

ZooKeeper build with Ansible playbook

```
(ansible54) paul@oikos-dev:~/code/desa/kafka/ansible$ ansible-playbook -i env/desa zk-ensemble.yaml
```

```
PLAY [Zookeeper Ensemble] *****
```

```
TASK [Gathering Facts] *****
```

```
ok: [zkd3]
```

```
ok: [zkd2]
```

```
ok: [zkd1]
```

```
TASK [Remove ZooKeeper] *****
```

```
skipping: [zkd2]
```

```
skipping: [zkd3]
```

```
skipping: [zkd1]
```

```
TASK [ZooKeeper] *****
```

```
TASK [zookeeper-ensemble : Java prerequisite] *****
```

```
changed: [zkd1]
```

```
changed: [zkd3]
```

```
changed: [zkd2]
```

```
TASK [zookeeper-ensemble : ZooKeeper group] *****
```

```
changed: [zkd1]
```

```
changed: [zkd3]
```

```
changed: [zkd2]
```

```
TASK [zookeeper-ensemble : ZooKeeper user] *****
```

```
changed: [zkd3]
```

```
changed: [zkd1]
```

```
changed: [zkd2]
```

```
TASK [zookeeper-ensemble : ZooKeeper directories] *****
```

```
changed: [zkd1] => (item=/data1/zookeeper)
```

```
changed: [zkd2] => (item=/data1/zookeeper)
```

```
changed: [zkd3] => (item=/data1/zookeeper)
```

```
changed: [zkd3] => (item=/opt/apache-zookeeper-3.6.3-bin)
```

```
changed: [zkd2] => (item=/opt/apache-zookeeper-3.6.3-bin)
```

```
changed: [zkd1] => (item=/opt/apache-zookeeper-3.6.3-bin)
```

```
TASK [zookeeper-ensemble : ZooKeeper install] *****
```

```
changed: [zkd1]
```

```
changed: [zkd3]
```

```
changed: [zkd2]
```

```
TASK [zookeeper-ensemble : ZooKeeper symlink] *****
```

```
changed: [zkd1]
```

```
changed: [zkd2]
```

```
changed: [zkd3]
```

```
TASK [zookeeper-ensemble : ZooKeeper config file] *****
```

```
changed: [zkd3]
```

```
changed: [zkd1]
```

```
changed: [zkd2]
```

```
TASK [zookeeper-ensemble : ZooKeeper node id] *****
```

```
changed: [zkd1]
```

```
changed: [zkd3]
```

```

changed: [zkd2]

TASK [zookeeper-ensemble : ZooKeeper service file] *****
changed: [zkd2]
changed: [zkd1]
changed: [zkd3]

TASK [zookeeper-ensemble : ZooKeeper service started] *****
changed: [zkd1]
changed: [zkd3]
changed: [zkd2]

RUNNING HANDLER [zookeeper-ensemble : Restart ZooKeeper] *****
changed: [zkd1]
changed: [zkd3]
changed: [zkd2]

PLAY RECAP *****
zkd1                : ok=12   changed=11   unreachable=0   failed=0
skipped=1    rescued=0   ignored=0
zkd2                : ok=12   changed=11   unreachable=0   failed=0
skipped=1    rescued=0   ignored=0
zkd3                : ok=12   changed=11   unreachable=0   failed=0
skipped=1    rescued=0   ignored=0

```

Kafka cluster build with Ansible playbook

```

(ansible54) paul@oikos-dev:~/code/desa/kafka/ansible$ ansible-playbook -i env/desa
kafka-cluster.yaml

```

```

PLAY [Kafka broker cluster] *****

TASK [Gathering Facts] *****
ok: [desa3]
ok: [desa1]
ok: [desa2]

TASK [Remove Kafka broker] *****
skipping: [desa1]
skipping: [desa2]
skipping: [desa3]

TASK [Remove Kafka core] *****
skipping: [desa1]
skipping: [desa2]
skipping: [desa3]

TASK [Kafka core] *****

TASK [kafka-core : Java prerequisite] *****
changed: [desa3]
changed: [desa1]
changed: [desa2]

TASK [kafka-core : Ubuntu needs acl package] *****
changed: [desa2]
changed: [desa1]
changed: [desa3]

TASK [kafka-core : Kafka group] *****

