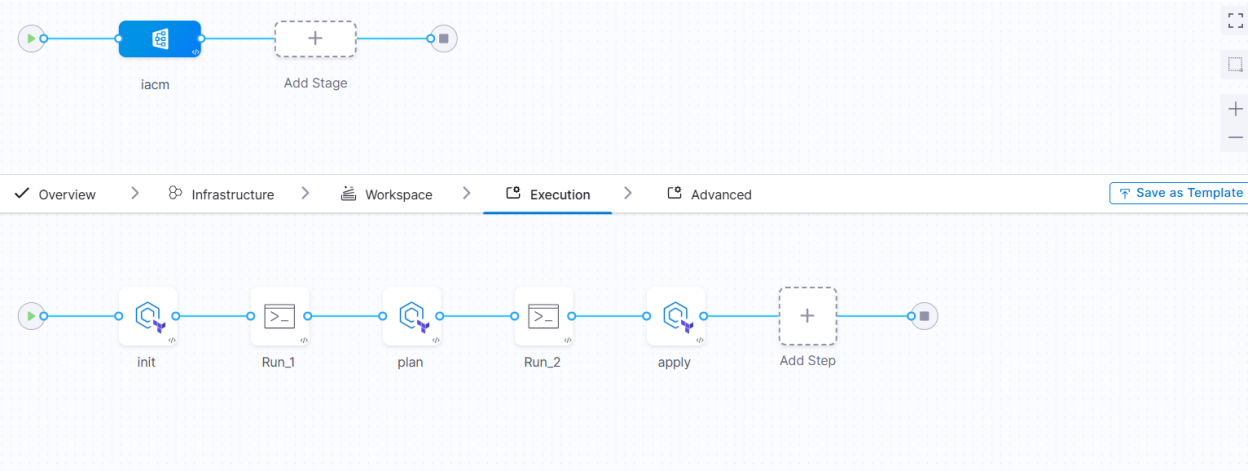
USE CASE 1
METHOD 1

PIPELINE 1: - For creating terraform code with was using delegate connected vm as infra

Delegate name : - docker-delegate-instance-1-ganesh
pipeline name: IACM-MIG-ANSIBLE-pipeline1-ganesh



Here I just create the mig template and two system form that mig

Here ssh key was initially created in vm which have delegate and these steps are run in that vm only

Run 1 and Run 2

```
ls -al
cp /root/.ssh/id_rsa.pub $PWD/
pwd
ls -al
```

this code we are just checking that ssh key is present or not

PIPELINE 2: we just build the docker image and push to dovker hub

Delegate name : - docker-delegate-instance-1-ganesh
pipeline name: CD-MIG-ANSIBLE-pipeline2-ganesh

