

YAML Use-Cases

Scenario 9: Deploying a Web Application

Your task is to create a YAML playbook for deploying a web application to [multiple web servers](#). The playbook should encompass the following steps:

Step 1: Update System Packages

- Create a task named "Update system packages" to update system packages.
- Use the "dnf" module for updating the packages.

Step 2: Install Required Packages

- Create a task named "Install required packages" to install essential packages for your web application.
- Use the "dnf" module for Red Hat-based systems (Linux) to install packages such as Apache (httpd), PHP, and MySQL.

Step 3: Copy Web Application Files

- Create a task named "Copy web application files" to transfer the web application files from your local machine to the web servers.
- Use the "copy" module to copy the application files to the appropriate directory on the server.

Step 4: Configure Virtual Host

- Create a task named "Configure virtual host" to set up the virtual host for your web application.
- Use the "template" module to configure the virtual host file on the server.

Step 5: Restart Apache

- Create a handler named "Restart Apache" to restart the Apache web server when the configuration changes.
- Use the "service" module to restart the Apache service.

Ensure that your YAML playbook is well-structured and organized, and it's capable of deploying the web application to the specified web servers.