**Lakshmanachari Panuganti**

**Infrastructure Automation Engineer**

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Senior Analyst



**Career Objective:**

To be a part of an organization, where I can utilize my skills & knowledge and learn new technical things for organization growth and for my career growth.

**Professional Summary**

* An enthusiastic PowerShell developer experienced in Infrastructure automation.
* Having strong experience in PowerShell, I contributed end to end automation for various products as an individual and as team member.
* Good experience in automating Active Directory, Azure, SCDPM, Veeam, VMware and integrating with ServiceNow.
* Working in an environment that has embraced with DevOps approach.
  + Azure boards, Sprints, User stories.
  + Git, Repositories, Branches, merge, push, pull, commit etc.
* Developed PowerShell modules for the various products based on the API documentation provided by vendor.
* Developed and maintained fully automated account provision and de-provisioning solution using Windows PowerShell, simplifying the employee off-boarding process, and minimizing the risk associated with orphaned user accounts.
* Created PowerShell scripts to constantly perform the health checks of System Center Data Protection Manager and notifying the team in the event of a problem.
* Designed and automated a workflow to provide the automatic resolution for various alerts in System Center Data Protection Manager.
* Significantly reduced the number of calls during the weekends and non-business hours by providing self-service backup and restore for the SQL databases and virtual machines to the customers.
* Developed automation to provide an accurate service access report and audit report to each application team.
* Implemented scalable automation using Windows PowerShell for creating the OU structure for Applications and delegating the access to the App owners on their AD objects.
* Developed scripts with Windows PowerShell to automate the following things -
  + VM builds in VMware vSphere and Azure.
  + Account’s provision, Server provision, App OU provision, Support team provision.
  + Report backup data in SCDPM, Veeam, Azure backups.
  + Report replication health data in Double Take (Carbonite) and Azure Site Recovery.
  + Providing the auto resolutions for various alerts in SCDPM.
  + Migration to DPM 2012 to DPM 2016.
* Good experience in using Thycotic secret server and Thycotic secret server’s API.
* Coordinate with Application teams to gathers the requirements to develop the automation for them.

**Competency**

* Active Directory Domain Service, DHCP, WDS, WSUS.
* Azure Automation.
* ServiceNow API.
* PAM - Thycotic Secret Server.
* Database – hands on experience in Microsoft SQL server intermediate level.
* Automation tools - advanced in PowerShell and basic in shell scripting.
* Azure DevOps - Azure boards, sprints, repositories, branching, merging, pull requests etc.
* Ticketing tools - ServiceNow and WebTrac.
* Experience in using Thycotic secret server in automation.
* Creating / deleting secrets via PowerShell.
* Modifying the existed secrets via PowerShell.
* Retrieving the secret values via PowerShell for using in various automations.
* Good experience in using the ServiceNow API.
* Creating incidents and requests via PowerShell.
* Updating comments to the incidents and requests.
* Handling multiple SCTASKs for a request.
* Reading the ServiceNow catalog item variable for using in various automations.

**Education**

* MSc (Computer Science) from BBCIT affiliated to Osmania University, Hyderabad.
* BSc (Computer Science) from GDC affiliated to Osmania University, Siddipet.

**Achievement:**

Saved around 250 hours of manual effort per month for all the projects.

PowerShell trainer for LPD program.

Received few applause awards and many spot awards.

**Work Experience**

**Deloitte USI |** Senior Analyst | July 2017 – Present

**Cheric Information Network Technologies Pvt. Ltd |** IT Administrator | August 2012 - July 2017

**Projects handled**

System Center Data Protection Manager | PowerShell | Saves around 120 hours per month

* On-demand Self-service backup.
  + Customers can request this service to force a DPM backup job outside of the regularly schedules.
* Self-service restore in DPM via ServiceNow form.
* Auto-protect production/ stage HyperV VMs.
* Auto-protect production/ stage SQL servers.
* Auto-fix DPM alerts.
* DPM reporting.

Veeam | Automation with PowerShell

* Veeam PowerShell module.
* Veeam backup reporting.
* Veeam repository reporting.

Active Directory | Automation with PowerShell

* Application provision in the active directory via the ServiceNow form.
* Server provision in active directory.
* Support team provision.
* AD Reporting: a report that gets all the AD objects and its permissions from all the domains from all the OUs that we manage.

Azure | Automation with PowerShell

* A report that contains the protected VMs. Last backup along with application team CMDB data.
* A report that contains the protected ASR protection status along with application team CMDB data.
* Automating azure VMs built via ServiceNow form
* Compliance VMs (Active VMs vs Retired VMs in CMDB)

VROps automation | VMware | Automation with PowerShell

* Automated custom group creation in vROps as per vCenter Tags.
* Automated dashboard creation in vROps as per vCenter Tags.
* Automated groups creation obtaining from Active Directory.
* Share the dashboard with the associated team.

**Cheric Information Network Technologies Pvt. Ltd.**

IT Administrator | August 2012 to till July 2017

Roles and Skills:

* Working on AD DS, DHCP, WDS, WSUS and SEPM servers.
* Good knowledge on PowerShell in automating windows tasks.
* Troubleshooting LAN, IP related issues and user login issues.
* Software deployment in Windows client machines as per the project requirement.
* Installation of device drivers & hardware components.
* Group Policy Management and assets management and audit.
* Creating network folders and configure Access Control List.
* Responsible for updating MS patches and Antivirus updates across all servers and clients.
* Responsible for applying the patches and upgrades to ‘BlueCherry’ servers on destination environment through RDP, LogMeIn and different types of VPN.
* WDS for image deployment for new workstations.
* Knowledge on creating captured image through sysprep tool & pushing into new workstations.
* Creating virtual machines in Hyper V server and install applications as per project needs.
* Coordinate and manage relationship with HP vendors in server’s problem resolutions.
* Creating page files to increase the virtual memory size.
* Enough knowledge on installation and configuration of Windows server 2008R2 and 2012R2
* Good understanding on FSMO roles.
* Knowledge on authoritative & non-authoritative restoration.
* Basic understanding on how SEPM works.
* Knowledge on backup methods such as incremental, deferential, and full backup.
* Knowledge on configuring iLO to troubleshoot the HP servers remotely.
* Knowledge on different RAID levels (RAID0, RAID1, RAID5 and RAID10)
* Understanding on blue screen errors and crash dump scenarios.
* Basic knowledge on SQL server querying (Backup & restore, attaching databases, moving tables from one database to another etc.)
* Hands on set up SQL Maintenance Plan using Ola Hallengren SQL script.
* Auditing AD users and computers using PowerShell scripts & VBScripts and generating the reports.
* Creating scheduled tasks and troubleshooting Windows Task scheduler.
* Creating real-time services through command prompt and PowerShell.
* Understanding on Remote Desktop Host Server configuration and installing User CALs, Device CALs on RD License server.