**Ramakrishna A**

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**Professional Summary**

Resourceful IAM Consultant with **12+ years** of professional exposure in Identity and Access management(IAM) and diverse range of skills in information security domain and having a very good record of implementation , administration, maintenance and support on IAM products. Excel in problem-solving, communication, and strategic planning to enhance organizational security posture. Committed to leveraging technical knowledge and soft skills for optimal project outcomes.

**Technical Skills**

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| * Role-based Access control * Identity and Access management expertise * Federated identity management * AD health monitoring. Trust relationships and schema management * Windows server administration * Privileged access management * IAM system migration * SAML implementation | * Identity federation * Multi-factor authentication * OAuth and OpenID connect * Identity governance * Identity lifecycle management * Azure devops * Azure Active Directory(Entra ID) * PowerShell scripting * Windows server administration * VMware administration. |

**Educational Qualification**

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|  | Master of Science: Computers **03/2012**  Bacholores from Andhra University |

**Certifications**

Microsoft Certified Technology Specialist in Windows **Server 2008 Active Directory, Configuration**

Microsoft Certified Technology Specialist in Windows **Server Administering 2012**

**Professional Experience**

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|  | Entra ID Engineer **(J&J Itechstack inc) 01/2020 – Till Now**   * Design and define the migration approach for workforce tenant to customer identity access management (CIAM) technologies. * Collaborate with partners for Single-Sign-On and Federation standards (**SAML**, OAuth, OIDC), Azure **B2B**, B2C. * Working on User Journey and Sub Journeys created policies based on IDP's and social identity providers on Collect attribute Return. * Experience to use Graph API to create/update users in B2C instance. * Experience in creating registry apps and allowing the apps on **graph APIs.** * Having Experience Resolving Azure AD issues relating to Office 365, Active Directory to Azure AD and CAIDM to Active Directory. * Manage Identity Access management of Azure Subscriptions, Azure AD, Azure AD Application Proxy, Azure AD Connect, **Azure AD** Pass through Authentication. * Create User Journey and Sub Journeys created policies based on IDP's and social identity providers on Collect attribute Return. * Manage Graph API to create/update users in B2C instance I do have experience in creating registry apps and allowing the apps on graph apis. * Working on User Registration, Sign-In, Social Sign-In, Password Reset and Profile Management. * Having Experience of Creating conditional Access policies Multifactor authentication (MFA), Resetting **MFA** and Resolving the MFA issues. * Working on Azure components Azure network experience, VPN and Express route, Azure DNS, Traffic Manager, and Load Balancers. * Management and support of an Active Directory site, replication schedules, site links and boundaries, used **ADUC** to create and manage computer, user and group accounts in an Active Directory environment * Managing Identity Access management of Azure Subscriptions, Entra ID, Entra ID Application Proxy, **Entra ID Connect**, Entra ID Pass Through Authentication Creating and managing application integrations for identify and access management. * Having Experience of Creating conditional Access policies Multifactor authentication (**MFA**), Resetting MFA and Resolving the MFA issues. * Analyzing and migrating resources like Azure App services, VMS, VMSS, Function app, Sql servers, Data Factory, Key Vault and Azure Data Lake. * Azure VM, Storage, Scale Sets, Availability Sets, Load Balancers, Landing Zones, Blueprints, WAF/NVA, Monitor, Advisor, Sentinel, Cloud workload protection, Key Vault, Express Route/**VPN** with zero downtime. * Work closely with App Developers to build out **CI/CD** pipelines and workflows. * Deploy Azure app services for Single Page (**SPA**) apps by using Azure CLI, PowerShell, and other tools. * Cloud Automation and Infrastructure as Code (e.g., Cloud Shell, PowerShell, ARM, Webhook and runbook Creatively solve new complex problems while keeping the solution simple. * Implement systems that are highly available, scalable on the **AZURE** platform Involved. * As an Active Directory Administrator in the configuration and management of global Active Directory forests and domains on Windows 2003 and Windows 2012 domain controller servers. * Worked extensively on the configuration and integration of Microsoft Active Directory and Microsoft Azure Cloud. * Involved in the Active Directory Hardening project involving the migration from traditional forest and domains to a smart-card based, compartmentalized administrator access system based on the Red-Forest methodology. * Involved in the development of PowerShell Scripts to audit, analyze and report on OUs, users and computers in Active Directory daily. * Involved in the transition from Windows 2003 based Active Directory infrastructure to Windows **2012** based Active Directory infrastructure. * Involved in migration of Subscriptions from one tenant to another tenant. * Work closely with App Developers to build out **CI/CD pipelines** and workflows * Deploy Azure app services for Single Page (**SPA**) apps by using Azure CLI, PowerShell, and other tools. * Script with PowerShell for deployment, monitoring, reporting and alerts ensuring a robust, redundant, scalable 100% uptime infrastructure. * Creatively solve new complex problems while keeping the solution simple. |

