CoPilot Chatbot Prompts

Respond with list of URLs that have Ansible Playbooks for Redhat Enterprise Linux v9 or Ubuntu 24.04 LTS Linux servers.

Sure! Here are a few example Ansible playbooks for Red Hat Enterprise Linux v9:

**Basic Server Configuration**

This playbook installs and configures Apache on multiple servers.

---

- name: Configure Apache Web Server

hosts: web\_servers

become: true

tasks:

- name: Install Apache

package:

name: httpd

state: present

- name: Configure Apache settings

lineinfile:

path: /etc/httpd/conf/httpd.conf

regexp: '^ServerSignature'

line: 'ServerSignature Off'

- name: Start and enable Apache

service:

name: httpd

state: started

enabled: true

**User Management**

This playbook creates a new user and ensures proper ownership of their home directory.

---

- name: Manage User Accounts

hosts: all

tasks:

- name: Create a new user

user:

name: john\_doe

state: present

groups: developers

shell: /bin/bash

- name: Ensure user's home directory is owned by the user

file:

path: /home/john\_doe

owner: john\_doe

group: developers

mode: '0755'

**Database Management**

This playbook manages a MySQL database.

---

- name: Manage MySQL Database

hosts: db\_servers

become: true

tasks:

- name: Install MySQL

yum:

name: mysql-server

state: present

- name: Start MySQL service

service:

name: mysqld

state: started

enabled: true

- name: Create a database

mysql\_db:

name: my\_database

state: present

- name: Create a database user

mysql\_user:

name: db\_user

password: db\_password

priv: 'my\_database.\*:ALL'

state: present

These examples should help you get started with automating tasks on Red Hat Enterprise Linux v9 using Ansible. If you need more detailed examples or have specific requirements, feel free to ask!

Sure! Here are some additional Ansible playbooks for Red Hat Enterprise Linux v9:

**Security Hardening**

This playbook applies basic security hardening measures.

---

- name: Basic Security Hardening

hosts: all

become: true

tasks:

- name: Ensure firewalld is installed

yum:

name: firewalld

state: present

- name: Start and enable firewalld

service:

name: firewalld

state: started

enabled: true

- name: Ensure SELinux is enforcing

command: setenforce 1

when: ansible\_selinux.status != "enabled"

- name: Ensure password complexity

lineinfile:

path: /etc/security/pwquality.conf

regexp: '^# minlen'

line: 'minlen = 12'

**Application Deployment**

This playbook deploys a sample web application.

---

- name: Deploy Sample Web Application

hosts: web\_servers

become: true

vars:

app\_dir: /var/www/html/sample\_app

tasks:

- name: Install necessary packages

yum:

name:

- git

- httpd

state: present

- name: Clone the application repository

git:

repo: 'https://github.com/example/sample\_app.git'

dest: "{{ app\_dir }}"

- name: Start and enable Apache

service:

name: httpd

state: started

enabled: true

**Backup and Restore**

This playbook performs a backup of important files and restores them if needed.

---

- name: Backup and Restore

hosts: all

become: true

vars:

backup\_dir: /backup

files\_to\_backup:

- /etc/hosts

- /etc/passwd

tasks:

- name: Create backup directory

file:

path: "{{ backup\_dir }}"

state: directory

mode: '0755'

- name: Backup important files

copy:

src: "{{ item }}"

dest: "{{ backup\_dir }}/{{ item | basename }}.bak"

with\_items: "{{ files\_to\_backup }}"

- name: Restore files from backup

copy:

src: "{{ backup\_dir }}/{{ item | basename }}.bak"

dest: "{{ item }}"

with\_items: "{{ files\_to\_backup }}"

when: restore | default(false)

**Network Configuration**

This playbook configures network settings on the servers.

---

- name: Configure Network Settings

hosts: all

become: true

tasks:

- name: Set static IP address

nmcli:

conn\_name: eth0

ifname: eth0

type: ethernet

ip4: 192.168.1.100/24

gw4: 192.168.1.1

state: present

- name: Set DNS servers

lineinfile:

path: /etc/resolv.conf

line: 'nameserver 8.8.8.8'

state: present

These examples should give you a broader idea of how to use Ansible to automate various tasks on Red Hat Enterprise Linux v9. If you have any specific requirements or need further assistance, feel free to ask!