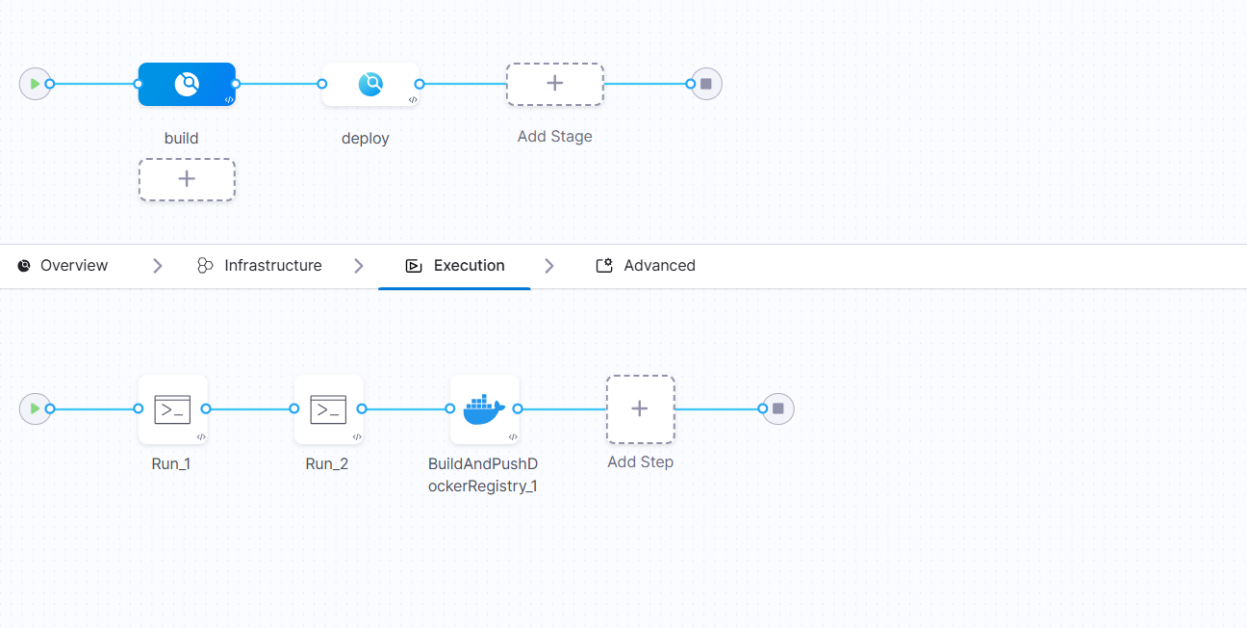
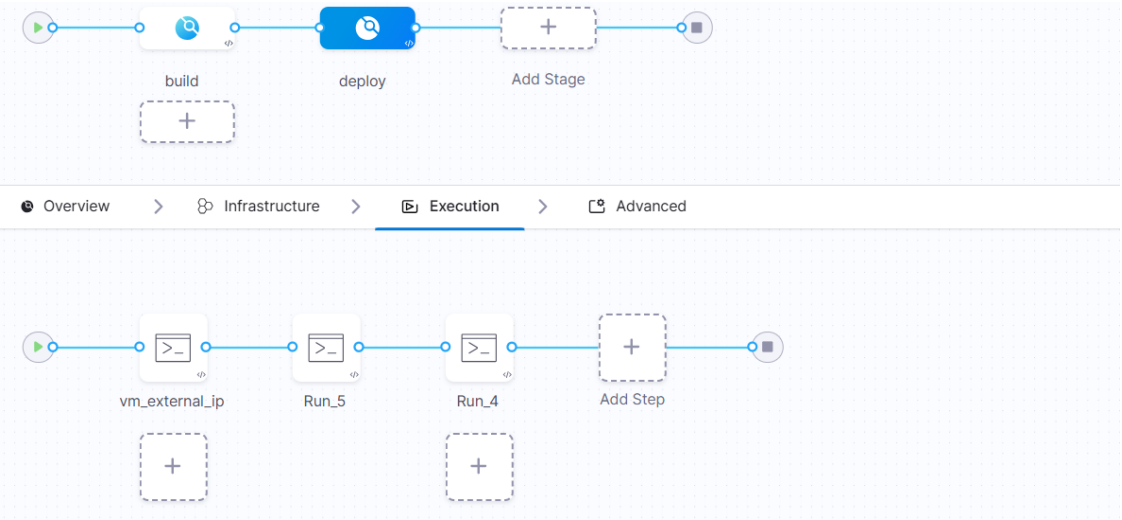


Image name: ganesh6498/harness-mig-java:latest

Stage 2 : with ansible install all the tools in that migs vms



STEP 1: to external ip’s

```
gcloud compute instances list   --filter="name~'^okay-.*'"    --
format="value(networkInterfaces.accessConfigs.natIP)" | tr -d "[]'"  >
/etc/ansible/hosts
cat /etc/ansible/hosts
```