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|  | **IAM** Engineer **09/2018 - 01/2020**  MERCK & Toyota   * Install & Configuration of Dell Dirac and HP iLO remote interfaces for remote server access, Role: Active Directory and Entra ID admin, Managing Microsoft Identity Management products (Active Directory, Active Directory Federation Services, and Azure, AD Connect, Office 365) serving as an enterprise-wide directory containing 250k Objects * Configure application Active Directory Federation Services (ADFS), SAML, web Single Sign-on (SSO), OAuth and related authentication technologies * Configuring the Azure AP Proxy based applications and Monitoring the Entra ID Approx Services. * Managing and Migrating the Application from Onprem AD to Entra ID.Migrating the Objects from on prem Active Directory to Entra ID Using the AAD Connect Server. * Creating and updating the sync rules in the AD Connect Sync Rule Editor for User, Contact, Groups, Devices and Distribution Groups. * Implemented the PowerShell script for assigning the Entra ID Licenses based on the User Type * Monitoring the Licenses Status and provide the day-to-day status of Entra ID licensesResolving the Licenses issue Due to sync issue, Usage location and Attribute issues. * Configuring and Updating the Condition Access PoliciesCreating conditional Access policies Multifactor authentication (MFA), Resetting MFA and Resolving the MFA issues. * Having experience with Various PowerShell module (Entra ID, Active Directory and exchange online, MS OL, Azure RMS). * Created the scripts for AD user and contact object updates using PowerShell to facilitate synchronization to Entra ID. * Implemented the PowerShell script for assigning the Entra ID Licenses. * Created the Automated Scripts for MFA Status of the users, MFA Exclusion and Resolving the Sync issues.. |

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|  | Entra ID Engineer **07/2018 - 09/2018**  Hennepin County - Minnesota   * Support the implementation of Migration Planning Azure MFA to secure the following apps   Outlook Web Access (OWA) and Outlook Anywhere (OA) (via Azure proxy server)  SharePoint (via Azure proxy server)  Citrix NetScaler  Junos Pulse Secure (SSL-VPN)   * Migration planning documentation to include testing and production execution with a phased approach For Migrating OnPrime AD To **Entra ID**. * Migration planning documentation to include testing and production execution with a phased approach For Migrating. * Managing Azure AD Connect, azure AD Connect health, Microsoft Entra ID in Test and Prod Environment. * Updating the Sync rules, object configuration in **AD** connectMonitoring the Licenses for Entra ID issues, resolving the Licenses Issue for Entra ID Users.Assigning the licenses Group based. * Implemented the PowerShell script for adding users in to Groups, resetting MFA, provide the day-to-day status of Entra ID licenses, resolving the other issues for the Azure Users. * Migrated various applications like salesforce apps, shibboleth and naps server for Citrix NetScaler. * Experience in configuring **MFA** polices for the application based on the critical like mfa restricted and device restrictions. * Involved in the share point migration from traditional on prime to Entra ID using the Azure App Proxy Server. |

