ASSIGNMENT 9 BY LAVIN CHOUDHARY

```
Fetched 8343 kB in 3s (3323 kB/s)
Reading package lists... Done
root@f9d1d05e4a44:/# apt-get install inetutils-ping
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libidn11 netbase
The following NEW packages will be installed:
  inetutils-ping libidn11 netbase
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 362 kB of archives.
After this operation, 718 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://deb.debian.org/debian buster/main amd64 netbase all 5.6 [19.4 kB]
Get:2 http://deb.debian.org/debian buster/main amd64 libidn11 amd64 1.33-2.2 [116 kB]
Get:3 http://deb.debian.org/debian buster/main amd64 inetutils-ping amd64 2:1.9.4-7 [226 kB]
Fetched 362 kB in 0s (2286 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package netbase.
(Reading database ... 7203 files and directories currently installed.)
Preparing to unpack .../archives/netbase_5.6_all.deb ...
Unpacking netbase (5.6) ...
Selecting previously unselected package libidn11:amd64.
Preparing to unpack .../libidn11_1.33-2.2_amd64.deb ...
Unpacking libidn11:amd64 (1.33-2.2) ...
Selecting previously unselected package inetutils-ping.
Preparing to unpack .../inetutils-ping_2%3a1.9.4-7_amd64.deb ...
Unpacking inetutils-ping (2:1.9.4-7) ...
Setting up libidn11:amd64 (1.33-2.2) ...
Setting up netbase (5.6) ...
Setting up inetutils-ping (2:1.9.4-7) ...
Processing triggers for libc-bin (2.28-10) ...
root@f9d1d05e4a44:/#
```

```
ubuntu@ip-172-31-47-219:~$
ubuntu@ip-172-31-47-219:~$ docker ps -a
CONTAINER ID    IMAGE         COMMAND                CREATED          STATUS          PORTS       NAMES
f9d1d05e4a44    nginx         "nginx -g 'daemon of…"  36 minutes ago   Up 36 minutes   80/tcp      nginx
_net
327399df7e91    nginx         "nginx -g 'daemon of…"  37 minutes ago   Up 37 minutes   80/tcp      nginx
_11
ubuntu@ip-172-31-47-219:~$
```

```
[ubuntu@ip-172-31-47-219: $
[ubuntu@ip-172-31-47-219: $
[ubuntu@ip-172-31-47-219: $
[ubuntu@ip-172-31-47-219: $ docker ps -a
CONTAINER ID       IMAGE            COMMAND                 CREATED          STATUS           PORTS         NAMES
f9d1d05e4a44       nginx            "nginx -g 'daemon of…"  38 minutes ago   Up 38 minutes    80/tcp        nginx
_net
327399df7e91       nginx            "nginx -g 'daemon of…"  39 minutes ago   Up 39 minutes    80/tcp        nginx
_11
[ubuntu@ip-172-31-47-219: $ docker exec -it nginx_net ping nginx_11
PING nginx_11 (172.26.0.3): 56 data bytes
64 bytes from 172.26.0.3: icmp_seq=0 ttl=64 time=0.086 ms
64 bytes from 172.26.0.3: icmp_seq=1 ttl=64 time=0.077 ms
64 bytes from 172.26.0.3: icmp_seq=2 ttl=64 time=0.077 ms
64 bytes from 172.26.0.3: icmp_seq=3 ttl=64 time=0.165 ms
64 bytes from 172.26.0.3: icmp_seq=4 ttl=64 time=0.076 ms
64 bytes from 172.26.0.3: icmp_seq=5 ttl=64 time=0.080 ms
64 bytes from 172.26.0.3: icmp_seq=6 ttl=64 time=0.079 ms
64 bytes from 172.26.0.3: icmp_seq=7 ttl=64 time=0.077 ms
64 bytes from 172.26.0.3: icmp_seq=8 ttl=64 time=0.077 ms
64 bytes from 172.26.0.3: icmp_seq=9 ttl=64 time=0.077 ms
64 bytes from 172.26.0.3: icmp_seq=10 ttl=64 time=0.073 ms
64 bytes from 172.26.0.3: icmp_seq=11 ttl=64 time=0.075 ms
64 bytes from 172.26.0.3: icmp_seq=12 ttl=64 time=0.075 ms
```