```

changed: [desa1]
changed: [desa2]
changed: [desa3]

TASK [kafka-core : Kafka user] *****
changed: [desa3]
changed: [desa1]
changed: [desa2]

TASK [kafka-core : Kafka directories] *****
changed: [desa2] => (item=/data1/kafka)
changed: [desa1] => (item=/data1/kafka)
changed: [desa3] => (item=/data1/kafka)
changed: [desa1] => (item=/opt/kafka_2.13-3.3.1)
changed: [desa2] => (item=/opt/kafka_2.13-3.3.1)
changed: [desa3] => (item=/opt/kafka_2.13-3.3.1)

TASK [kafka-core : Kafka install] *****
changed: [desa2]
changed: [desa1]
changed: [desa3]

TASK [kafka-core : Kafka symlink] *****
changed: [desa1]
changed: [desa2]
changed: [desa3]

TASK [Kafka broker] *****

TASK [kafka-cluster : Check underlying Kafka change] *****
ok: [desa1]
ok: [desa2]
ok: [desa3]

TASK [kafka-cluster : Kafka security config variables] *****
ok: [desa1]
ok: [desa2]
ok: [desa3]

TASK [kafka-cluster : Kafka security config tasks] *****
included: /home/paul/code/desa/kafka/ansible/roles/kafka-cluster/tasks/kafka-security-scram.yaml for desa1, desa2, desa3

TASK [kafka-cluster : Kafka server JAAS conf file] *****
changed: [desa1]
changed: [desa3]
changed: [desa2]

TASK [kafka-cluster : Create SCRAM users] *****
skipping: [desa2] => (item=admin)
skipping: [desa2] => (item=schema-registry)
skipping: [desa2] => (item=app-producer)
skipping: [desa3] => (item=admin)
skipping: [desa3] => (item=schema-registry)
skipping: [desa2] => (item=app-consumer)
skipping: [desa3] => (item=app-producer)
skipping: [desa3] => (item=app-consumer)
changed: [desa1] => (item=admin)
changed: [desa1] => (item=schema-registry)
changed: [desa1] => (item=app-producer)
changed: [desa1] => (item=app-consumer)

TASK [kafka-cluster : Kafka client config file] *****

```

changed: [desa1]
changed: [desa2]
changed: [desa3]

TASK [kafka-cluster : Kafka broker config file] *****
changed: [desa2]
changed: [desa1]
changed: [desa3]

TASK [kafka-cluster : Kafka broker service file] *****
changed: [desa1]
changed: [desa2]
changed: [desa3]

TASK [kafka-cluster : Kafka broker service started] *****
changed: [desa1]
changed: [desa3]
changed: [desa2]

RUNNING HANDLER [kafka-core : Kafka changed flag] *****
changed: [desa3]
changed: [desa1]
changed: [desa2]

RUNNING HANDLER [kafka-cluster : Restart Kafka broker] *****
changed: [desa2]
changed: [desa3]
changed: [desa1]

PLAY RECAP *****
desa1                : ok=19   changed=15   unreachable=0   failed=0
skipped=2           rescued=0   ignored=0
desa2                : ok=18   changed=14   unreachable=0   failed=0
skipped=3           rescued=0   ignored=0
desa3                : ok=18   changed=14   unreachable=0   failed=0
skipped=3           rescued=0   ignored=0

```

Schema Registry build with Ansible playbook

```
(ansible54) paul@oikos-dev:~/code/desa/kafka/ansible$ ansible-playbook -i env/desa schema-registry.yaml
```

```

PLAY [Confluent schema registry] *****

TASK [Gathering Facts] *****
ok: [srd1]

TASK [Remove schema registry] *****
skipping: [srd1]

TASK [Schema registry] *****

TASK [schema-registry : Confluent apt repository key] *****
changed: [srd1]

TASK [schema-registry : Confluent apt repository] *****
changed: [srd1]

TASK [schema-registry : Java prerequisite] *****
changed: [srd1]

TASK [schema-registry : Schema registry apt package] *****

