**Workshop on MS SQL Server On Linux Day 1**

**Environment:**

Domain Name: abc.com

Domain server FQDN:Dc.abc.com  
Domain Ip: 10.0.0.50

**Today Agenda:**

* Download Cent OS 7 ISO File.
* Install and configure Cent OS 7 in VMware
* Join the cent os into active directory domain
* Mention the below points in our resume.

**Linux**:

* Extensive experience in managing Linux systems, including installation and configuration of **SQL Server on CentOS 7**.
* configured **Windows authentication for SQL Servers on Linux servers**.
* Proven expertise in configuring Always On high availability groups on Linux SQL servers.
* Proficient in **failover procedures for AGAO** (Always on Availability Groups) using **Pacemaker**.

**Step By step:**

**1.**First download the cent os 7 from any of below links:

[Download (centos.org)](https://www.centos.org/download/)   
or  
[Index of /Linux/centos/7/isos/x86\_64 (riken.jp)](https://ftp.riken.jp/Linux/centos/7/isos/x86_64/)

2.Once installation is done make sure that IP is consistent and boot on priority should yes, to keep the same ip after reboot

vi /etc/sysconfig/network-scripts/ifcfg-INTERFACE device

3. To maintain the hosts records for proper resolution.  
vi /etc/hosts

Format:IP address hostname hostname.domaian\_name

4.To add the dns server details

vi /etc/resolv.conf

5.Install realmd and dependent packages to join to windows domain

yum install sssd realmd oddjob oddjob-mkhomedir adcli samba-common samba-common-tools krb5-workstation openldap-clients policycoreutils-python

6. Join with Windows Domain

realm join --user=administrator dc.abc.com

7. Verify domain Join

realm list

id administrator@abc.com

8.Turning off Fully Qualified Name requirement of AD user

vi /etc/sssd/sssd.conf   
--use\_fully\_qualified\_names = False (Make entry to False)

8.Restart the service

systemctl restart sssd;systemctl daemon-reload

9. adding windows user to wheel group

usermod -a -G wheel administrator

10. Create a host record in DNS for nodes