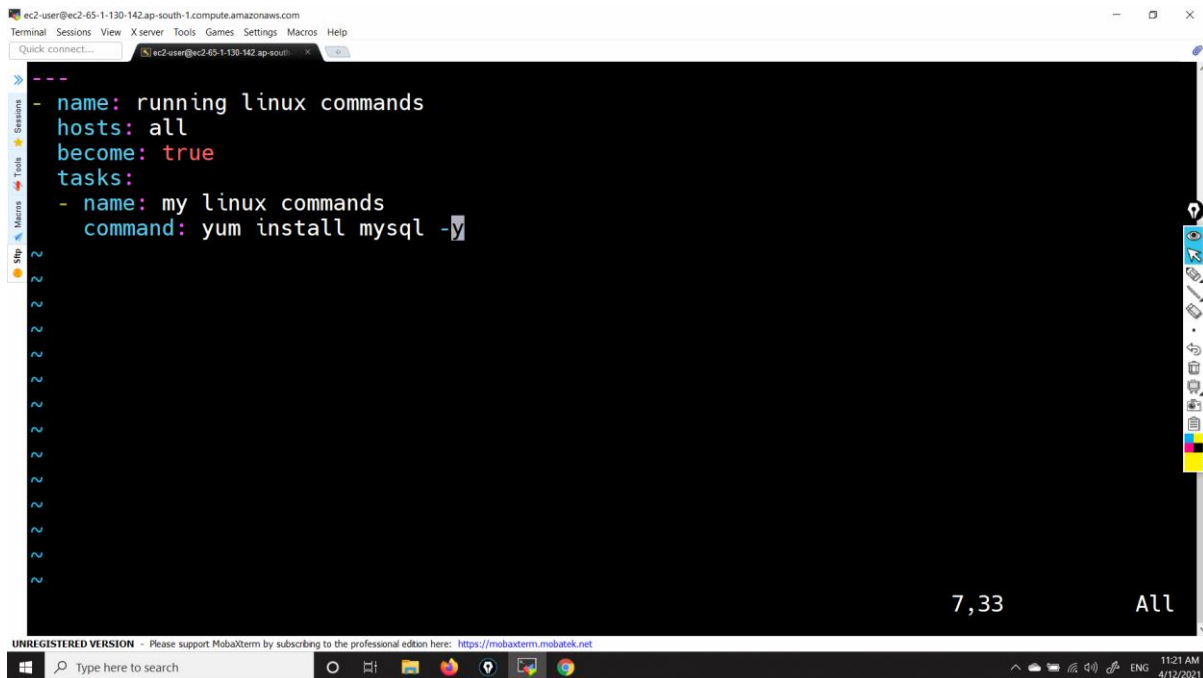


# Ansible Playbooks

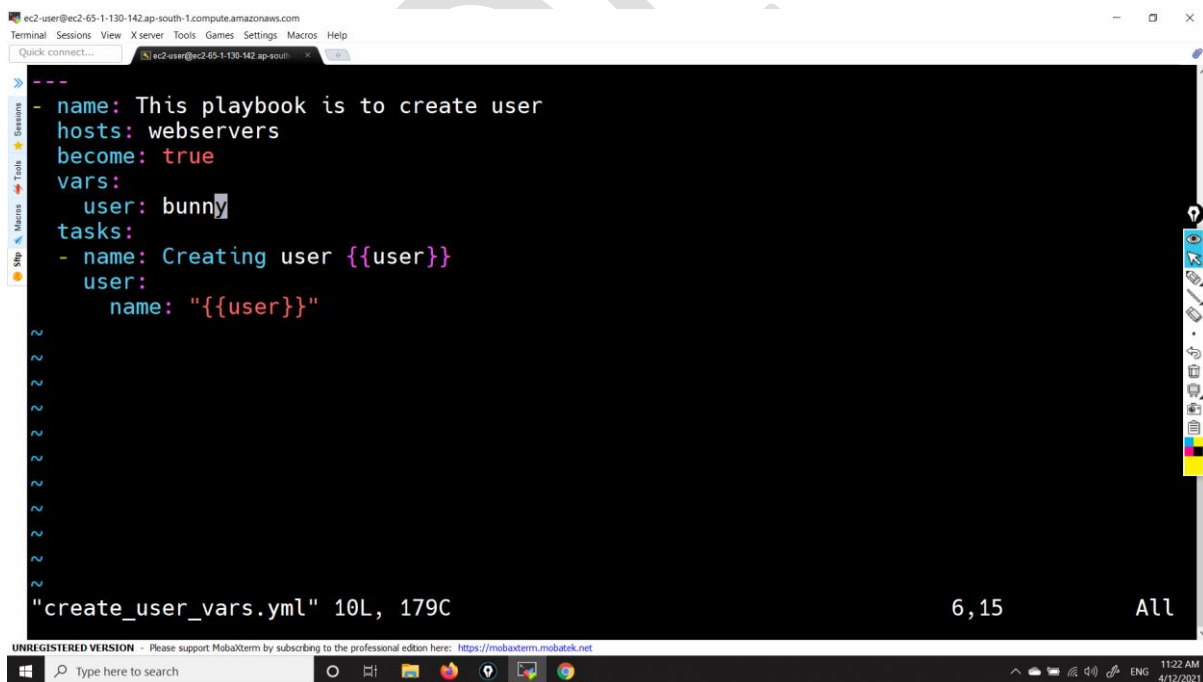


The screenshot shows a MobaXterm terminal window with a dark background. The terminal displays an Ansible playbook for installing MySQL. The playbook has a name 'running linux commands', targets 'all' hosts, and sets 'become: true'. The task 'my linux commands' runs 'yum install mysql -y'. The terminal shows the playbook content with line numbers 7 and 33. The status bar at the bottom indicates 'All' and '7,33'. A watermark 'X' is visible in the background.

```
--  
- name: running linux commands  
  hosts: all  
  become: true  
  tasks:  
    - name: my linux commands  
      command: yum install mysql -y
```

7,33 All

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The screenshot shows a MobaXterm terminal window with a dark background. The terminal displays an Ansible playbook for creating a user. The playbook has a name 'This playbook is to create user', targets 'webservers', and sets 'become: true'. The variable 'user' is set to 'bunny'. The task 'Creating user {{user}}' runs 'user: name: \"{{user}}\"'. The terminal shows the playbook content with line numbers 6 and 15. The status bar at the bottom indicates 'All' and '6,15'. A watermark 'X' is visible in the background.

```
--  
- name: This playbook is to create user  
  hosts: webservers  
  become: true  
  vars:  
    user: bunny  
  tasks:  
    - name: Creating user {{user}}  
      user:  
        name: "{{user}}"
```

"create\_user\_vars.yml" 10L, 179C

6,15 All

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```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1...

- name: This playbook installs httpd
  hosts: all
  become: true

  tasks:
    - name: Installing httpd package
      yum:
        name: httpd
        state: installed
        when: ansible_os_family == "RedHat"

    - name: Starting httpd service
      service:
        name: httpd
        state: started
        when: ansible_os_family == "RedHat"

    - name: Installing apache2 package
      apt:
        name: apache2
        state: present
        when: ansible_os_family == "Debian"

    - name: Starting apache2 service
      service:
        name: apache2
        state: started
        when: ansible_os_family == "Debian"

    - name: Copy index.html file
      copy:
        src: /home/ansadmin/index.html
        dest: /var/www/html
        mode: 0666

35,16 All

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```

```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1...

- name: This playbook is to install tomcat
  hosts: webservers
  become: true
  tasks:
    - name: Install java on RedHat
      yum:
        name: java
        state: installed
        when: ansible_os_family == "RedHat"

    - name: Install java on Debian
