

## Privilege Escalation

ansible.cfg

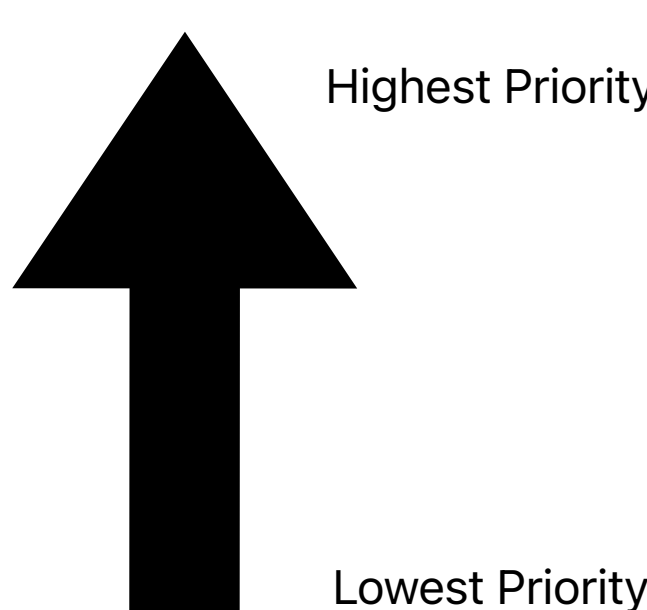
```
[defaults]

inventory= /home/control/ansible/inventory

[privilege_escalation]
become=True
become_method=sudo
become_user=root
become_ask_pass=False
```

## ansible.cfg Presedence

1. Using the environment variable called "ANSIBLE\_CONFIG= <path\_to\_file>"
2. Search for ansible.cfg in present working directory
3. Search for .ansible.cfg in present working directory
4. Consider the Global Config File (/etc/ansible/ansible.cfg)



## YAML

Yet Another Markup Language  
YAML Ain't Markup Language

### Extensions:

.yaml  
.yml

### List

Fruits:

- Apple
- Banana
- Mango
- Grapes

### Dictionary

Person:

Name: Ansible  
Age: 8 years  
Parent: Red Hat

## Dictionary in a List

Fruits:

- Apple:
  - Calories: 320kcal
  - Protein: 3.2g
  - Fat: 1.1g
- Banana
- Mango:
  - Calories: 222kcal
  - Fat: 2.5g
  - Sugar: 5.5g
- Grapes

## List in a Dictionary

Person:

Name: Ansible  
Age: 8 years  
Parent: Red Hat  
Hobbies:

- Automation
- Configuration Management
- Easy and Secure

Hometown: USA

# Playbook

Collection of Plays  
Desired State of Managed Node

```
--- # Document Marker

- name: First Play # First Play
  hosts: all
  tasks:
    - name: Package Installation # First Task
      yum:
        name: httpd
        state: absent

    - name: Copy a file #Second Task
      copy:
        src: content.txt
        dest: /home

- name: Second Play # Second Play
  hosts: webserver
  tasks:
    - name: Create a User # Task of Second Play
      user:
        name: abcde
```

## YAML

Vs.

## JSON

```
---
- name: First Play
  hosts: all
  tasks:
    - name: Package Installation
      yum:
        name: httpd
        state: absent
    - name: Copy a file
      copy:
        src: content.txt
        dest: /home
- name: Second Play
  hosts: webserver
  tasks:
    - name: Create a User
      user:
        name: abcde
```

```
[
  {
    "name": "First Play",
    "hosts": "all",
    "tasks": [
      {
        "name": "Package Installation",
        "yum": {
          "name": "httpd",
          "state": "absent"
        }
      },
      {
        "name": "Copy a file",
        "copy": {
          "src": "content.txt",
          "dest": "/home"
        }
      }
    ]
  },
  {
    "name": "Second Play",
    "hosts": "webserver",
    "tasks": [
      {
        "name": "Create a User",
        "user": {
          "name": "abcde"
        }
      }
    ]
  }
]
```

### To Run a Playbook:

ansible-playbook play1.yml --syntax-check

### To Check syntax of a Playbook:

ansible-playbook play1.yml --syntax-check