Home >

Microsoft.ContainerRegistry | Overview
Deployment

🔍 Search «

🗑 Delete   ⊘ Cancel   ⥍ Redeploy   ⬇ Download   🔄 Refresh

- 🔷 Overview
- 🖥 Inputs
- ☰ Outputs
- 📄 Template

✅ Your deployment is complete

Deployment name : Microsoft.ContainerRegistry   Start time   : 09/07/2024, 10:15:45
Subscription   : Azure for Students   Correlation ID : 585088e3-025c-43e7-9f4f-2e16...
Resource group   : test01

> Deployment details

∨ Next steps

  Go to resource

Give feedback

📝 Tell us about your experience with deployment

💲 Cost management
Get notified to stay within your budget
and prevent unexpected charges on your
bill.
Set up cost alerts >

🛡 Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

88°F
Mostly sunny

ENG
IN

10:16 AM
7/9/2024

myAzurecr9 | Repositories
Container registry

🔍 Search

⟳ Refresh ⋯

New to ACR, Artifact streaming helps pull images faster from AKS clusters. The 'Artifact streaming status' column shows which repositories are using this feature. Learn more

🔍 Search to filter repositories ...

Repositories ↑↓

mypthonapp   ⋯

Identity

Networking

Microsoft Defender for Cloud

Properties

Locks

Services

Repositories

Webhooks

Geo-replications

Tasks

Connected registries (Preview)

Cache

---

mypthonapp ⋯
Repository   ✕

⟳ Refresh ⟳ Start artifact streaming ⌕ Manage deleted artifacts 🗑 Delete repository

∧ Essentials

Repository	Tag count
mypthonapp	1
Last updated date	Manifest count
09/07/2024, 10:22 GMT+5:30	1

🔍 Search to filter tags ...

Tags ↑↓	Digest ↑↓	Last modified
latest	sha256:dbe4ffe8f450d3aa4ecf7b...	09/07/2024, 10:22 GMT+5:30 ⋯

```
Password:
Error: Password Required
azureuser@demo:~/pythonApp/pythonApp$ docker login myazurecr9.azurecr.io
Username: myAzurecr9
Password:
WARNING! Your password will be stored unencrypted in /home/azureuser/snap/docker/2915/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
azureuser@demo:~/pythonApp/pythonApp$ docker images
REPOSITORY     TAG       IMAGE ID       CREATED        SIZE
mypthonapp     latest    c9f6f5f2b258   12 minutes ago   63.9MB
azureuser@demo:~/pythonApp/pythonApp$ docker tag mypthonapp:latest myazurecr9.azurecr.io/mypthonapp
azureuser@demo:~/pythonApp/pythonApp$ docker images
REPOSITORY                         TAG      IMAGE ID       CREATED        SIZE
mypthonapp                         latest   c9f6f5f2b258   14 minutes ago   63.9MB
myazurecr9.azurecr.io/mypthonapp   latest   c9f6f5f2b258   14 minutes ago   63.9MB
azureuser@demo:~/pythonApp/pythonApp$ docker push myazurecr9.azurecr.io/mypthonapp
Using default tag: latest
The push refers to repository [myazurecr9.azurecr.io/mypthonapp]
f712c824d591: Pushed
24b4e989d2f9: Pushed
9186890c27a4: Pushed
597c7b1e1303: Pushed
37b715081be0: Pushed
74c37f08cc03: Pushed
56382ff635c1: Pushed
3748de9305b2: Pushed
cbc362a1c52c: Pushed
94e5f06ff8e3: Pushed
latest: digest: sha256:dbe4ffe8f450d3aa4ecf7bbf57506ee95938f6d8df5bd7b6e9c9436e888a57f2 size: 2406
azureuser@demo:~/pythonApp/pythonApp$ |
```