```

```

changed: [srd1]

TASK [schema-registry : Kafka security config variables] *****
ok: [srd1]

TASK [schema-registry : Schema registry config file] *****
changed: [srd1]

TASK [schema-registry : Schema registry service started] *****
changed: [srd1]

RUNNING HANDLER [schema-registry : Restart schema registry] *****
changed: [srd1]

PLAY RECAP *****
srd1 : ok=9 changed=7 unreachable=0 failed=0
skipped=1 rescued=0 ignored=0

```

Kafka topic creation with Ansible playbook

```

(ansible54) paul@oikos-dev:~/code/desa/kafka/app/ansible$ ansible-playbook -i "desal,"
-e "ansible_user=npqlab" kafka-topic.yaml

```

```

PLAY [Create the fake_data topic] *****

TASK [Create the Kafka topic] *****
changed: [desal]

TASK [debug] *****
ok: [desal] => {
  "result": {
    "ansible_facts": {
      "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": true,
    "cmd": "/opt/kafka/bin/kafka-topics.sh --bootstrap-server desal:9092 --
command-config ~/.kafka-config --create --topic fake-data --partitions 30 --
replication-factor 3 --if-not-exists --config compression.type=snappy --config
retention.bytes=1342177280\n",
    "delta": "0:00:05.280553",
    "end": "2022-12-23 15:27:23.848978",
    "failed": false,
    "msg": "",
    "rc": 0,
    "start": "2022-12-23 15:27:18.568425",
    "stderr": "",
    "stderr_lines": [],
    "stdout": "Created topic fake-data.",
    "stdout_lines": [
      "Created topic fake-data."
    ]
  }
}

PLAY RECAP *****
desal : ok=2 changed=1 unreachable=0 failed=0
skipped=0 rescued=0 ignored=0

```

Docker build for producer app

```
paul@oikos-dev:~/code/desa/kafka/app/producer$ ./docker_build.sh v0.1.1
+ docker build -t
dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed .
Sending build context to Docker daemon 14.34kB
Step 1/5 : FROM python:3.8.15-buster
---> bff11a1b30ba
Step 2/5 : WORKDIR /app
---> Running in 84d706d2cbcf
Removing intermediate container 84d706d2cbcf
---> 4ef2ecb55ae1
Step 3/5 : COPY *.py k8s_probe.sh requirements.txt /app/
---> fb00fd4b3241
Step 4/5 : RUN pip3 install -r /app/requirements.txt
---> Running in 170edd112d49
Collecting certifi==2022.12.7
  Downloading certifi-2022.12.7-py3-none-any.whl (155 kB)
  _____ 155.3/155.3 KB
2.4 MB/s eta 0:00:00
Collecting charset-normalizer==2.1.1
  Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Collecting confluent-kafka==1.9.2
  Downloading confluent_kafka-1.9.2-cp38-cp38-
manylinux_2_17_x86_64.manylinux2014_x86_64.whl (3.1 MB)
  _____ 3.1/3.1 MB
9.1 MB/s eta 0:00:00
Collecting Faker==15.3.4
  Downloading Faker-15.3.4-py3-none-any.whl (1.6 MB)
  _____ 1.6/1.6 MB
6.6 MB/s eta 0:00:00
Collecting fastavro==1.7.0
  Downloading fastavro-1.7.0-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl
(2.7 MB)
  _____ 2.7/2.7 MB
8.8 MB/s eta 0:00:00
Collecting idna==3.4
  Downloading idna-3.4-py3-none-any.whl (61 kB)
  _____ 61.5/61.5 KB
7.6 MB/s eta 0:00:00
Collecting python-dateutil==2.8.2
  Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
  _____ 247.7/247.7 KB
7.8 MB/s eta 0:00:00
Collecting requests==2.28.1
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
  _____ 62.8/62.8 KB
1.6 MB/s eta 0:00:00
Collecting six==1.16.0
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting urllib3==1.26.13
  Downloading urllib3-1.26.13-py2.py3-none-any.whl (140 kB)
  _____ 140.6/140.6 KB
2.8 MB/s eta 0:00:00
Installing collected packages: confluent-kafka, urllib3, six, idna, fastavro, charset-
normalizer, certifi, requests, python-dateutil, Faker
Successfully installed Faker-15.3.4 certifi-2022.12.7 charset-normalizer-2.1.1
confluent-kafka-1.9.2 fastavro-1.7.0 idna-3.4 python-dateutil-2.8.2 requests-2.28.1
six-1.16.0 urllib3-1.26.13
WARNING: Running pip as the 'root' user can result in broken permissions and
conflicting behaviour with the system package manager. It is recommended to use a
virtual environment instead: https://pip.pypa.io/warnings/venv
```

WARNING: You are using pip version 22.0.4; however, version 22.3.1 is available.
You should consider upgrading via the `'/usr/local/bin/python -m pip install --upgrade pip'` command.