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|  | **IAM and Entra ID** Engineer **05/2017 - 07/2018**  The Coca cola   * Managing Microsoft Identity Management products (Active Directory, Active Directory Federation Services, and Azure, **AD** Connect, Office 365) serving as an enterprise-wide directory containing 400k Objects * Familiarity in the following areas: single sign-on, enterprise directory architecture and design, directory schema, namespace, replication topology, resource provisioning, role-based access Control, user lifecycle. * Successfully established and tested Entra ID Tenant for productionProvided technical direction to allow Active Directory on-Prem group to populate user. * Experience in **Syncing** the Objects Users, Groups, Workstation from active directory to Entra ID * Active Directory Federation Services (**ADFS**), SAML, web Single Sign-on (SSO), OAuth and related authentication technologies * Assist in the scripting of AD user and contact object updates using PowerShell to facilitate synchronization to **Entra ID.** * Having experience with Various PowerShell module (Entra ID, Active Directory and exchange online). * Having Experience of troubleshooting of user account provisioning between legacy Client directories and CSC active directory and LDAP directories. * Experience Configuring and managing Azure AD Connect, Azure AD Connect health, Microsoft Entra ID. * Planning, creating and managing AD group policy templates and policies administration, operating system security patches upgrade procedure for secure computing and network environment * Created the User Accounts and Profiles, assigned permissions using Active Directory * Administered the **Group** Policy to automatically upgrade and repair software installations * Performed daily monitoring tasks to assure the proper health of multiple Active Directory environments Supported multi-domain DNS environments and configured DHCP scope for those environments * Provided/presented **migration** statistics, issues/resolution, and deliverables to leadership, detailing user, group, and physical device success percentages, tracking milestones for what had been migrated or was still in need of migration. * Provide end to end support for the migration of all the Directory objects, from the source (Multiple Domains), to the target Single Domain. * Monitoring the Licenses for **Entra** ID issues, resolving the Licenses Issue for Entra ID Users * Assigning the licenses Group based. * Implemented the PowerShell script for assigning the Entra ID Licenses based on the User Type, Monitoring the Licenses Status and provide the day-to-day status of Entra ID licenses. * Familiarity in the following areas: single sign-on, enterprise directory architecture and design, directory schema, namespace, replication topology, resource provisioning, role-based access Control, user lifecycle. * Resolved Entra ID issues relating to Office 365(MMSSPP), Active Directory to Entra ID identity and user permissions. |

