Ad hoc commands are used in Ansible to perform tasks or operations that are needed on an immediate basis, or only once, based upon the requirement.

In other words, these are tasks that a user wants to be performed on the fly but doesn't want to be saved for later use.

Ansible modules can be called using ansible command

These ad-hoc commands are not used for configuration management and deployment, because these commands are of one time usage.

ansible-playbook is used for configuration management and deployment.

Specify which module to use, using -m

The "command" module is default, and does not have to be specified

ansible [-i INVENTORY] [server] [-m MODULE] {-a MODULE\_OPTIONS}

ansible [-i INVENTORY] [server] -m copy -a "src=/source/file/path dest=/dest/path"

ansible [-i INVENTORY] [server] -m file -a "path=</path/to/file.txt state=touch>"

ansible [-i INVENTORY] [server] -m file -a "path=</path/to/file.txt state=absent>"

ansible [-i INVENTORY] [server] -m file -a "path=</path/to/dir state=directory>"

ansible [-i INVENTORY] [server] -m file -a "path=</path/to/dir state=absent>"

ansible [-i INVENTORY] [server] -m yum -a "name=<pkg> state=<present/latest/absent>"

Transferring file to many servers/machines

$ Ansible abc -m copy -a "src = /etc/yum.conf dest = /tmp/yum.conf"

Creating new directory

$ Ansible abc -m file -a "dest = /path/user1/new mode = 777 owner = user1 group = user1 state = directory"

Deleting whole directory and files

$ Ansible abc -m file -a "dest = /path/user1/new state = absent"

The following command checks if yum package is installed or not, but does not update it.

$ Ansible abc -m yum -a "name = demo-tomcat-1 state = present"

The following command check the package is not installed.

$ Ansible abc -m yum -a "name = demo-tomcat-1 state = absent"

The following command checks the latest version of package is installed.

$ Ansible abc -m yum -a "name = demo-tomcat-1 state = latest" ansible db -m ping

ansible db -a 'uptime'

ansible db -m yum -a "name=telnet state=present" --become

ansible db -m yum -a "name=telnet state=present" --become

ansible db -m copy -a "src=/etc/hosts dest=/tmp/hosts"

ansible db -m file -a "dest=/tmp/hosts mode=777 owner=test"

ansible db -a "/sbin/reboot"

ansible db -a "free -m"

ansible db -m shell -a "cat /proc/meminfo|head -2"

ansible db -m shell -a "cat /etc/passwd|grep -i test"

ansible db -m file -a "path=/opt/binaries state=directory mode=0755"

ansible db -m group -a "name=weblogic state=present"

ansible db -m file -a "path=/opt/oracle state=directory mode=0755"

ansible db -m file -a "path=/tmp/testfile state=touch mode=0755

ansible db -m file -a "path=/opt/oracle group=weblogic owner=weblogic

ansible db -a "df -h"

ansible db -m yum -a "name=httpd state=installed"

ansible db -m service -a "name=httpd state=started enabled=yes"

ansible db -m copy -a "src=~/Downloads/index.html dest=/var/www/html owner=apache group=apache mode=0644"

ansible db -m copy -a "src=~/Downloads dest=/var/www/html/ owner=apache group=apache mode=0644"

ansible db -m get\_url -a "url=https://nodejs.org/dist/v14.17.4/node-v14.17.4-linux-x64.tar.xz dest=/tmp mode=0755"

ansible db -m setup -a "filter=ansible\_distribution\*"

ansible db -m yum -a 'name=nginx state=latest'

ansible all -m user -a "name=foo password=redhat"

ansible db -m copy -a "content='Hello, My name is deepak' dest=~/ctrl\_file

ansible db -m shell -a 'yum list installed' | grep httpd

ansible-doc -l | grep yum

ansible-doc -l | wc -l

ansible web -m shell -a 'uptime'

ANSIBLE\_KEEP\_REMOTE\_FILES=1 ansible 172.31.81.119 -m shell -a 'uptime'

Go to node--- ls -a --- check for .ansible

ansible web -m shell -a "sudo yum list installed | grep nginx"

ansible web -m yum -a "name=nginx state=present" detail error