

Disk partitioning & mounting

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- name: disk partitioning and mounting
  hosts: all
  tasks:
    - name: create new partition
      parted:
        device: /dev/nvme0n1
        number: 1
        state: present
        part_type: primary
        fs_type: xfs

    - name: formate partition using file system
      filesystem:
        fstype: xfs
        dev: /dev/nvme0n1p1

    - name: mounting
      mount:
        path: /mnt/data
        src: /dev/nvme0n1p1
        fstype: xfs
        state: mounted
```

```
[root@control adhamplaybooks]# vim disk-partition.yml
[root@control adhamplaybooks]# ansible-playbook disk-partition.yml --syntax-check

playbook: disk-partition.yml
[root@control adhamplaybooks]# ansible-playbook disk-partition.yml

PLAY [disk partitioning and mounting] *****

TASK [Gathering Facts] *****
ok: [192.168.1.100]
ok: [192.168.1.101]

TASK [create new partition] *****
ok: [192.168.1.100]
ok: [192.168.1.101]

TASK [formate partition using file system] *****
ok: [192.168.1.100]
ok: [192.168.1.101]

TASK [mounting] *****
changed: [192.168.1.100]
changed: [192.168.1.101]

PLAY RECAP *****
192.168.1.100 : ok=4    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    igno
red=0
192.168.1.101 : ok=4    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    igno
red=0
```

```
[root@man3 dev]# lsblk
NAME                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sr0                  11:0    1 11.2G  0  rom
nvme0n1              259:0    0   20G  0  disk
├─nvme0n1p1          259:1    0    1G  0  part /mnt/data
│                    /boot
└─nvme0n1p2          259:2    0   19G  0  part
   ├─cs-root          253:0    0   17G  0  lvm  /
   └─cs-swap          253:1    0    2G  0  lvm  [SWAP]
[root@man3 dev]#
```

```
[root@man4 ~]# lsblk
NAME                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sr0                  11:0    1 11.2G  0  rom
nvme0n1              259:0    0   20G  0  disk
├─nvme0n1p1          259:1    0    1G  0  part /mnt/data
│                    /boot
└─nvme0n1p2          259:2    0   19G  0  part
   ├─cs-root          253:0    0   17G  0  lvm  /
   └─cs-swap          253:1    0    2G  0  lvm  [SWAP]
[root@man4 ~]#
```