displayhealth/

├── tasks/

│ ├── main.yml

│ ├── docker\_install.yml

│ └── get\_docker\_status.yml

├── vars/

│ └── main.yml

├── defaults/

│ └── main.yml

├── handlers/

│ └── main.yml

├── meta/

│ └── main.yml

└── files/

tasks/main.yml

- name: Include task to install Docker

include\_tasks: docker\_install.yml

- name: Include task to get Docker status and container details

include\_tasks: get\_docker\_status.yml

tasks/docker\_install.yml

- name: Install prerequisites on RedHat

dnf:

name: dnf-plugins-core

state: present

when: ansible\_os\_family == "RedHat"

- name: Add Docker CE repo on RedHat

get\_url:

url: "{{ docker\_repo\_url\_redhat }}"

dest: /etc/yum.repos.d/docker-ce.repo

when: ansible\_os\_family == "RedHat"

notify: Restart Docker

- name: Install Docker packages on RedHat

dnf:

name: "{{ docker\_packages\_redhat }}"

state: present

when: ansible\_os\_family == "RedHat"

notify: Restart Docker

- name: Install prerequisites on Debian

apt:

name:

- apt-transport-https

- ca-certificates

- curl

- gnupg

- lsb-release

state: present

when: ansible\_os\_family == "Debian"

- name: Add Docker GPG key on Debian

apt\_key:

url: "{{ docker\_repo\_key\_url\_debian }}"

state: present

when: ansible\_os\_family == "Debian"

- name: Add Docker repository on Debian

apt\_repository:

repo: "deb [arch=amd64] {{ docker\_repo\_url\_debian }} {{ ansible\_lsb.codename }} stable"

state: present

when: ansible\_os\_family == "Debian"

notify: Restart Docker

- name: Install Docker packages on Debian

apt:

name: "{{ docker\_packages\_debian }}"

state: present

when: ansible\_os\_family == "Debian"

notify: Restart Docker

- name: Enable and start Docker service

systemd:

name: docker

enabled: true

state: started

tasks/get\_docker\_status.yml

- name: Check Docker is installed

command: docker --version

register: docker\_version

ignore\_errors: yes

- name: Print Docker version

debug:

var: docker\_version.stdout

- name: Get list of running Docker containers

command: >

docker ps --format "{{ '{{.Names}}\t{{.Status}}\t{{.Image}}' }}"

register: docker\_ps\_output

changed\_when: false

- name: Display container status

debug:

var: docker\_ps\_output.stdout\_lines

var/main.yml

docker\_repo\_url\_redhat: https://download.docker.com/linux/centos/docker-ce.repo

docker\_repo\_url\_debian: https://download.docker.com/linux/ubuntu

docker\_repo\_key\_url\_debian: https://download.docker.com/linux/ubuntu/gpg

default/main.yml

docker\_packages\_redhat:

- docker-ce

- docker-ce-cli

- containerd.io

- docker-buildx-plugin

- docker-compose-plugin

docker\_packages\_debian:

- docker-ce

- docker-ce-cli

- containerd.io

- docker-buildx-plugin

- docker-compose-plugin

handler/main.yml

- name: Restart Docker

systemd:

name: docker

state: restarted

meta/main.yml

galaxy\_info:

author: Amit

description: Ansible role to install Docker and display container status.

company: OW

license: MIT

min\_ansible\_version: 2.9

dependencies: []

Assignment

Publish the role

Git add,commit ,push and add role to galaxy

Create a playbook to test role