5. Web Server

Introduction

**Objective:**

At the end of this guide, you will learn to configure apache2.

**Login**

The login credential for all server and client machines:

Username: root / user

Password: Skill39@Lyon

**Network Topology**

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| --- |
| This will be the network topology that will be referenced for setting up the infrastructure. |
|  |

## Web Server

**Configure Web Server on web01 manually**

apt install apache2 -y

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| --- |
| mkdir -p /opt/wwwroot |
|  |

vim /opt/wwwroot/404.html

vim /opt/wwwroot/whoami

vim /etc/apache2/sites-available/000-default.conf

vim /etc/apache2/apache2.conf

systemctl restart apache2

## Configure Web Server on web02 using ansible

We will set up ha-prx01 as the Ansible Server and manage web02.

### Setup Ansible

mkdir -p /opt/ansible

cd /opt/ansible

vim ansible.cfg

vim .vault\_pass

ssh-keygen -t rsa -b 4096

ssh-copy-id -i /root/.ssh/id\_rsa.pub

vim inventory

ansible-vault create secretLinux

**Use the below command to test connection between ha-prx01 and web02**

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| --- |
| ansible all -u root -m ping |
|  |

### Ansible Script

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| --- |
| vim configure-web02.yml |
|  |

**In ha-prx01:**

Choose either options