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|  | **Active Directory and Entra ID** Admin **06/2015 - 04/2017**  IBM, Deloitte - **INDIA**   * Windows Active Directory and Entra ID, Manage & support a large client base Windows 2000/2003/2008R2/2012 and 2016 in a multi domain/forest Active Directory of more than 3500 windows servers on 24x7x365 basis in an enterprise infrastructure * Primary responsibility for the Active Directory Administration to provide strategic and tactical direction for the Active Directory Services, Identity and Access Management, Roles Based Access Control and Segregation of Duties * Worked on Active Directory (AD) Domain Consolidation * Service delivery of the Entra ID and the Identity Management team within Microsoft cloud platform (O365 Identity, Azure etc.) * Creating Organizational Units (**OU's**) and setting up Group Policy Objects (GPO), and Group Policy Containers (GPC) * Familiar with Data Center/Server Farm environment like Server's deployment, Cabling & labeling maintaining AC cooling, Environmental Sensing Devices, power and UPS monitoring * Deploy and Configure DNS, **DHCP** Servers * Set of PowerShell scripts running as a scheduled task was designed to compare and remove user accounts from all the systems above * Created Forests and Domains and raised functional levels Created trust relationships * Managed, created, deleted Local groups, Global groups, and Universal groups * Verified and resolved Group Policy problems; Imported and exported GPO settings * Servers Health Check and performance monitoring for all the Wintel servers (1500 windows servers) * Creating and maintaining User accounts, Profiles, Security, rights, disk space and process monitoring using Active Directory * Strong hands-on administration experience on Windows 2012 server - Forest, Domain trust, AD, DFS, DNS, WINS, DHCP, Group Policy, Distribution lists, Windows folder security, and IP filter * Expert level knowledge at Active Directory LDAP service, shell scripting, Certificate services (PKI), AD Site Topology - all under a multi-site multi-domain Windows 2012 environment * Strong troubleshooting skills in a Windows 2012 environment - Event log analysis, installation and administration of Windows Server 2012, including user setup and defining roles, performance tuning, backup and restore, security monitoring, registry and AD scripting * Performed daily monitoring tasks to assure the proper health of multiple Active Directory environments Supported multi-domain DNS environments and configured DHCP scope for those environments * Reviewed the Windows 2008 R2 Active Directory Design encompassing a single forest, multi domain environment * Analyzed the design including branch based **RODC's** placement, aligned necessary DNS Domain and OU based group policies * Expertise in Active Directory Design and support (**GPOs**, AD Schema, **OUs**, LDAP, Sites, Replication, etc.) * Creating, Testing and implementing GPOs in **QA**, Dev and Production Environment * Reviewed the necessary implementation\migration runbook and recommended optimizing the FSMO roles, configuring time services, configuring GC's, setting up Quest Recovery Manager, optimizing event logs * Experience in Migrating Group and Exception Policies from one domain to another domain in AD forest * Planning, designing and implementing the various solutions on windows server platform technologies and its components like Active directory, DFS shares, RDS Service and high availability cluster environment * Managing, installing and troubleshooting Microsoft windows active directory, DNS, DHCP services on windows server 2003/**2008** and 2012 platforms * Involved in designing and deploying multitude applications AWS stack (Including EC2, Route53, S3, RDS, SNS, SQS, **IAM**) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation * Created AWS Route53 to route traffic between different regions * Configure IAM and Security Group in Public and Private Subnets in **VPC** * Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup * Planning, creating and managing AD group policy templates and policies administration, operating system security patches upgrade procedure for secure computing and network environment * Resolving hardware/Operating Systems and application software issues within SLA * Installing, configuring and managing ESX servers, Virtual infrastructure and virtual center * Creating Clusters for High Availability (**HA**) and Distributed Resource Schedule * Experience with deployments, maintenance and troubleshooting applications on Microsoft Azure Cloud infrastructure * Working knowledge on Azure cloud IaaS and PaaS Services * Technical authoring, including infrastructure design and architecture (Server, **DMZ**, **Virtualization**, Storage, Network, Database, Security and Governance * Azure Storage development and design utilizing Blobs, Pages, Queues, Tables and VM's * Established connection from Azure to On-premise datacenter using Azure Express Route for Single and Multi-subscription connectivity * Utilized NSGs for layer 4 Access Control List (ACLs) for incoming and outgoing packets * Leveraged VNET system routes and underlying route table that holds Local VNet Rules, On-premise Rules, Internet Rules and IP Forwarding as design basis * Experienced on creating Azure VM, Cloud Services and Storages by using Azure Power-Shell Script * Convert multiple onsite Data Centers to Virtual Infrastructure using Microsoft Hyper-V reducing physical server footprint, while improving management, efficiency and performance * Azure Cloud Infrastructure design and implementation utilizing ARM templates Created users and groups using IAM and assigned individual policies to each group * Creating Azure Backup vault and protecting required **VMs** to take the VM level backups * Configure an ILB listener for Always on Availability Groups in Azure Creating and managing Azure Web-Apps and providing the access permission to **Entra ID** users * Proactive planning and managing server hardware, OS upgrades, software drivers and hardware firmware upgrades * Defining, implementing **Backup**-recovery methods and disaster recovery procedures, tests and plans * Preparing and maintaining process, procedures and work instructions documents (**PPWI**) on various technologies and server platforms * Develop design and implement solutions for small to large environment as per client requirement * Install, configure, upgrade and manage VMware vSphere VCenter, Esxi hypervisor version 5.x/6.x technologies   **Agate Solutions Dec’12- June' 15**  **Role: Wintel and Windows Admin.