      apt:
        name: default-jdk
        state: present
        when: ansible_os_family == "Debian"

    - name: Download Tomcat
      get_url:
        url: https://downloads.apache.org/tomcat/tomcat-8/v8.5.65/bin/apache-tomcat-8.5.65.tar.gz
        dest: /opt

    - name: extract tomcat
      unarchive:
        src: /opt/apache-tomcat-8.5.65.tar.gz
        dest: /opt
        remote_src: yes

    - name: Add executable permissions
      file:
        path: /opt/apache-tomcat-8.5.65/bin/startup.sh
        mode: 0777

    - name: start tomcat service
      shell: nohup ./startup.sh
      args:
        chdir: /opt/apache-tomcat-8.5.65/bin

38,0-1 All

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```

ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com

Terminal Sessions View X server Tools Games Settings Macros Help

Quick connect...

```
--
- name: This playbook is to copy a file
hosts: all
become: true
tasks:
  - name: Copy a file
    copy:
      src: /home/ansadmin/index.html
      dest: /home/ansadmin
      mode: 0600
      owner: har
```

11,17 All

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11:23 AM 4/12/2021

ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com

Terminal Sessions View X server Tools Games Settings Macros Help

Quick connect...

```
--
- hosts: all
  become: yes
  tasks:
    - user: name=har
```

"create\_user.yml" 5L, 60C

1,1 All

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```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com

--
- name: This playbook installs httpd
hosts: all
become: true

tasks:
- name: Installing httpd
  yum:
    name: httpd
    state: installed
    notify: Starting service

handlers:
- name: Starting service
  service:
    name: httpd
    state: started

~
~
~
~

14,11 All
```

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```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com

--
- name: This playbook is to create a directory
hosts: all
become: true
tasks:
- name: Creating a directory
  file:
    path: /home/ansadmin/dir1
    state: directory


~
~
~
~
~
~
~
~
~
~

1,1 All
```

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Type here to search 11:23 AM 4/12/2021





The screenshot shows a MobaXterm terminal window with a dark background. The terminal displays the content of an Ansible playbook. The window's title bar includes the text 'ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com'. The terminal's left sidebar shows icons for 'Sessions', 'Tools', 'Macros', and 'Log'. The bottom status bar of the terminal reads 'UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net'. The system taskbar at the very bottom shows the Windows logo, a search bar, and various system icons including network, volume, and date/time (11:24 AM 4/12/2020).