Removing intermediate container 170edd112d49

---> e1804eac4ab5

Step 5/5 : ENTRYPOINT ["python", "-u", "produce_fake_data.py", "kubernetes"]

---> Running in 6dd5aa8bca3d

Removing intermediate container 6dd5aa8bca3d

---> 1721643150da

Successfully built 1721643150da

Successfully tagged

dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed

+ '[' 0 == 0 ']';

+ docker tag

dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed

dregl.lab.newpathexchange.com/desa/producer:latest

+ '[' ' !' -z v0.1.1 ']';

+ docker tag

dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed

dregl.lab.newpathexchange.com/desa/producer:v0.1.1

+ docker push dregl.lab.newpathexchange.com/desa/producer --all-tags

The push refers to repository [dregl.lab.newpathexchange.com/desa/producer]

729c20b74eb9: Pushed

a0fa62f44dee: Pushed

e67179bcbb86: Pushed

812c29b2455d: Layer already exists

55bdb32e14d8: Layer already exists

811c6ba63ed8: Layer already exists

a0520480c038: Layer already exists

36d4a190a4f6: Layer already exists

9cfc4aa8768a: Layer already exists

ada8cfae898c: Layer already exists

7a0f5beec8b3: Layer already exists

f0a87eb98d2a: Layer already exists

50045f7321ba18eccc2e933366ee2078cf8a0ed: digest:

sha256:5581c5951aa5f832693cc344da2e47b6f177bc2c75c18dfed267a21d75fbdbfd size: 2845

729c20b74eb9: Layer already exists

a0fa62f44dee: Layer already exists

e67179bcbb86: Layer already exists

812c29b2455d: Layer already exists

55bdb32e14d8: Layer already exists

811c6ba63ed8: Layer already exists

a0520480c038: Layer already exists

36d4a190a4f6: Layer already exists

9cfc4aa8768a: Layer already exists

ada8cfae898c: Layer already exists

7a0f5beec8b3: Layer already exists

f0a87eb98d2a: Layer already exists

latest: digest:

sha256:5581c5951aa5f832693cc344da2e47b6f177bc2c75c18dfed267a21d75fbdbfd size: 2845

729c20b74eb9: Layer already exists

a0fa62f44dee: Layer already exists

e67179bcbb86: Layer already exists

812c29b2455d: Layer already exists

55bdb32e14d8: Layer already exists

811c6ba63ed8: Layer already exists

a0520480c038: Layer already exists

36d4a190a4f6: Layer already exists

9cfc4aa8768a: Layer already exists

ada8cfae898c: Layer already exists

7a0f5beec8b3: Layer already exists

f0a87eb98d2a: Layer already exists

```

v0.1.1: digest:
sha256:5581c5951aa5f832693cc344da2e47b6f177bc2c75c18dfed267a21d75fbdbfd size: 2845
+ &apos;[&apos; 0 == 0 &apos;]&apos;
+ docker rmi dregl.lab.newpathexchange.com/desa/producer:latest
Untagged: dregl.lab.newpathexchange.com/desa/producer:latest
+ docker rmi
dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed
Untagged:
dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed
+ &apos;[&apos; &apos; !&apos; -z v0.1.1 &apos;]&apos;
+ docker rmi dregl.lab.newpathexchange.com/desa/producer:v0.1.1
Untagged: dregl.lab.newpathexchange.com/desa/producer:v0.1.1
Untagged:
dregl.lab.newpathexchange.com/desa/producer@sha256:5581c5951aa5f832693cc344da2e47b6f17
7bc2c75c18dfed267a21d75fbdbfd
Deleted: sha256:1721643150dae38418f37950e49c1e698235ff358337484cb52ff7a1acc02d77
Deleted: sha256:e1804eac4ab5afc7cda30170e1381d950a84d16c3fd310c8bfca7c495efe088e
Deleted: sha256:8906f6debd1adfe208257e0c43c2ac532de08fb36423b8d8c481d4b56bc75de
Deleted: sha256:fb00fd4b32418132c47fbb0335dde25e5a5cb318e2748cb4a170b203557e7050
Deleted: sha256:9ec820861db31e54f7a95430ff4609c51c10f2da887506a6f1a06aeefb62403d
Deleted: sha256:4ef2ecb55ae1f04088039c34f050f06d037bde40d31519efb3a5021141fbcddc
Deleted: sha256:04db02b7b894681967854c945515fcdffff39a58bfc3f6d4bdd69a5ed26e71c2

