



What are we going to see in this session?

- Become
- Create sample user
- Exercise



Become

- In many cases, we might not have full root access in remote machine, and we are supposed to do the tasks from different user with elevated privilege.
- In such cases ansible allows you to 'become' another user for executing tasks.
- This is done using existing privilege escalation tools, which you probably already using like sudo, su etc..



Create sample user

- Let's create sample user with name [oracle] in target hosts to do further activities
 - ansible all -m shell -a "useradd oracle" -k
 - ansible web -m shell -a "usermod -aG wheel oracle" -k
- For now we will setup the oracle user password manually in target hosts, in later session we will see how to set password for user through ansible in encrypted way.



Exercise 1.0

Creating Directory using [mkdir] module:

```
ansible web -a "mkdir directory-name" -become_user=oracle -become(b) --ask-become-pass(K)
```

Directly running shell commands using [shell] module

```
ansible web -m shell -a "usermod -ag wheel sam" -become_user=oracle -become(b) --ask-become-pass(K)
```

Copying a file to remote machines using [copy] module

```
ansible web -m copy -a "src=/etc/hosts dest=/tmp/hosts" -become_user=oracle -become(b) --ask-become-pass(K)
```

Using [file] module you can change ownership and permissions on files.

```
ansible webs -m file -a "dest=/srv/b.txt mode=600 owner=xxx group=xxx" -become_user=oracle -become(b) --ask-become-pass(K)
```

Combining two commands using shell modules

```
ansible web -m shell -a "sudo chmod 666 /etc/chennai && sudo chown  
bruce:localadmin /etc/chennai" -become_user=oracle -become(b) --ask-become-pass(K)
```



Exercise 1.1

Package Install using [YUM, APT] module:

```
ansible web -m yum -a "name=ntp state=present" -become_user=oracle -become(b) --ask-become-pass(K)
```

Package remove using [YUM, APT] module:

```
ansible web -m yum -a "name=ntp state=absent" -become_user=oracle -become(b) --ask-become-pass(K)
```

Creating User using [user] module

```
ansible web -m user -a "name=foo password=<rypted password here>" -become_user=oracle -become(b) --ask-become-pass(K)
```

Removing User using [user] module

```
ansible web -m user -a "name=foo state=absent" -become_user=oracle -become(b) --ask-become-pass(K)
```

Managing service using [service] module

States available : [started] [restarted] [stopped]

```
ansible webservers -m service -a "name=httpd state=started" -become_user=oracle -become(b) --ask-become-pass(K)
```

Running setup with sudo privilege

```
ansible web -m setup -u oracle -b -k
```



End of this topic!

Any questions?



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