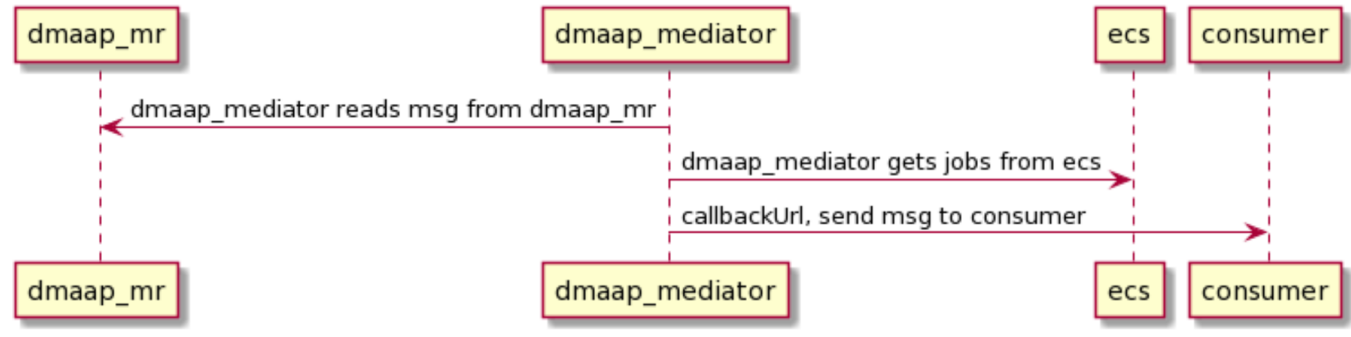


Deploy dmaap-mediator & dmaap-mr

This page is out of date.

Please see the relevant page for the latest release: e.g. [Release I](#) - [Run in Docker](#)

This is a brief instruction on how to deploy dmaap-mediator & dmaap-mr in docker env and how to send a msg to the deployment



Prerequisite

- *Docker*
- *bash*
- *linux(ubuntu 18+)*

Installation

clone nonrtric repo from oran gerrit

clone nonrtric repo

```
git clone "https://gerrit.o-ran-sc.org/r/nonrtric"
```

go to sub-directory:

cd docker-compose

```
cd docker-compose/
```

install dmaap-dr:

install dmapp-dr

```
docker-compose -f docker-compose.yaml -f mr/docker-compose.yaml up -d
```

install ecs, dmaap-mediator and consumer sim:

install ecs, dmaap-mediator and consumer sim

```
docker-compose -f docker-compose.yaml -f ecs/docker-compose.yaml -f dmaap-mediator-go/docker-compose.yaml up -d
```

After above commands, we should be able see all the containers up & running:

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
b094635337a2	nexus3.o-ran-sc.org:10003/o-ran-sc/nonntrtc-enrichment-coordinator-service:1.2.0-SNAPSHOT	ecs	"java -jar /opt/app/..."	About a minute ago	Up About a minute	0.0.0.0:8083->8083/tcp, :::8083->8083/tcp, 0.0.0.0:8434->8434/tcp, :::8434->8434/tcp
0cdcffc13128	exit/mirror-http-server	consumer	"docker-entrypoint.s..."	About a minute ago	Up About a minute	0.0.0.0:8088->80/tcp, :::8088->80/tcp
e49d8eef6347	nexus3.o-ran-sc.org:10003/o-ran-sc/nonntrtc-dmaap-adapter:1.0.0-SNAPSHOT	dmaap-mediator-java	"java -jar /opt/app/..."	About a minute ago	Up About a minute	0.0.0.0:8084->8084/tcp, :::8084->8084/tcp, 0.0.0.0:8435->8435/tcp, :::8435->8435/tcp
2a2c2de98d51f	nexus3.onap.org:10001/onap/dmaap/dmaap-mr:1.1.18	dmaap-mr	"sh startup.sh"	5 minutes ago	Up 5 minutes	0.0.0.0:3904-3905->3904-3905/tcp, :::3904-3905->3904-3905/tcp
e78b41759994	nexus3.onap.org:10001/onap/dmaap/kafka111:1.0.4	kafka	"/etc/confluent/dock..."	5 minutes ago	Up 5 minutes	0.0.0.0:9092->9092/tcp, :::9092->9092/tcp, 9093/tcp
1227b2e85de9	nexus3.onap.org:10001/onap/dmaap/zookeeper:6.0.3	zookeeper	"/etc/confluent/dock..."	5 minutes ago	Up 5 minutes	2888/tcp, 0.0.0.0:2181->2181/tcp, :::2181->2181/tcp, 3888/tcp

populate some data into ecs for test purpose:

populate data into ecs for test purpose

./data/prepareEcsData.sh

Above scripts will create a "job" in ecs micro-service.