```

Docker build for consumer app

```

paul@oikos-dev:~/code/desa/kafka/app/producer$ ./docker_build.sh v0.1.1
+ docker build -t
dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed .
Sending build context to Docker daemon 14.34kB
Step 1/5 : FROM python:3.8.15-buster
--> bff11a1b30ba
Step 2/5 : WORKDIR /app
--> Running in 84d706d2cbcf
Removing intermediate container 84d706d2cbcf
--> 4ef2ecb55ae1
Step 3/5 : COPY *.py k8s_probe.sh requirements.txt /app/
--> fb00fd4b3241
Step 4/5 : RUN pip3 install -r /app/requirements.txt
--> Running in 170edd112d49
Collecting certifi==2022.12.7
  Downloading certifi-2022.12.7-py3-none-any.whl (155 kB)
  2.4 MB/s eta 0:00:00
Collecting charset-normalizer==2.1.1
  Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Collecting confluent-kafka==1.9.2
  Downloading confluent_kafka-1.9.2-cp38-cp38-
manylinux_2_17_x86_64.manylinux2014_x86_64.whl (3.1 MB)
  9.1 MB/s eta 0:00:00
Collecting Faker==15.3.4
  Downloading Faker-15.3.4-py3-none-any.whl (1.6 MB)
  6.6 MB/s eta 0:00:00
Collecting fastavro==1.7.0
  Downloading fastavro-1.7.0-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl
(2.7 MB)
  8.8 MB/s eta 0:00:00
Collecting idna==3.4
  Downloading idna-3.4-py3-none-any.whl (61 kB)

