, Linux, and Windows Server 2003/2008 /2008 R2/2012 R2, 2016

# PROFESSIONAL CERTIFICATION

* Nutanix Platform Professional 4.5 - 2016
* Certified Information Security Expert.
* VMware Certified Professional on vSphere 5(VCP5& VCP4)
* AWS Certified Associate Architect

# EDUCATION

* B. Tech - BITS, PILANI - 2012