**Azure Administration**

**Azure Admin (104)**

1. Virtual machine

* Create VM windows and linux
* Load banker
  + - * 1. ALB
        2. Application Gateway
* Disks
  + - * 1. Server side encryption
        2. Disk encryption sets
        3. Data disk snapshot
* Scale set
* Availability sets
* Availability zone
* Bastion

1. Virtual Network

* Address space
* Subnet
* NSG
* Routing table
* Security center
* Peering
* Site to site VPN
* Point to site VPN
  + - * 1. Through Bation
        2. Site to site VPN
        3. Point to site VPN
        4. Through express route
        5. Through Load Balencer
        6. Through public IP
        7. Firewall public ip
        8. Security center

1. Storage account

* Blob storage
* Containers
* Files
* Queue
* Tables

1. Active Diectory

* Contributer
* Owner
* Reader
* User access admin

1. Monitoring

* Alerts
* Insights
* Metrics
* Log Analytics

1. Backups & Recovery services

* Files backup
* Vm backup
* Sql server

1. Azure Migration

* Server side
* DB

1. Webapps

**Syllabus**

1. VM Creating both operating system windows/linux.
2. VNet (create vnet , knowledge of subnet, create vnet peering )
3. Manage Network security group (NSG)

Create , modify , delete NSG, how security rules are configured , troubleshooting network filters problems

1. Storage (create and manage storage accounts, blob storage-Hot, cool)

Troubleshooting storage issues related to latency

1. Creating Load Balancer External and Internal LB IP Configuration, Why do you need Load Balancer?
2. Disaster recovery with ASR (Azure site recovery), What is difrence between Azure backup and ASR , RTO and RPO how are you using ASR.
3. Monitoring: Vm insights, using log analytics for troubleshooting ,Alerts (example VMdown) , Application insights
4. Azure backup and restore – Backup a VM
5. Working on updates and patches (Assessment ,scheduling ,deploy, pre-script, post script)

**Tell me about your self**

Good Morning

First of all thank you for giving this opportunity to introduce my self

My name is Devanandha kamballa I am from Andra Pradesh, Having 4 years of experience IT industry, previously I worked in Deloitte as a cloud engineer.

Coming to my day to day activities

When I login my shift I am attending the shift handover call, previous engineers has given handover mails and tickets I will follow up and close the tickets based on the priority tickets we have separate assigning team is there, they will assign the tickets, we will check with my bin, based on priority we will pick up the tickets we will close the tickets before SLA. Mostly I am working in incident and change management process.

Incident management

The user effecting the issue, based on the issue user will raised a ticket once the ticket has assigned to me . Based on the priority pickup the tickets

I will validate the issue, will give proper resolution for user and will close the ticket before SLA

Change Management

Make any changes in azure portal we will raise change ticket and send request from CAB approval, once CAB(client authority board) is approval On change ticket based on scheduling time we will work and close the change.

Coming to my roles and responsibilities

1. Hands on experience in Creating virtual machines’s enabling ports
2. Creating and extending the os disk and resizing the VM
3. Enabling the backup and restore
4. Worked on load balancer and application gateway
5. Worked on patching activities
6. Good experience in Creating the users in AD and providing accessing for IAM
7. Worked on monitoring using log analytical workspace
8. Worked on the Virtual network gateway.

Incase any critical issues comes will coordinate with senior engineers.