Configure Oracle Automatic Storage Management (ASM)

Configure ASMLib. Configure the ASMLib as the root user on both nodes –
rac1 & rac2
su - root - on both the nodes
/etc/init.d/oracleasm configure

```
[root@rac1 bin]# /etc/init.d/oracleasm configure
Configuring the Oracle ASM library driver.

This will configure the on-boot properties of the Oracle ASM library
driver.  The following questions will determine whether the driver is
loaded on boot and what permissions it will have.  The current values
will be shown in brackets ('[]').  Hitting <ENTER> without typing an
answer will keep that current value.  Ctrl-C will abort.

Default user to own the driver interface []: oracle
Default group to own the driver interface []: dba
Start Oracle ASM library driver on boot (y/n) [n]: y
Fix permissions of Oracle ASM disks on boot (y/n) [y]:
Writing Oracle ASM library driver configuration:          [  OK  ]
Loading module "oracleasm":                               [  OK  ]
Mounting ASMlib driver filesystem:                        [  OK  ]
Scanning system for ASM disks:                            [  OK  ]
```

Create ASM disks. Create the ASM disks on any one node as the root user
- one node
su - root
/etc/init.d/oracleasm createdisk VOL1 /dev/sdc1
/etc/init.d/oracleasm createdisk VOL2 /dev/sdd1
/etc/init.d/oracleasm createdisk VOL3 /dev/sde1

```
[root@rac1 bin]# /etc/init.d/oracleasm createdisk VOL1 /dev/sdc1
Marking disk "/dev/sdc1" as an ASM disk:                  [  OK  ]
[root@rac1 bin]# /etc/init.d/oracleasm createdisk VOL2 /dev/sdd1
Marking disk "/dev/sdd1" as an ASM disk:                  [  OK  ]
[root@rac1 bin]# /etc/init.d/oracleasm createdisk VOL3 /dev/sde1
Marking disk "/dev/sde1" as an ASM disk:                  [  OK  ]
```

On rac1
/etc/init.d/oracleasm listdisks

```
[root@rac1 bin]# /etc/init.d/oracleasm listdisks
VOL1
VOL2
VOL3
```
On rac2

```
[root@rac2 ~]# /etc/init.d/oracleasm configure
Configuring the Oracle ASM library driver.

This will configure the on-boot properties of the Oracle ASM library
driver.  The following questions will determine whether the driver is
loaded on boot and what permissions it will have.  The current values
will be shown in brackets ('[]').  Hitting <ENTER> without typing an
answer will keep that current value.  Ctrl-C will abort.

Default user to own the driver interface []: oracle
Default group to own the driver interface []: dba
Start Oracle ASM library driver on boot (y/n) [n]: y
Fix permissions of Oracle ASM disks on boot (y/n) [y]:
Writing Oracle ASM library driver configuration:          [  OK  ]
Loading module "oracleasm":                               [  OK  ]
Mounting ASMlib driver filesystem:                        [  OK  ]
Scanning system for ASM disks:                            [  OK  ]
```

/etc/init.d/oracleasm scandisks

/etc/init.d/oracleasm listdisks

```
[root@rac2 ~]# /etc/init.d/oracleasm scandisks
Scanning system for ASM disks:                            [  OK  ]
[root@rac2 ~]#
[root@rac2 ~]# /etc/init.d/oracleasm listdisks
VOL1
VOL2
VOL3
```