

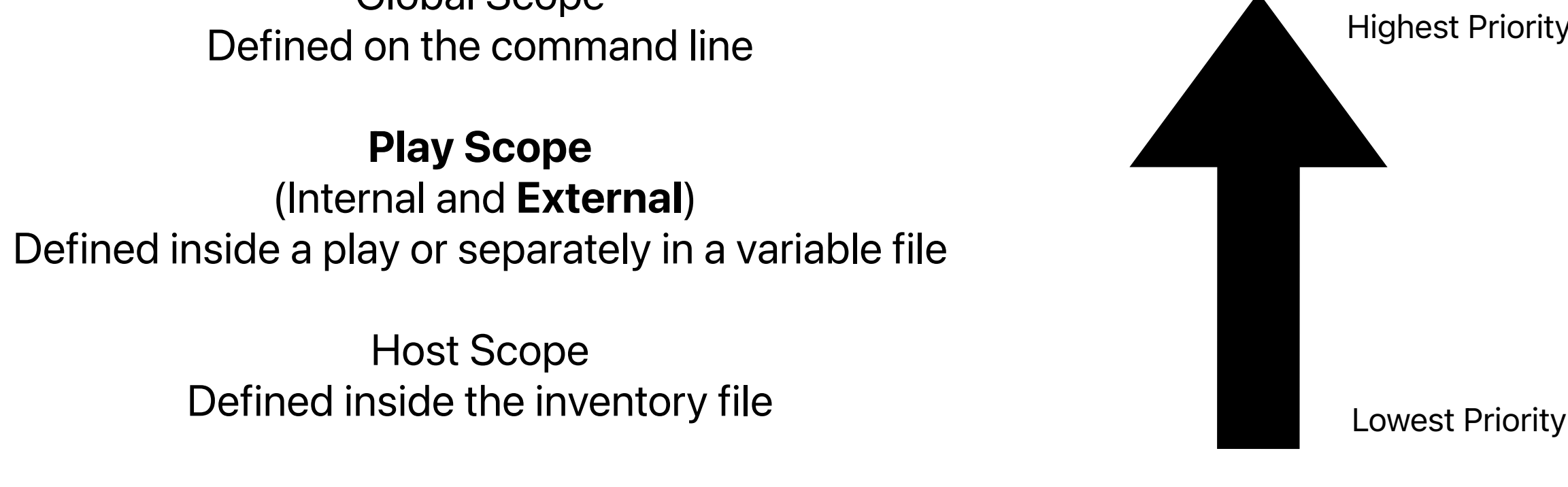
Ansible Variables

Convenient way of managing dynamic values

Naming Convention:

- Not Permitted:**
- No spacing between words (web server)
 - 1variable
 - remote.user
 - content\$new
- Permitted:**
- Start with a letter
 - letters, numbers, and underscore (_)

Types of Variables



"{{ package_name }}"

{{ package_name }}

Host Scope Variable

```
192.168.137.128 ansible_user=managed package_name=httpd
[prod]
192.168.137.128 ansible_user=managed
~
~
~
```

Play Scope Variable

Internal

```
---
- name: New playbook
  hosts: all
  vars:
    file_path: /file1.txt
  tasks:
    - name: Add line in file
      lineinfile:
        path: "{{ file_path }}"
        line: "WE ADDED A LINE"
        tags:
          - new_content
          - my_tasks

    - name: Install "{{ package_name }}"
      dnf:
        name: "{{ package_name }}"
        state: present
        tags: my_tasks
```

Play Scope Variable

External

```
---
- name: New playbook
  hosts: all
  vars:
    file_path: /file1.txt
    vars_files:
      - vars.yml
  tasks:
    - name: Add line in file
      lineinfile:
        path: "{{ file_path }}"
        line: "WE ADDED A LINE"
        tags:
          - new_content
          - my_tasks

    - name: Install "{{ package_name }}"
      dnf:
        name: "{{ package_name }}"
        state: present
        tags: my_tasks

    - name: user creation
      user:
        name: "{{ user_name }}"
        tags:
```