here okay is the base_name or prefix name of vms created by mig

we get all the ip’s of that vms and store in /etc/ansible/hosts

step 2 : not working

step 3:

```
#!/bin/bash

# Fail on error
set -e

# === [1] Variables ===
# Replace with your actual playbook and VM user if different
ANSIBLE_DIR="/etc/ansible"
INVENTORY_FILE="$ANSIBLE_DIR/hosts"
ANSIBLE_CFG="$ANSIBLE_DIR/ansible.cfg"
PRIVATE_KEY_PATH="/root/.ssh/id_rsa"
VM_USER="ansible"



# === [4] Write Ansible config ===
cat <<EOF > "$ANSIBLE_CFG"
[defaults]
inventory = $INVENTORY_FILE
host_key_checking = False
retry_files_enabled = False
remote_user = $VM_USER
private_key_file = $PRIVATE_KEY_PATH
EOF

# === [5] Optional: Set environment to use this config ===
export ANSIBLE_CONFIG="$ANSIBLE_CFG"

# === [6] Run Ansible ping to test connection ===
ansible all -m ping
git clone https://github.com/ganesh-redy/mgi-instance-ansible-harness.git
cd  mgi-instance-ansible-harness
# === [7] Run your playbook ===
ansible-playbook ansible.yaml
```

here we can using the delegate installed system as local system know install

initially we do ssh-keygen
all the ansible path , private key path, remote_username, host_key_checking = false (important) there details re placed in ansible.cfg

the we export as ANSIBLE_CONFIG

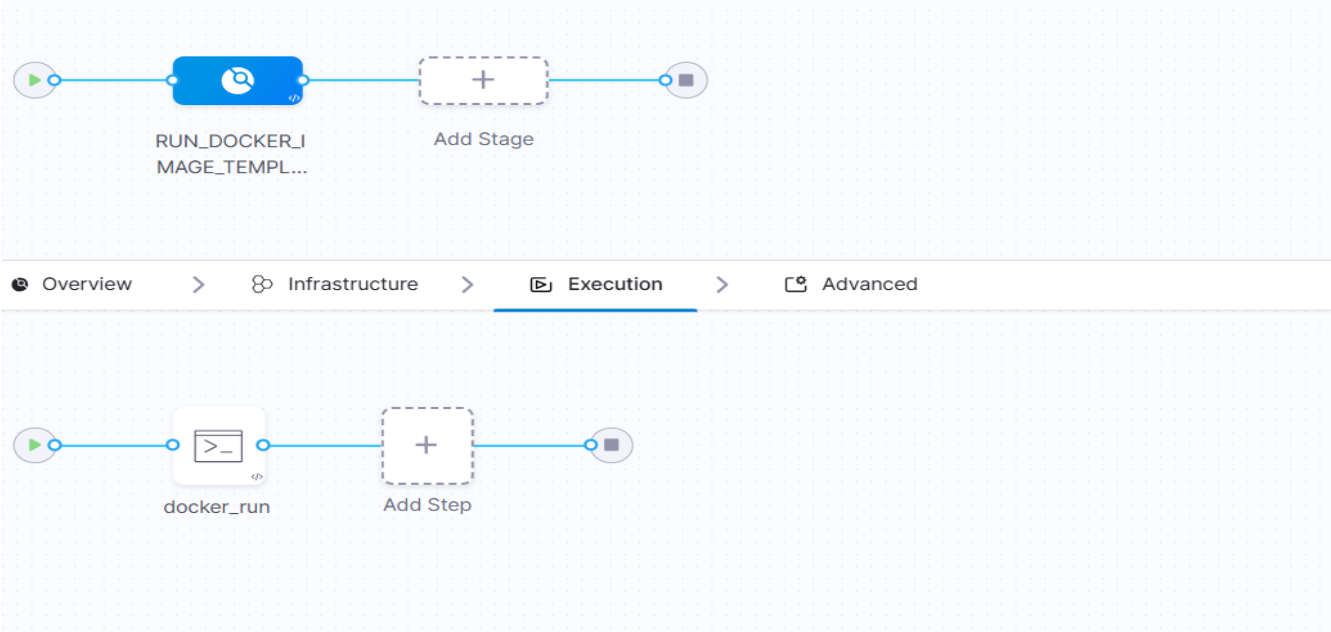
the we perform the ping to check the connection

next we run the play book and tools and delegate was installed in migs created system

delegate installed in mig system was docker-delegate-instances-ganesh

pipeline 3 :

delagete name docker-delegate-instances-ganesh



just we do docker run command to install the imag

here it has disadvantage is that 2 system have delegate with same name it will run in only one system