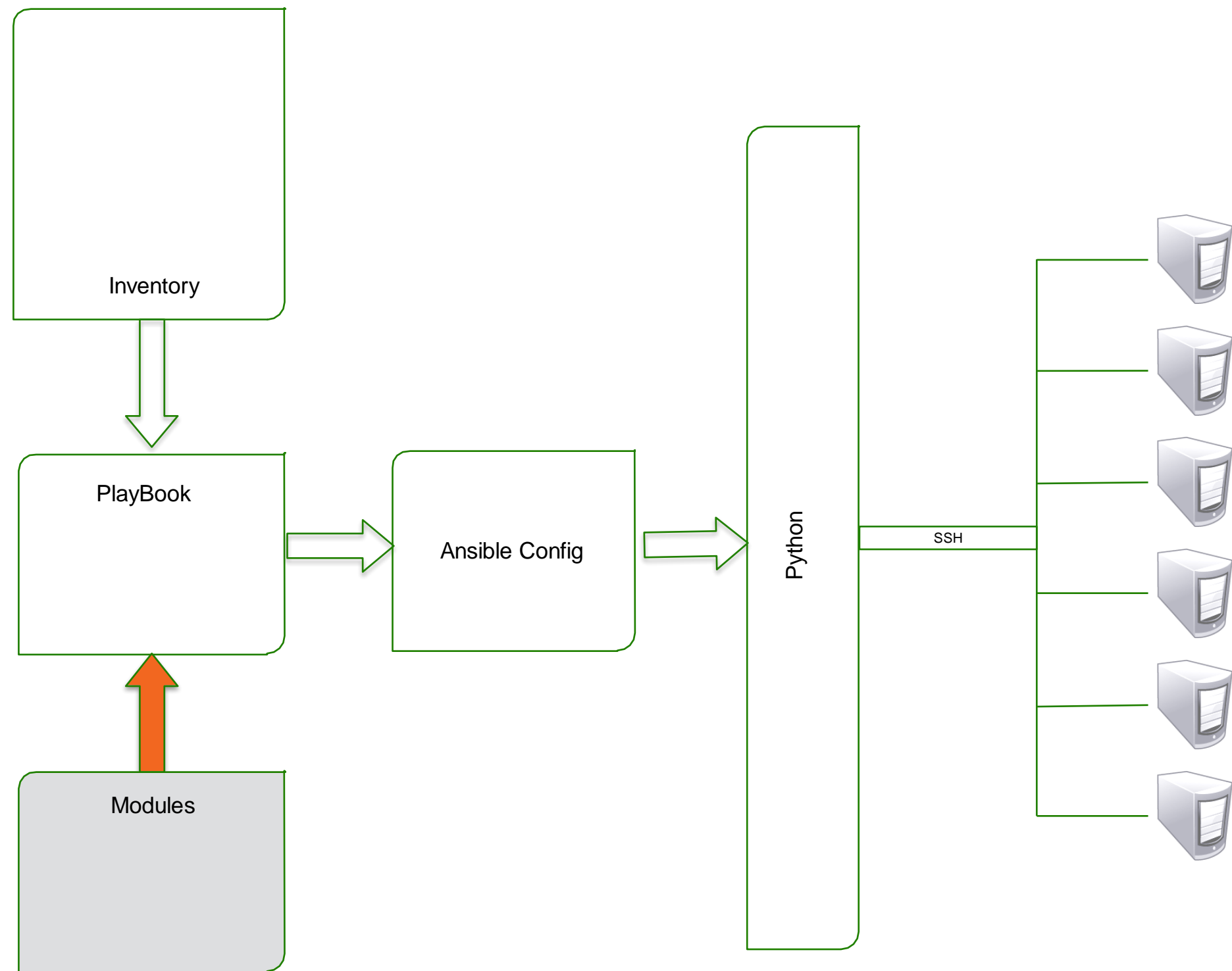


# Ansible Modules





# 3 Types of Modules



Core



Extras



Deprecated

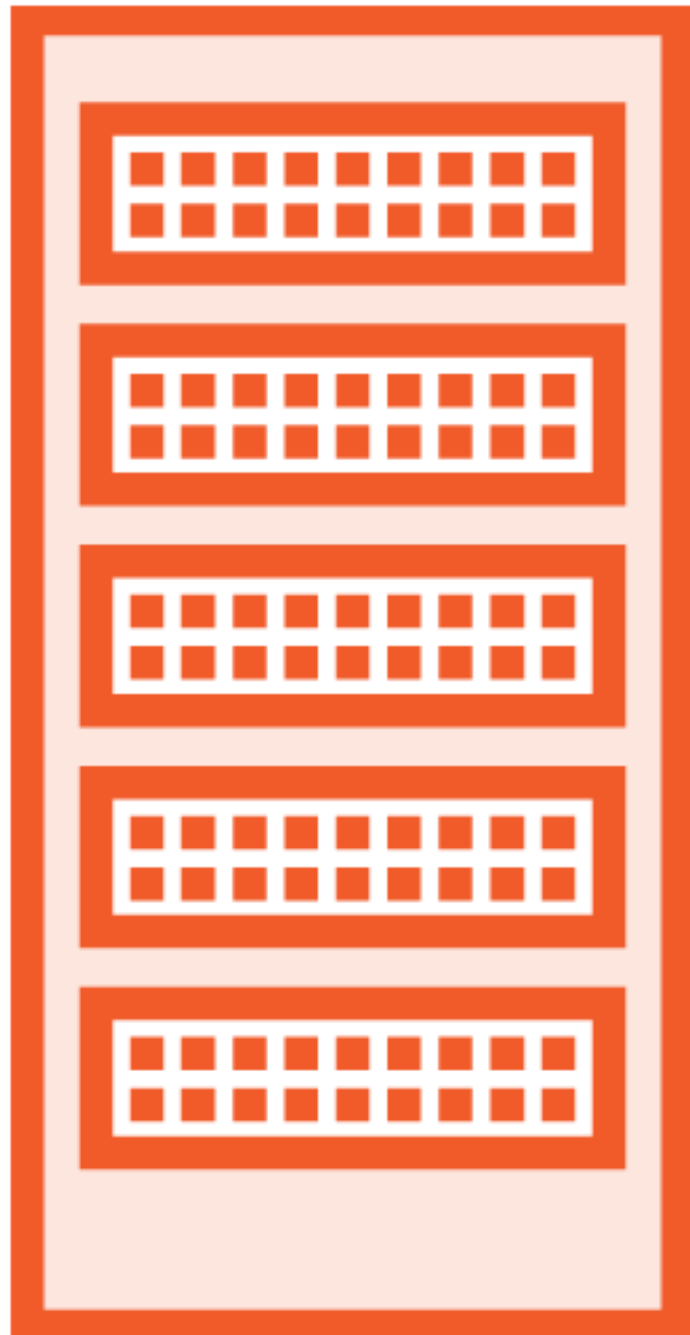
# Module Docs

```
$ ansible-doc -l
```

```
$ ansible-doc -s  
    <name>
```

```
$ ansible-doc <name>
```

# Module Categories



- Manage Servers
- Deploy Configurations

# Module Categories



- Configure network equipment

# Module Categories



- Maintain virtual servers

# Module Categories



- Manage databases and tables



