

# monter un LVM via 2 playbook

Playbook monter un lvm sur /data

```
---
- name: Post-configure machine
  hosts: virtual_machines
  become: yes
  gather_facts: yes

  vars:
    data_devices:
      - /dev/sdb

  tasks:
    - name: Create volume group 'Vodata'
      community.general.lvg:
        vg: Vodata
        pvs: "{{ data_devices|join(',') }}"

    - name: Create logical volume 'data'
      community.general.lvol:
        lv: data
        vg: Vodata
        size: +100%FREE
        resizefs: yes
        force: yes

    - name: Format /data
      community.general.filesystem:
        dev: /dev/VGdata/data
        fstype: xfs
        opts: "{{ additional_options }}"
      vars:
```

```
additional_options: >-
```

```
-i metadata_csum,64bit
```

```
{% if ansible_kernel.version|version_compare('3.18', '>=') %}
```

```
-i delalloc
```

```
{% endif %}
```

```
- name: Mount /data
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```
ansible.posix.mount:
```

```
  path: /data
```

```
  src: LABEL=DATA
```

```
  fstype: xfs
```

```
  opts: rw,defaults
```

```
  passno: 2
```

```
  state: mounted
```

---

Playbook gestion création entre 2 stockage de lvm : playbook pour la certification RHCE.

```
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```

```
name: create lvm in the system
```

```
become: true
```

```
hosts: all
```

```
tasks:
```

```
- name: Create LVM data as 1500MB
```

```
  block:
```

```
    - name: Create LVM data
```

```
      community.general.lvol:
```

```
        vg: research
```

```
        lv: data
```

```
        size: 1500M
```

```
      when: ansible_lvm.vgs.research.size_gb > 1500
```

```
- name:
```

```
  block:
```

```
- debug:
    msg: "The Required size of lv is less then 1500 MB so creating a 800 MB LVM"
when: ansible_lvm.vgs.research.size_gb < 1500 and ansible_lvm.vgs.research.size_gb > 800
- name: Create LVM Data as 800MB
  community.general.lvol:
    vg: research
    lv: data
    size: 800M
  when: ansible_lvm.vgs.research.size_gb < 1500
- name: create file system on lvm
  block:
    - community.general.filesystem:
        fstype: ext4
        dev: /dev/research/data
      when: ansible_lvm.vgs.research is defined
- name:
  block:
    - debug:
        msg: "The Required Volume Group does not exists in this system"
      when: ansible_lvm.vgs.research is not defined
```

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Revision #2

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