Deploy .war on hosts container with help of ansible-playbook

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# Build LoginWebApp.war on workspace and deploy it on hosts with Docker client

- hosts: devlinux

connection: ssh

user: rahul

become: yes

gather\_facts: yes

tasks:

- name: Install Docker

yum:

name: docker

state: present

- name: Start Docker

service:

name: docker

state: started

- name: Ensure target directory exists on remote host

file:

path: /mnt/project1/target

state: directory

- name: Copy WAR file to hosts

copy:

src: /mnt/project1/target/LoginWebApp.war

dest: /mnt/project1/target/LoginWebApp.war

- name: Create Docker container with Ubuntu and install dependencies

shell: |

docker kill c1 || true

docker system prune -a -f

docker run -itd --name c1 -p 80:8080 ubuntu bash

docker exec c1 apt update

docker exec c1 apt-get install -y openjdk-17-jdk wget unzip

docker exec c1 mkdir -p /mnt/servers

docker exec c1 bash -c "cd /mnt/servers && wget https://dlcdn.apache.org/tomcat/tomcat-10/v10.1.43/bin/apache-tomcat-10.1.43.zip"

docker exec c1 bash -c "cd /mnt/servers && unzip apache-tomcat-10.1.43.zip && rm apache-tomcat-10.1.43.zip"

docker exec c1 chmod -R 777 /mnt

- name: Copy WAR file into container's webapps directory

shell: |

docker cp /mnt/project1/target/LoginWebApp.war c1:/mnt/servers/apache-tomcat-10.1.43/webapps/LoginWebApp.war

- name: Start Tomcat inside the container

shell: |

docker exec -d c1 bash -c "/mnt/servers/apache-tomcat-10.1.43/bin/startup.sh"