# Module Categories



- Deploy load-balancer configurations

# Copy Module



- Copies a file from local box to remote system
- Has “backup” capability
- Can do validation remotely

# Fetch Module



- Pulls a file from remote host to local system
- Can use md5 checksums to validate

# Apt Module



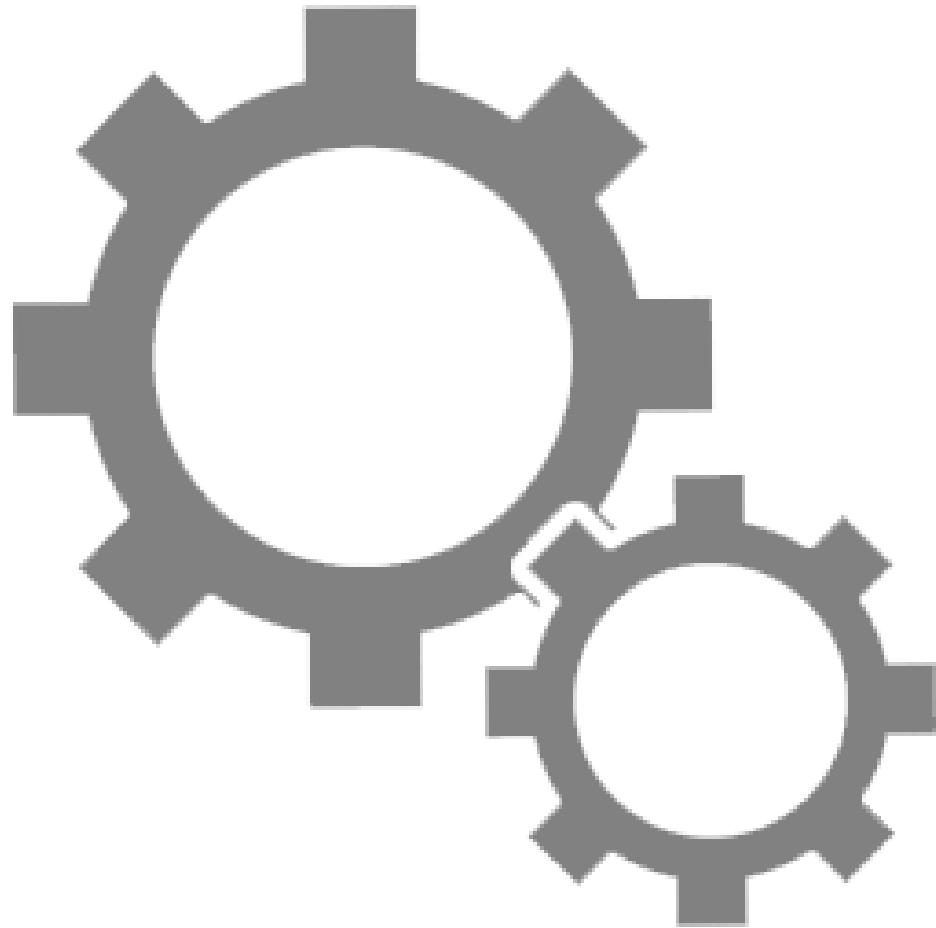
- Manages installed applications on Debian-based systems
- Can install, update, or delete packages
- Can update entire system

