Proxmox Docker Template with Cloud-Init & Compose

This bundle includes:

- snippets/app-inline-userdata.yaml: cloud-init snippet with inline docker-compose

- snippets/app-fetch-userdata.yaml: cloud-init snippet that fetches docker-compose from URL

- provision\_compose\_clone.sh: helper script to clone from template and inject compose

# Usage

1. Copy `snippets/\*.yaml` to your Proxmox snippets storage (e.g. `/var/lib/vz/snippets`).

2. Copy `provision\_compose\_clone.sh` to your Proxmox host and `chmod +x` it.

3. Run:

./provision\_compose\_clone.sh 201 web01 ~/.ssh/id\_ed25519.pub myweb https://example.com/docker-compose.yml

The VM will boot, fetch or write the compose file, and auto-start it as a systemd service.

# Full Files

## snippets/app-inline-userdata.yaml

#cloud-config  
package\_update: true  
package\_upgrade: true  
packages:  
 - docker.io  
 - docker-compose  
runcmd:  
 - [ sh, -c, "docker compose -f /opt/app/docker-compose.yml up -d" ]  
write\_files:  
 - path: /opt/app/docker-compose.yml  
 permissions: '0644'  
 content: |  
 version: '3'  
 services:  
 hello:  
 image: hello-world

## snippets/app-fetch-userdata.yaml

#cloud-config  
package\_update: true  
package\_upgrade: true  
packages:  
 - docker.io  
 - docker-compose  
runcmd:  
 - [ sh, -c, "curl -fsSL https://example.com/docker-compose.yml -o /opt/app/docker-compose.yml" ]  
 - [ sh, -c, "docker compose -f /opt/app/docker-compose.yml up -d" ]

## provision\_compose\_clone.sh

#!/bin/bash  
# provision\_compose\_clone.sh <NEWID> <NEWHOSTNAME> <PUBKEYFILE> <APPNAME> <COMPOSE\_URL>  
set -e  
  
TEMPLATE\_ID=9000  
NEWID=$1  
NEWHOSTNAME=$2  
PUBKEYFILE=$3  
APPNAME=$4  
COMPOSE\_URL=$5  
  
qm clone $TEMPLATE\_ID $NEWID --name $NEWHOSTNAME  
qm set $NEWID --ciuser dockeruser --sshkey $PUBKEYFILE  
qm set $NEWID --ipconfig0 ip=dhcp  
qm set $NEWID --cicustom "user=local:snippets/app-fetch-userdata.yaml"  
qm start $NEWID