Run Ansible playbook with docker

Tar –

tar -tvf apache-tomcat-7.0.61.tar.gz

tar -xvf apache-tomcat-7.0.61.tar.gz

tar -cvzf /home/daksha/ansible\_demo/apache-tomcat-7.0.61.tar.gz apache-tomcat-7.0.61

check os

file /sbin/init

java home export JAVA\_HOME=/usr/local/java/jdk1.8.0\_111

root@10:/home/daksha/ansible\_demo# echo $JAVA\_HOME

set path

JAVA\_HOME=/usr/local/java/**jdk1.8.0\_111**  
JRE\_HOME=/usr/local/java/**jdk1.8.0\_111/jre**  
PATH=$PATH:$JRE\_HOME/bin:$JAVA\_HOME/bin  
export JAVA\_HOME  
export JRE\_HOME  
export PATH

sudo update-alternatives --install "/usr/bin/java" "java" "/usr/local/java/jdk1.8.0\_111/bin/java" 1

- shell: echo JAVA\_HOME is $JAVA\_HOME

environment:

JAVA\_HOME: /usr/local/java/jdk1.8.0\_111

<http://www.wikihow.com/Install-Oracle-Java-JDK-on-Ubuntu-Linux>

java install

tomcat install

run tomcat

deploy war

dockerfile

<https://github.com/rothgar/ansible-tomcat/blob/master/tasks/main.yml>

<https://github.com/ansible/ansible-examples/blob/master/tomcat-standalone/roles/tomcat/tasks/main.yml>

# Add ansible configuration

ADD /home/daksha/ansible\_demo/tomcat.yml

ADD /home/daksha/ansible\_demo/host

WORKDIR /home/daksha/ansible\_demo

# Run ansible using playbook

Ansible playbook

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- hosts: all

tasks:

- shell: echo JAVA\_HOME is $JAVA\_HOME

environment:

JAVA\_HOME: /usr/local/java/jdk1.8.0\_111

# - name: Extract archive

# command: /bin/tar xvf /home/daksha/ansible\_demo/apache-tomcat-7.0.61.tar.gz home/daksha/apache-tomcat-7.0.61

- name: Symlink install directory

file: src=/home/daksha/ansible\_demo/apache-tomcat-7.0.61 path=/usr/share/tomcat state=link

- name: Configure Tomcat server

template: src=/home/daksha/ansible\_demo/apache-tomcat-7.0.61/conf/server.xml dest=/usr/share/tomcat/conf/

notify: restart tomcat

- name: Configure Tomcat users

template: src=/home/daksha/ansible\_demo/apache-tomcat-7.0.61/conf/tomcat-users.xml dest=/usr/share/tomcat/conf/

notify: restart tomcat

- name: Install Tomcat init script

copy: src=/home/daksha/ansible\_demo/apache-tomcat-7.0.61/bin/setclasspath.sh dest=/etc/init.d/tomcat mode=0755

- name: Start Tomcat

command: /usr/share/tomcat/bin/startup.sh

dockerfile

FROM 10.242.138.121:5000/library/ubuntu:14.04

# Add ansible configuration

# Run ansible using playbook

#RUN apt-get update

ADD tomcat.yml /etc/ansible/tomcat.yml

ADD host /etc/ansible/hosts

WORKDIR /etc/ansible

RUN ansible-playbook tomcat.yml -c local

ENTRYPOINT ["ansible-playbook"]

Links

<http://everythingshouldbevirtual.com/docker-building-containers-using-ansible>

<http://blog.maestrano.com/baking-your-docker-images-with-ansible/>

<http://stackoverflow.com/questions/29201262/deploying-java-webapp-to-tomcat-8-running-in-docker-container>

<http://stackoverflow.com/questions/27719353/dockerfile-for-tomcat>