# Yum Module



- Manages installed applications on Redhat-based systems
- Can install, update, or delete packages
- Can update entire system

# Service Module



- Can stop, start, or restart services
- Can enable services to start on boot

# Demo: Using Modules to Install/Start

- Browse module documentation
- Install Web Server (Yum module)
- Start Web Server (Service module)
- Install DB Server (Yum module)
- Start DB Server (Service module)
- Stop Firewalls (Service module)



# Host/Group Target Patterns

OR  
(group1:group2)

NOT  
(!group2)

Wildcard  
(web\*.ex.com)

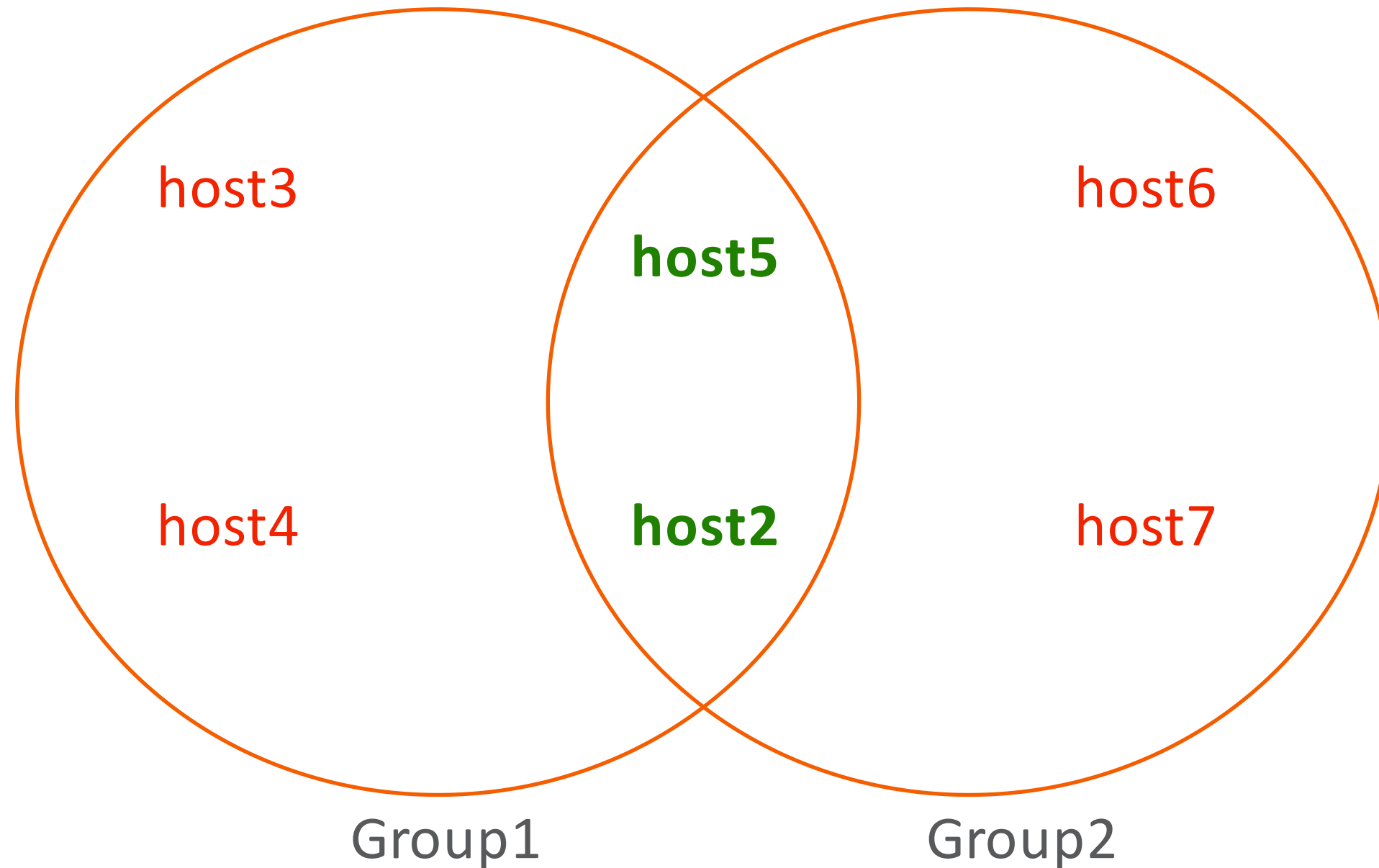
Regex  
(~web[0-9]+)