```



```
7.6 MB/s eta 0:00:00                                61.5/61.5 KB  
Collecting python-dateutil==2.8.2  
    Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)  


---

247.7/247.7 KB  
7.8 MB/s eta 0:00:00  
Collecting requests==2.28.1  
    Downloading requests-2.28.1-py3-none-any.whl (62 kB)  


---

62.8/62.8 KB  
1.6 MB/s eta 0:00:00  
Collecting six==1.16.0  
    Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)  
Collecting urllib3==1.26.13  
    Downloading urllib3-1.26.13-py2.py3-none-any.whl (140 kB)  


---

140.6/140.6 KB  
2.8 MB/s eta 0:00:00  
Installing collected packages: confluent-kafka, urllib3, six, idna, fastavro, charset-normalizer, certifi, requests, python-dateutil, Faker  
Successfully installed Faker-15.3.4 certifi-2022.12.7 charset-normalizer-2.1.1  
confluent-kafka-1.9.2 fastavro-1.7.0 idna-3.4 python-dateutil-2.8.2 requests-2.28.1  
six-1.16.0 urllib3-1.26.13  
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv  
WARNING: You are using pip version 22.0.4; however, version 22.3.1 is available.  
You should consider upgrading via the '/usr/local/bin/python -m pip install --upgrade pip' command.  
Removing intermediate container 170edd112d49  
----> e1804eac4ab5  
Step 5/5 : ENTRYPOINT ["python", "-u", "produce_fake_data.py", "kubernetes"]  
----> Running in 6dd5aa8bca3d  
Removing intermediate container 6dd5aa8bca3d  
----> 1721643150da  
Successfully built 1721643150da  
Successfully tagged  
dreg1.lab.newpathexchange.com/desa/producer:50045f7321ba18eccca2e933366ee2078cf8a0ed  
+ &'[]'; 0 == 0 &'];&  
+ docker tag  
dreg1.lab.newpathexchange.com/desa/producer:50045f7321ba18eccca2e933366ee2078cf8a0ed  
dreg1.lab.newpathexchange.com/desa/producer:latest  
+ &'[]'; &'!&; -z v0.1.1 &'];&  
+ docker tag  
dreg1.lab.newpathexchange.com/desa/producer:50045f7321ba18eccca2e933366ee2078cf8a0ed  
dreg1.lab.newpathexchange.com/desa/producer:v0.1.1  
+ docker push dreg1.lab.newpathexchange.com/desa/producer --all-tags  
The push refers to repository [dreg1.lab.newpathexchange.com/desa/producer]  
729c20b74eb9: Pushed  
a0fa62f44dee: Pushed  
e67179bcbb86: Pushed  
812c29b2455d: Layer already exists  
55bdb32e14d8: Layer already exists  
811c6ba63ed8: Layer already exists  
a0520480c038: Layer already exists  
36d4a190a4f6: Layer already exists  
9cfc4aa8768a: Layer already exists  
ada8cfae898c: Layer already exists  
7a0f5beec8b3: Layer already exists  
f0a87eb98d2a: Layer already exists  
50045f7321ba18eccca2e933366ee2078cf8a0ed: digest:  
sha256:5581c5951aa5f832693cc344da2e47b6f177bc2c75c18dfed267a21d75fbdbfd size: 2845  
729c20b74eb9: Layer already exists  
a0fa62f44dee: Layer already exists
```

```

e67179bcbb86: Layer already exists
812c29b2455d: Layer already exists
55bdb32e14d8: Layer already exists
811c6ba63ed8: Layer already exists
a0520480c038: Layer already exists
36d4a190a4f6: Layer already exists
9cfc4aa8768a: Layer already exists
ada8cfae898c: Layer already exists
7a0f5beec8b3: Layer already exists
f0a87eb98d2a: Layer already exists
latest: digest:
sha256:5581c5951aa5f832693cc344da2e47b6f177bc2c75c18dfed267a21d75fbdbfd size: 2845
729c20b74eb9: Layer already exists
a0fa62f44dee: Layer already exists
e67179bcbb86: Layer already exists
812c29b2455d: Layer already exists
55bdb32e14d8: Layer already exists
811c6ba63ed8: Layer already exists
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9cfc4aa8768a: Layer already exists
ada8cfae898c: Layer already exists
7a0f5beec8b3: Layer already exists
f0a87eb98d2a: Layer already exists
v0.1.1: digest:
sha256:5581c5951aa5f832693cc344da2e47b6f177bc2c75c18dfed267a21d75fbdbfd size: 2845
+ '[:&apos;[:&apos; 0 == 0 &apos;:]&apos;
+ docker rmi dregl.lab.newpathexchange.com/desa/producer:latest
Untagged: dregl.lab.newpathexchange.com/desa/producer:latest
+ docker rmi
dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed
Untagged:
dregl.lab.newpathexchange.com/desa/producer:50045f7321ba18eccc2e933366ee2078cf8a0ed
+ '[:&apos;[:&apos; &apos;:&apos;:&apos; -z v0.1.1 &apos;:]&apos;
+ docker rmi dregl.lab.newpathexchange.com/desa/producer:v0.1.1
Untagged: dregl.lab.newpathexchange.com/desa/producer:v0.1.1
Untagged:
dregl.lab.newpathexchange.com/desa/producer@sha256:5581c5951aa5f832693cc344da2e47b6f17
7bc2c75c18dfed267a21d75fbdbfd
Deleted: sha256:1721643150dae38418f37950e49c1e698235ff358337484cb52ff7a1acc02d77
Deleted: sha256:e1804eac4ab5afc7cda30170e1381d950a84d16c3fd310c8bfca7c495efe088e
Deleted: sha256:8906f6debd1adfe208257e0c43c2ac532de08fb36423b8d8c481d4b56bc75de
Deleted: sha256:fb00fd4b32418132c47fbb0335dde25e5a5cb318e2748cb4a170b203557e7050
Deleted: sha256:9ec820861db31e54f7a95430ff4609c51c10f2da887506a6f1a06aeefb62403d
Deleted: sha256:4ef2ecb55ae1f04088039c34f050f06d037bde40d31519efb3a5021141fbcddc
Deleted: sha256:04db02b7b894681967854c945515fcdffff39a58bfc3f6d4bdd69a5ed26e71c2
(ansible54) paul@oikos-dev:~/code/desa/kafka/app/producer$ cd ../consumer/
(ansible54) paul@oikos-dev:~/code/desa/kafka/app/consumer$ ./docker_build.sh
+ docker build -t
dregl.lab.newpathexchange.com/desa/consumer:50045f7321ba18eccc2e933366ee2078cf8a0ed .
Sending build context to Docker daemon 12.8kB
Step 1/5 : FROM python:3.8.15-buster
--> bff11a1b30ba
Step 2/5 : WORKDIR /app
--> Running in 1b302ddd4945
Removing intermediate container 1b302ddd4945
--> 4146d012758d
Step 3/5 : COPY *.py k8s_probe.sh requirements.txt /app/
--> 01fecbe05a77
Step 4/5 : RUN pip3 install -r /app/requirements.txt
--> Running in 41c3ea602bea
^C
(ansible54) paul@oikos-dev:~/code/desa/kafka/app/consumer$ ./docker_build.sh v0.1.1