Screenshot 1:

ansible

- Overview
- Boards
- Repos
- Pipelines
  - Pipelines
  - Environments
  - Releases
  - Library
  - Task groups
  - Deployment groups
- Test Plans
- Artifacts

← Jobs in run #213
docker pipeline

Jobs

∨ Agent job 1 1m 12s
- Initialize job 2s
- Checkout dockerfile.gi... <1s
- buildAndPush 1m 8s
- Post-job: Checkout do... <1s
- Finalize Job <1s
- Report build status <1s

✓ Post-job: Checkout dockerfile.git@master to s   🔍 View raw log

```
1   Starting: Checkout dockerfile.git@master to s
2   ==========================================================================
3   Task        : Get sources
4   Description : Get sources from a repository. Supports Git, TfsVC, and SVN repositories.
5   Version     : 1.0.0
6   Author      : Microsoft
7   Help        : [More Information](https://go.microsoft.com/fwlink/?LinkId=798199)
8   ==========================================================================
9   Cleaning any cached credential from repository: dockerfile.git (Git)
10  Finishing: Checkout dockerfile.git@master to s
```

Screenshot 2:

ansible

- Overview
- Boards
- Repos
- Pipelines
  - Pipelines
  - Environments
  - Releases
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  - Deployment groups
- Test Plans
- Artifacts

docker pipeline

Tasks Variables Triggers   ☰ Summary ▷ Queue ···

Pipeline
Build pipeline

Get sources
⋈ dockerfile.git   ⟑ master

Agent job 1
☰ Run on agent

buildAndPush
Docker

Select path ✕

∨ ◈ dockerfile.git
  📄 Dockerfile

...a to image(s) ⓘ

OK   Cancel

Environment Variables ∨

Screenshot 3:

ansible

- Overview
- Boards
- Repos
- Pipelines
  - Pipelines
  - Environments
  - Releases
  - Library
  - Task groups
  - Deployment groups
- Test Plans
- Artifacts

docker pipeline

Tasks Variables Triggers Options Retention History   💾 Save & queue ∨   ↺ Discard   ☰ Summary ▷ Queue ···

Pipeline
Build pipeline   ···

Get sources
⋈ dockerfile.git   ⟑ master

Agent job 1   +
☰ Run on agent

Add tasks   ↺ Refresh   docker   ✕

🐳 **Docker**
Runs Docker commands

Docker
Build or push Docker images, login or logout, start or
stop containers, or run a Docker command   Add

Docker Deploy
Deploy single or multi-container Docker applications to
a variety of Azure resources

Docker CLI installer
Install Docker CLI on agent machine.

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Releases

Library

Task groups

Deployment groups

Test Plans

Artifacts

⊹ ⋯ > docker pipeline

Tasks Variables Triggers Options Retention History | 🖫 Save & queue ∨ 🕤 Discard ≡ Summary ▷ Queue ⋯

Pipeline
Build pipeline ⋯

☰ **Get sources**
⋈ dockerfile.git ⑂ master

Agent job 1
≣ Run on agent ＋

Name *
docker pipeline

Agent pool * ⓘ | Pool information | Manage ↗

Azure Pipelines ∨ ↻

Agent Specification *

vs2017-win2016 ∨

Parameters ⓘ

This pipeline doesn't have any pipeline parameters. Create them to share the most important settings between tasks and change them in one place.

Learn more ↗

Dockerfile ✎ Edit ⋮

Contents History Compare Blame

```
1  FROM debian:jessie-slim
2
3  RUN apt-get update                            && \
4      apt-get install -y --no-install-recommends   \
5          cowsay                                   \
6          screenfetch                          && \
7      rm -rf /var/lib/apt/lists/*
8
9  ENV PATH "$PATH:/usr/games"
10 CMD ["cowsay", "Yo, CMD !!"]
11
```