```

--
- name: This playbook installs httpd
  hosts: all
  become: true
  tasks:

- name: Stopping service
  service:
    name: httpd
    state: stopped

- name: Uninstalling httpd
  yum:
    name: httpd
    state: removed
  
```

1,1 All

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```

ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com

--
- name: This playbook is to create a file
  hosts: webserver
  become: true
  tasks:
    - name: Creating a file
      file:
        path: /home/ansadmin/demofile
        state: touch

1,1 All

```

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```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1...
--
- name: My Test Playbook
  hosts: all
  become: true
  tasks:
    - name: test task
      user:
        name: mahesh
        state: present

"demo-sai.yml" 9L, 136C 1,1 All
```

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```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1...
--
- name: This playbook installs multiple packages
  hosts: webserver
  become: yes
  tasks:
    - name: Installing multiple packages
      yum:
        name: ['git', 'make', 'docker', 'mysql', 'tree', 'which', 'wget']
        state: installed

"install_multiple_packages.yml" 9L, 240C 1,1 All
```

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The screenshot shows a MobaXterm terminal window with a dark background. The terminal displays an Ansible playbook for creating a user. The window title is 'ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com'. The menu bar includes 'Terminal', 'Sessions', 'View', 'X server', 'Tools', 'Games', 'Settings', 'Macros', and 'Help'. The status bar at the bottom indicates 'UNREGISTERED VERSION' and provides a link to the professional edition. The system clock shows 11:25 AM on 4/12/2021.

```
--
- name: This playbook is to create user
  hosts: webserver
  become: yes
  tasks:
    - name: Creating user rohit
      user: name=rohit
```

1,1 All

The screenshot shows a MobaXterm terminal window with a dark background. The terminal displays an Ansible playbook for installing the git package. The window title is 'ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com'. The menu bar includes 'Terminal', 'Sessions', 'View', 'X server', 'Tools', 'Games', 'Settings', 'Macros', and 'Help'. The status bar at the bottom indicates 'UNREGISTERED VERSION' and provides a link to the professional edition. The system clock shows 11:26 AM on 4/12/2021.

```
--
- name: This playbook is to install package
  hosts: webserver
  become: true
  tasks:
    - name: Install Package
      yum:
        name: git
        state: installed
```

1,1 All



A screenshot of the MobaXterm application window. The title bar shows 'ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com'. The menu bar includes 'Terminal', 'Sessions', 'View', 'X server', 'Tools', 'Games', 'Settings', 'Macros', and 'Help'. The terminal window displays a playbook configuration for creating a user. The left sidebar has icons for 'Sessions', 'Tools', and 'Macros'. The bottom status bar indicates 'UNREGISTERED VERSION' and provides a link to the professional edition. The system tray shows the time as 11:26 AM on 4/12/2021.

```
--  
- name: This playbook is to create user  
  hosts: webservers  
  become: yes  
  tasks:  
    - name: Creating user akash  
      user:  
        name: akash
```

1,1 All

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11:26 AM  
4/12/2021

A screenshot of the MobaXterm application window, similar to the one above. The terminal window displays a playbook configuration for installing a package. The left sidebar and bottom status bar are identical to the first screenshot.

```
--  
- name: This playbook is to install package  
  hosts: webservers  
  # become: true  
  tasks:  
    - name: Install Package  
      yum:  
        name: tree  
        state: installed
```

1,1 All

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```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com

--
- name: This playbook is to create user
  hosts: webserver
  become: true
  vars_files:
    - user.yml
  tasks:
    - name: Creating user {{user}}
      user:
        name: "{{user}}"

1,1 All
```

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```
ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect... ec2-user@ec2-65-1-130-142.ap-south-1.compute.amazonaws.com

--
- name: This playbook installs httpd
  hosts: all
  become: true

  tasks:
    - name: Installing httpd package
      yum:
        name: httpd
        state: installed
        when: ansible_os_family == "RedHat"

    - name: Starting httpd service
      service:
        name: httpd
        state: started
        when: ansible_os_family == "RedHat"
        ignore_errors: yes

    - name: Installing apache2 package
      apt:
        name: apache2
        state: present
        when: ansible_os_family == "Debian"

    - name: Starting apache2 service
      service:
        name: apache2
        state: started
        when: ansible_os_family == "Debian"

    - name: Copy index.html file
      copy:
        src: /home/ansadmin/index.html
        dest: /var/www/html
        mode: 0666

4,1 All
```

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