**  Roles &Responsibilities:   * Planning, designing and implementing the various solutions on windows server platform technologies and its components like Active directory, DFS shares, RDS Service and high availability cluster environment. * Managing, installing and troubleshooting Microsoft windows active directory, DNS, DHCP services on windows server 2003/2008 and 2012 platforms. * Install and configure Active Directory Domain Services for objects management (users, groups, network printers, network guests' nodes) and Active Directory Lightweight Active Directory  Services for deployment of applications.. * Configure Tunneling for transmitting over IPv4 network. Creating Organizational Units (OU's) and setting up Group Policy Objects (GPO), and Group Policy Containers (GPC). * Having knowledge with DCPROMO process and configuring AD Site, OU structure, Site Link, DNS, DHCP, WINS, Global Catalog server, Directory Services, Subnet mask, DNS forwarders, Reverse Lookup. * Involved in fixing the interoperability among different applications and setting the rules on profiles in Application Isolation Environment (AIE). Involved in troubleshooting functionality errors of the applications in isolation environment. * Strong hands-on administration experience on Windows 2012 server - Forest, Domain trust, AD, DFS, DNS, WINS, DHCP, Group Policy, Distribution lists, Windows folder security, and IP filter. * Expert level knowledge at Active Directory LDAP service, shell scripting, Certificate services (PKI), AD Site Topology - all under a multi-site multi-domain Windows 2012 environment. * Expertise in Active Directory design and support (Group Policy Object (GPO), Active Directory (AD) Schema, Organization Unit (OU), LDAP, Sites, Replication, etc.) * Creating and Linking Group policies for Windows Server in AD domain. Experience in Performing the Domain functional level from windows server 2003 to 2008. * Experience working closely with Security Service teams for least privilege configurations. * Experience in creating and maintain group policy objects for Windows servers host access. * Experience in analysing system issues to determine root cause, and work with concerned teams in testing and implementing fix to resolve issues. * Coordinate with service providers, vendors and various teams throughout the organization to ensure timely resolution on Issues. * Monitor performance of Windows Server environment and take appropriate proactive measures to prevent impacts. * Design and develop specialized automation tools, scripts, and processes for the administration and performance monitoring of Windows systems * Strong troubleshooting skills in a Windows 2012 environment - Event log analysis, installation and administration of Windows Server 2012, including user setup and defining roles, performance tuning, backup and restore, security monitoring, registry and AD scripting. * Installation, configuration and administration of Windows XP/07/08/10 Professional Client OS. * Configuring and managing DHCP, DNS and Active Directory. Created Active Directory Sites, OU containers and groups to assign permissions. * Provided guidance on Microsoft Clustering, SQL scripting and Active Directory best practice design for customers with directory tree structures that are out-of-compliance. Experience on installing and implementing a VMware ESX Server, Vcenter 5.x Configuration VMware Virtual center, setting up V-Motion, HA, DRS. Expertise on Cloning, Snap Shots. * Operating system updates and security patches Through SCCM, IBM TEM. * Installing, Configuring, Administration of SCCM 2007.S/W Distribution Patch Management. * Installing, Configuring, Administration SqlServer2012 Configuring the Databases and providing the Permissions for Database Users * Managing & Administering Users through Group Policy (Password Settings/ Account Restrictions/ Software Deployment). * Planning, creating and managing AD group policy templates and policies administration, operating system security patches upgrade procedure for secure computing and network environment. * Created the User Accounts and Profiles, assigned permissions using Active Directory. Administered the Group Policy to automatically upgrade and repair software installations. * Performed daily monitoring tasks to assure the proper health of multiple Active Directory environments Supported multi-domain DNS environments and configured DHCP scope for those environments. * Migrated Newly built Windows Domain controllers and 2 major application servers for Insurance policy writing services for a New Active Directory Forest, engineered from the ground up (OUs, GPOS and trusts included) . * Performed Windows Maintenance, dual booting, upgrading and updating windows servers/systems.  