```

```

+ docker build -t
dregl1.lab.newpathexchange.com/desa/consumer:50045f7321ba18eccc2e933366ee2078cf8a0ed .
Sending build context to Docker daemon 12.8kB
Step 1/5 : FROM python:3.8.15-buster
---> bff11a1b30ba
Step 2/5 : WORKDIR /app
---> Using cache
---> 4146d012758d
Step 3/5 : COPY *.py k8s_probe.sh requirements.txt /app/
---> Using cache
---> 01fecbe05a77
Step 4/5 : RUN pip3 install -r /app/requirements.txt
---> Running in b3bc0a053826
Collecting certifi==2022.12.7
  Downloading certifi-2022.12.7-py3-none-any.whl (155 kB)
----- 155.3/155.3 KB
1.5 MB/s eta 0:00:00
Collecting charset-normalizer==2.1.1
  Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Collecting confluent-kafka==1.9.2
  Downloading confluent_kafka-1.9.2-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (3.1 MB)
----- 3.1/3.1 MB
8.0 MB/s eta 0:00:00
Collecting fastavro==1.7.0
  Downloading fastavro-1.7.0-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (2.7 MB)
----- 2.7/2.7 MB
7.6 MB/s eta 0:00:00
Collecting idna==3.4
  Downloading idna-3.4-py3-none-any.whl (61 kB)
----- 61.5/61.5 KB
5.5 MB/s eta 0:00:00
Collecting requests==2.28.1
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
----- 62.8/62.8 KB
1.8 MB/s eta 0:00:00
Collecting urllib3==1.26.13
  Downloading urllib3-1.26.13-py2.py3-none-any.whl (140 kB)
----- 140.6/140.6 KB
5.6 MB/s eta 0:00:00
Installing collected packages: confluent-kafka, urllib3, idna, fastavro, charset-normalizer, certifi, requests
Successfully installed certifi-2022.12.7 charset-normalizer-2.1.1 confluent-kafka-1.9.2 fastavro-1.7.0 idna-3.4 requests-2.28.1 urllib3-1.26.13
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
WARNING: You are using pip version 22.0.4; however, version 22.3.1 is available. You should consider upgrading via the 'pip install --upgrade pip' command.
Removing intermediate container b3bc0a053826
---> 370f9d9d0aa5
Step 5/5 : ENTRYPOINT ["python", "-u", "consume_fake_data.py", "kubernetes"]
---> Running in da54109a8df4
Removing intermediate container da54109a8df4
---> b5813d0d61eb
Successfully built b5813d0d61eb
Successfully tagged
dregl1.lab.newpathexchange.com/desa/consumer:50045f7321ba18eccc2e933366ee2078cf8a0ed
+ '[' 0 == 0 ']'