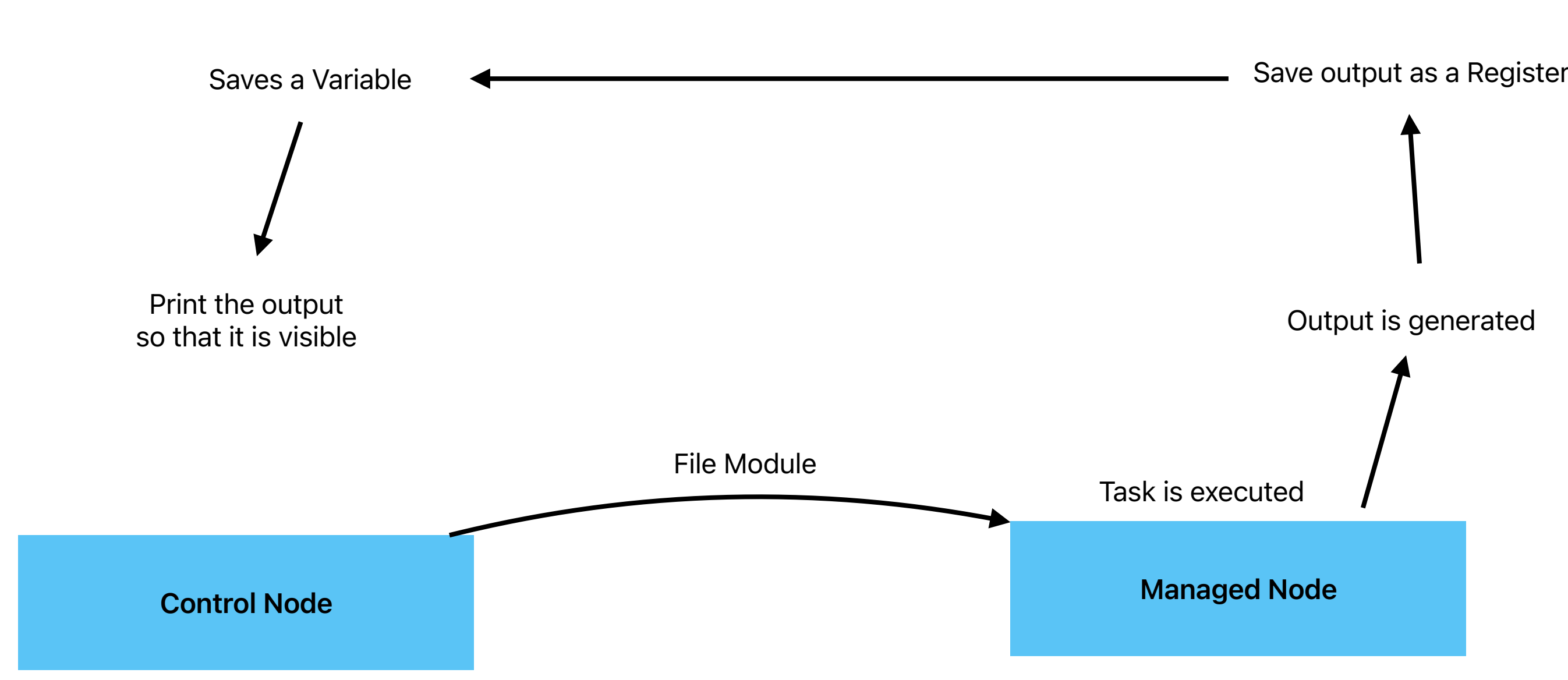
Vars.yml

```
---
user_name: abcde
package_name: php
```

Global Scope Variable

```
ansible-playbook play2.yml -e package_name=haproxy
```

Ansible Registers



```
---
- name: New Playbook
  hosts: all
  tasks:
    - file:
        path: /file3
        state: touch
        register: redhat

    - debug:
        var: redhat
~
~
~
```

```
---
- name: New Playbook
  hosts: all
  tasks:
    - file:
        path: /file4
        state: touch
        register: redhat

    - debug:
        var: redhat.mode
~
```