21.yml - when

```
---
 - name: "Example for when"
   hosts: all
   vars:
     is_package: false #true

   tasks:
   - yum:
       name=httpd
       state=present
     when: is_package
```

```
[root@ip-172-31-29-57 Ansible]# ansible-playbook 21.yml

PLAY [Example for when] ************************************************

TASK [Gathering Facts] ************************************************
ok: [13.127.244.80]

TASK [yum] ************************************************
skipping: [13.127.244.80]

PLAY RECAP ************************************************
13.127.244.80              : ok=1    changed=0    unreachable=0    failed=0
```

22.yml

```
---
- name: "Example for when"
  hosts: all
  vars:
    is_package: false #true

  tasks:
  - yum:
      name=httpd
      state=present
    when: (is_package is defined) and is_package # undefined => defined # or => and
```

```
[root@ip-172-31-29-57 Ansible]# ansible-playbook 22.yml

PLAY [Example for when] ************************************************

TASK [Gathering Facts] ************************************************
ok: [13.127.244.80]

TASK [yum] ************************************************
skipping: [13.127.244.80]

PLAY RECAP ************************************************
13.127.244.80              : ok=1    changed=0    unreachable=0    failed=0
```

23.yml – Registered variable

▶ In Ansible, any play can 'register' a variable, and once registered, that variable will be available to all subsequent tasks.

```
---

 - hosts: all

   tasks:

    - yum: list=httpd

      register: result


    - debug: var=result

      when: ansible_os_family == "RedHat"
```

```
[root@ip-172-31-29-57 Ansible]# ansible-playbook 23.yml

PLAY [all] ***********************************************************

TASK [Gathering Facts] **********************************************
ok: [13.127.244.80]

TASK [yum] **********************************************************
ok: [13.127.244.80]

TASK [debug] ********************************************************
ok: [13.127.244.80] => {
    "result": {
        "changed": false,
        "failed": false,
        "results": [
```