Performed installation and configuration of printers, Antivirus update and virus protection.. * Resolving hardware/Operating Systems and application software issues within SLA. * Defining, implementing Backup-recovery methods and disaster recovery procedures, tests and plans. * Preparing and maintaining process, procedures and work instructions documents (PPWI) on various technologies and server platforms. * Develop design and implement solutions for small to large environments as per client requirement. * Install, configure, upgrade and manage VMware Vsphere VCenter, Esxi hypervisor version 5.x/6.x technologies * Planning implementing VCenter upgrades and database components. * Creating baseline and remediating VsphereVCenter and ESXi patching/upgrades through VMware Update Manager * Design, Implementation and Troubleshooting VMware ESX 5.1 Hosts, VMware vSphere virtual center. P2V and V2V conversions by using VMware Converter, Plate Spin. * Administration of VMware ESX and ESXi Servers on HP Blade Servers and Dell Servers. * Install multiple Operating Systems in different VM's and configure VM tools on them to accelerate hardware functionality and also maintain and configure unattended VM's builds. * Building new virtual machines to meet the specifications provided by the client.  Experience in deploying new Virtual Machines from OVF/OVA templates. * Creating Roles and permissions in VMware ESX Server 4.1/5.1 Migrated VMware ESX 4.1 to ESXi 5.1 using VMware update Manager. * Responsible for installing and configuring SQL Server 2008R2 on both Production, QA and development Server. Performed  database upgrades from version 2008 to 2012 * Developed and implemented backup (Manual and Auto) and recovery process/strategies to ensure proper system continuity in in the case of a disaster. * Monitored and maintained Database performance and identified/recommended areas that can be improved. * As an Administrator involving and lead Incident problem management Change and Configuration management. * Familiar with Data Center/Server Farm environment like Servers deployment, Cabling & labeling maintaining AC cooling, Environmental Sensing Devices, power and UPS monitoring * Experience in managing IIS 7.5/8.5 Web servers and installing SSL certificates, creating websites and virtualdirectories | |  |  | | --- | --- | |  | **Wintel and Active Directory Admin 11/2012 - 05/2015**  **Agate Solutions - INDIA**   * Planning, designing and implementing the various solutions on windows server platform technologies and its components like Active directory, DFS shares, **RDS** Service and high availability cluster environment. * Managing, installing and troubleshooting Microsoft windows active directory, **DNS**, DHCP services on windows server 2003/2008 and 2012 platforms. * Install and configure Active Directory Domain Services for objects management (users, groups, network printers, network guests' nodes) and Active Directory Lightweight Active Directory Services for deployment of applications. * Creating Organizational Units (OU's) and setting up Group Policy Objects (GPO), and Group Policy Containers (GPC). * Having knowledge with DCPROMO process and configuring AD Site, OU structure, Site Link, DNS, DHCP, WINS, Global Catalog server, Directory Services, Subnet mask, DNS forwarders, Reverse Lookup. * Expert level knowledge at Active Directory **LDAP** service, shell scripting, Certificate services (PKI), AD Site Topology - all under a multi-site multi-domain Windows 2012 environment * Expertise in Active Directory design and support (Group Policy Object (GPO), Active Directory (AD) Schema, Organization Unit (OU), **LDAP**, Sites, Replication, etc.). * Coordinate with service providers, vendors and various teams throughout the organization to ensure timely resolution on Issues. * Monitor performance of **Windows Server** environment and take appropriate proactive measures to prevent impacts. * Design and develop specialized automation tools, scripts, and processes for the administration and performance monitoring of Windows systems. * Strong troubleshooting skills in a Windows 2012 environment - Event log analysis, installation and administration of Windows Server 2012, including user setup and defining roles, performance tuning, backup and restore, security monitoring, registry and AD scripting. * Installation, configuration and administration of Windows XP/07/08/10 Professional Client OS * Configuring and managing DHCP, DNS and Active Directory. * Created Active Directory Sites, OU containers and groups to assign permissions. * Provided guidance on Microsoft Clustering, SQL scripting and Active Directory best practice design for customers with directory tree structures that are out-of-compliance * Experience on installing and implementing a VMware ESX Server, V-center 5.x Configuration VMware Virtual center, setting up V-Motion, **HA**, **DRS**. * Managing & Administering Users through Group Policy (Password Settings/ Account Restrictions/ Software Deployment). * Preparing and maintaining process, procedures and work instructions documents (PPWI) on various technologies and server platforms. * Develop design and implement solutions for small to large environment as per client requirement. * Install, configure, upgrade and manage VMware vSphere VCenter, Esxi hypervisor version 5.x/6.x technologies. * Administration of VMware ESX and ESXi Servers on HP Blade Servers C7000 and C3000 * Planning implementing VCenter upgrades and database components * Creating baseline and remediating vSphere VCenter and ESXi patching/upgrades through VMware Update Manager.. * P2V and V2V conversions by using **VMware** Converter, Plate Spin. * Administration of VMware ESX and ESXi Servers on HP Blade Servers and Dell Servers. * Hands on experience in updating / upgrading **ESX** servers, Virtual Center servers and windows virtual machines using VMware Update manager and manual upgrades. * Experience with vSphere Host Profiles, Standard and Distributed Switches setup. * Handled the VMware solutions to support multiple storage connectivity options such as FC-SAN, iSCSI, NFS (NAS). * Install multiple Operating Systems in different **VM's** and configure VM tools on them to accelerate hardware functionality and also maintain and configure unattended VM's builds. * Building new virtual machines to meet the specifications provided by the client. * Experience in deploying new Virtual Machines from **OVF**/OVA templates. * Creating Roles and permissions in VMware **ESX** Server 4.1/5.1 Migrated VMware ESX 4.1 to ESXi 5.1 using VMware update Manager. | |