send a msg to dmaap-mr topic:

send a msg to dmaap-mr topic

./data/sendMsgToMediator.sh

After running above script, go check the docker logs on dmaap mediator service, with command:

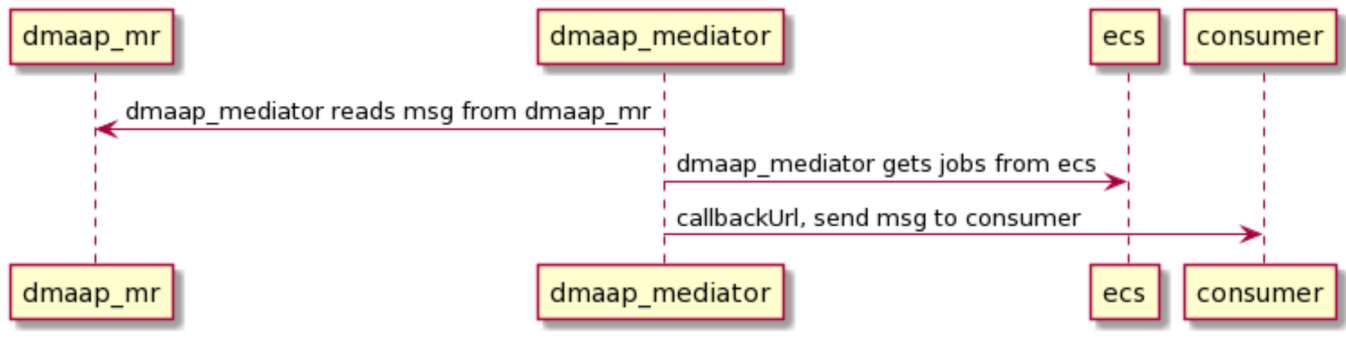
docker logs dmaap-mediator-java

docker logs dmaap-mediator-java

We should see logs like:

dmaap-mediator-java	2021-10-29 10:13:13.504 INFO 1 --- [nio-8435-exec-2] o.o.d.c.ProducerCallbacksController : Job started callback job1
dmaap-mediator-java	2021-10-29 10:13:13.504 DEBUG 1 --- [nio-8435-exec-2] org.oran.dmaapadapter.repository.Jobs : Put service: job1
dmaap-mediator-java	2021-10-29 10:13:14.947 TRACE 1 --- [or-http-epoll-2] o.o.d.clients.AsyncRestClient : 129 Received: [{"testdata":"testdata"}] application/json
dmaap-mediator-java	2021-10-29 10:13:14.958 DEBUG 1 --- [or-http-epoll-2] o.o.d.tasks.DmaapMessageConsumer : Message Reveived from DMAAP : [{"testdata":"testdata"}]
dmaap-mediator-java	2021-10-29 10:13:14.959 DEBUG 1 --- [or-http-epoll-2] o.o.d.tasks.DmaapMessageConsumer : Received from DMAAP [{"testdata":"testdata"}]
dmaap-mediator-java	2021-10-29 10:13:14.963 DEBUG 1 --- [or-http-epoll-2] o.o.d.tasks.DmaapMessageConsumer : Sending to consumer http://consumer:80/
dmaap-mediator-java	2021-10-29 10:13:14.966 DEBUG 1 --- [or-http-epoll-2] o.o.d.clients.AsyncRestClient : 131 POST uri = 'http://consumer:80/'
dmaap-mediator-java	2021-10-29 10:13:14.966 TRACE 1 --- [or-http-epoll-2] o.o.d.clients.AsyncRestClient : 131 POST body: [{"testdata":"testdata"}]
dmaap-mediator-java	2021-10-29 10:13:14.981 DEBUG 1 --- [scheduling-1] o.o.d.tasks.ProducerRegistrationTask : Checking producers starting
dmaap-mediator-java	2021-10-29 10:13:14.992 DEBUG 1 --- [scheduling-1] o.o.d.clients.AsyncRestClient : 132 GET uri = 'http://ecs:8083/data-producer/v1/info-producers/DmaapGenericInfoProducer'
dmaap-mediator-java	2021-10-29 10:13:15.049 DEBUG 1 --- [or-http-epoll-2] o.o.d.tasks.DmaapMessageConsumer : InfiniteFlux.onRequest 1
dmaap-mediator-java	2021-10-29 10:13:15.050 TRACE 1 --- [or-http-epoll-2] o.o.d.tasks.DmaapMessageConsumer : getFromMessageRouter http://dmaap-mr:3904/events/unauthenticated.VES_NOTIFICATION_OUTPUT/OpenDcae-c12/C12
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dmaap-mediator-java	2021-10-29 10:13:15.086 TRACE 1 --- [or-http-epoll-3] o.o.d.clients.AsyncRestClient : 132 Received: {"supported_info_types":["type1"],"info_job_callback_url":"https://dmaap-mediator-java:8435/dmaap_dataproducer/health_check"} application/json
dmaap-mediator-java	2021-10-29 10:13:15.088 DEBUG 1 --- [or-http-epoll-3] o.o.d.tasks.ProducerRegistrationTask : Already registered
dmaap-mediator-java	2021-10-29 10:13:15.088 DEBUG 1 --- [or-http-epoll-3] o.o.d.tasks.ProducerRegistrationTask : Producer registration completed
consumer	[2021-10-29T10:13:15.121Z] INFO: mirror-http-server/27 on 0cdcffc13128:
consumer	request: {
consumer	"ip": "192.168.176.7",
consumer	"ips": [],
consumer	"method": "POST",
consumer	"url": "/",
consumer	"headers": {
consumer	"user-agent": "ReactorNetty/1.0.9",
consumer	"host": "consumer",
consumer	"accept": "*/*",
consumer	"content-type": "application/json",
consumer	"content-length": "31"
consumer	},
consumer	"body": [
consumer	[{"testdata":"testdata"}]
consumer	]

