

# Module 3: Ansible Modules and Roles

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## Demo Document - 5

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## Demo: Add/Remove host in Ansible Inventory

### Problem Statement:

Adding/removing the host from Ansible Inventory.

### Solution Steps:

1. To get started, access your home folder and create a new directory to hold your Ansible files::

```
[root@ip-172-31-18-124 ~]# mkdir ansible  
[root@ip-172-31-18-124 ~]#
```

Move to that directory and open a new inventory file using your text editor of choice. Here, we will use vi:

```
[root@ip-172-31-18-124 ~]# cd ansible/  
[root@ip-172-31-18-124 ansible]# vi inventory
```

2. A list of your nodes, with one server per line, is enough for setting up a functional inventory file.

```
[root@ip-172-31-18-124 ansible]# cat inventory  
localhost  
172.31.25.35  
[root@ip-172-31-18-124 ansible]#
```

Once you have an inventory file set up, you can use the **ansible-inventory** command to validate and obtain information about your Ansible inventory as shown below

**ansible-inventory -i inventory --list**

```
[root@ip-172-31-18-124 ansible]# ansible-inventory -i inventory --list
{
  "_meta": {
    "hostvars": {}
  },
  "all": {
    "children": [
      "ungrouped"
    ]
  },
  "ungrouped": {
    "hosts": [
      "172.31.25.35",
      "localhost"
    ]
  }
}
```

Even though we have not set up any groups within our inventory, the output shows two distinct groups that are automatically inferred by Ansible: **all** and **ungrouped**. As the name suggests, all is used to refer to all servers from your inventory file, no matter how they are organized. The ungrouped group is used to refer to servers that aren't listed within a group..

3. To remove Hosts from the inventory just remove the entries from the file `~/ansible/inventory`.

```
[root@ip-172-31-18-124 ansible]# ansible-inventory -i inventory --list
{
  "_meta": {
    "hostvars": {}
  },
  "all": {
    "children": [
      "ungrouped"
    ]
  }
}
```