

# ASM does not find LVM disks

after upgrading, ASM did not find the labeled disks in the system:

```
root@xyz ~# oracleasm scandisks
Reloading disk partitions: done
Cleaning any stale ASM disks...
Scanning system for ASM disks...
root@xyz ~# oracleasm listdisks
root@xyz ~#
```

However, they can be found when specifying the Device Mapper search path:

```
root@xyz ~# oracleasm scandisks /dev/mapper/*
Reloading disk partitions: done
Cleaning any stale ASM disks...
Scanning system for ASM disks...
Instantiating disk "A"
Instantiating disk "B"
Instantiating disk "C"
Instantiating disk "D"
```

This is due to the fact that DM does not create `/dev/dm-*` devices for LVM volumes on RHEL5, and ASM (since Version XXX?) only looks for `/dev/dm-`, **not for the user-friendly `/dev/mapper/`**.

As per Oracle Note 558596.1, this can be fixed by commenting out a line in `/etc/udev/rules.d/90-dm.rules` (`/etc/udev/rules.d/50-udev.rules` in older RHEL5):

```
#KERNEL. "dm-0-9*", ACTION="add", OPTIONS+="ignore_device"
```

After reboot, `/dev/dm-*` devices are created and ASM finds the disks when scanning.