# Complex Patterns

AND

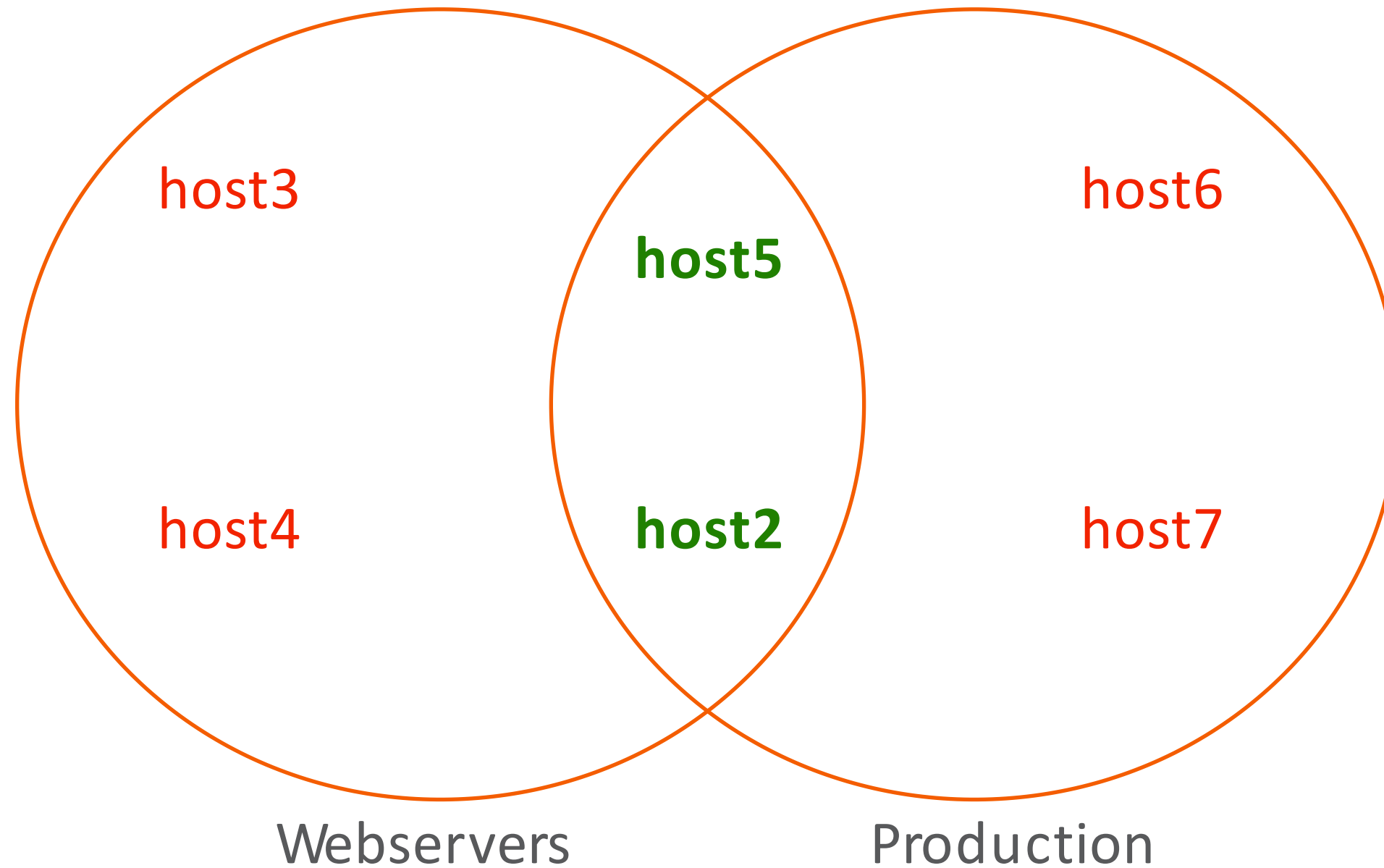
(group1:&group2)



# Complex Patterns

AND

(Webservers:&Production)



# Demo: Using Setup Module

- Gather facts on remote systems
- Used in Playbooks