```

```
+ docker tag
dregl1.lab.newpathexchange.com/desa/consumer:50045f7321ba18eccc2e933366ee2078cf8a0ed
dregl1.lab.newpathexchange.com/desa/consumer:latest
+ &apos;[&apos; &apos; !&apos; -z v0.1.1 &apos;]&apos;
+ docker tag
dregl1.lab.newpathexchange.com/desa/consumer:50045f7321ba18eccc2e933366ee2078cf8a0ed
dregl1.lab.newpathexchange.com/desa/consumer:v0.1.1
+ docker push dregl1.lab.newpathexchange.com/desa/consumer --all-tags
The push refers to repository [dregl1.lab.newpathexchange.com/desa/consumer]
ea555e63ddf7: Pushed
daald02ed5d4: Pushed
78b0a3cf8618: Pushed
812c29b2455d: Layer already exists
55bdb32e14d8: Layer already exists
811c6ba63ed8: Layer already exists
a0520480c038: Layer already exists
36d4a190a4f6: Layer already exists
9cfc4aa8768a: Layer already exists
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7a0f5beec8b3: Layer already exists
f0a87eb98d2a: Layer already exists
50045f7321ba18eccc2e933366ee2078cf8a0ed: digest:
sha256:415dae6c45039079cb272f6fe47366cea2ae5d745d0f97348d3f28287014f997 size: 2845
ea555e63ddf7: Layer already exists
daald02ed5d4: Layer already exists
78b0a3cf8618: Layer already exists
812c29b2455d: Layer already exists
55bdb32e14d8: Layer already exists
811c6ba63ed8: Layer already exists
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9cfc4aa8768a: Layer already exists
ada8cfae898c: Layer already exists
7a0f5beec8b3: Layer already exists
f0a87eb98d2a: Layer already exists
latest: digest:
sha256:415dae6c45039079cb272f6fe47366cea2ae5d745d0f97348d3f28287014f997 size: 2845
ea555e63ddf7: Layer already exists
daald02ed5d4: Layer already exists
78b0a3cf8618: Layer already exists
812c29b2455d: Layer already exists
55bdb32e14d8: Layer already exists
811c6ba63ed8: Layer already exists
a0520480c038: Layer already exists
36d4a190a4f6: Layer already exists
9cfc4aa8768a: Layer already exists
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7a0f5beec8b3: Layer already exists
f0a87eb98d2a: Layer already exists
v0.1.1: digest:
sha256:415dae6c45039079cb272f6fe47366cea2ae5d745d0f97348d3f28287014f997 size: 2845
+ &apos;[&apos; 0 == 0 &apos;]&apos;
+ docker rmi dregl1.lab.newpathexchange.com/desa/consumer:latest
Untagged: dregl1.lab.newpathexchange.com/desa/consumer:latest
+ docker rmi
dregl1.lab.newpathexchange.com/desa/consumer:50045f7321ba18eccc2e933366ee2078cf8a0ed
Untagged:
dregl1.lab.newpathexchange.com/desa/consumer:50045f7321ba18eccc2e933366ee2078cf8a0ed
+ &apos;[&apos; &apos; !&apos; -z v0.1.1 &apos;]&apos;
+ docker rmi dregl1.lab.newpathexchange.com/desa/consumer:v0.1.1
Untagged: dregl1.lab.newpathexchange.com/desa/consumer:v0.1.1
```

Untagged:

dregl.lab.newpathexchange.com/desa/consumer@sha256:415dae6c45039079cb272f6fe47366cea2ae5d745d0f97348d3f28287014f997

Deleted: sha256:b5813d0d61eb050d289df29d5f03f605ba68983640225103693ecc16a3e4e643

Deleted: sha256:370f9d9d0aa5067c000a2d4c644846b0f244bb37906f05bf2c76dd4081df9dec

Deleted: sha256:68552dd5d44d94364a0bf00dd9e47c764a52e7f8fc2fcede32f1c5bb64109ec

Deleted: sha256:01fecbe05a777e9cac490ca36c28e35a0e4d22106818ff4d2f7869145f172616

Deleted: sha256:4a46afe997a0813ad557667e75c119bebbc3f243c56bf485ec0807c752b1e922

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Deleted: sha256:41037ada97a1247322a2196c2a4907d8a2b6210b097843b9c9146cc557201389