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docker-compose -f docker-compose.yaml -f ecs/docker-compose.yaml -f dmaap-mediator-go/docker-compose.yaml up -d
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After above commands, we should be able see all the containers up & running:

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
b094635337a2	nexus3.o-ran-sc.org:10003/o-ran-sc/nonrtric-dmaap-coordinator-service:1.2.0-SNAPSHOT		"java -jar /opt/app/..."	About a minute ago	Up About a minute	0.0.0.0:8083->8083/tcp, :::8083->8083/tcp, 0.0.0.0:8434->8434/tcp, :::8434->8434/tcp
0cdcffc13128	exit/mirror-http-server	ecs	"docker-entrypoint.s..."	About a minute ago	Up About a minute	0.0.0.0:8088->80/tcp, :::8088->80/tcp
e49d8eef6347	nexus3.o-ran-sc.org:10003/o-ran-sc/nonrtric-dmaap-adaptor:1.0.0-SNAPSHOT	consumer	"java -jar /opt/app/..."	About a minute ago	Up About a minute	0.0.0.0:8084->8084/tcp, :::8084->8084/tcp, 0.0.0.0:8435->8435/tcp, :::8435->8435/tcp
2a2cde98d51f	nexus3.o-ran-sc.org:10001/onap/dmaap/dmaap-mr:1.1.18	dmaap-mediator-java	"sh startup.sh"	5 minutes ago	Up 5 minutes	0.0.0.0:3904-3905->3904-3905/tcp, :::3904-3905->3904-3905/tcp
e78b41759994	nexus3.o-ran-sc.org:10001/onap/dmaap/kafka111:1.0.4	dmaap-mr	"/etc/confluent/dock..."	5 minutes ago	Up 5 minutes	0.0.0.0:9092->9092/tcp, :::9092->9092/tcp, 9093/tcp
1227b2e85de9	nexus3.o-ran-sc.org:10001/onap/dmaap/zookeeper:6.0.3	kafka	"/etc/confluent/dock..."	5 minutes ago	Up 5 minutes	2888/tcp, 0.0.0.0:2181->2181/tcp, :::2181->2181/tcp, 3888/tcp
		zookeeper				

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consumer | [2021-10-29T10:13:15.121Z] INFO: mirror-http-server/27 on 0dcffcf3128:
consumer | request: {
consumer | | "ip": "192.168.176.7",
consumer | | "ips": [],
consumer | | "method": "POST",
consumer | | "url": "/",
consumer | | "headers": {
consumer | | | "user-agent": "ReactorNetty/1.0.9",
consumer | | | "host": "consumer",
consumer | | | "accept": "*/*",
consumer | | | "content-type": "application/json",
consumer | | | "content-length": "31"
consumer | | },
consumer | | "body": [
consumer | | | [{"testdata\":"testdata\"}]
consumer | | ]
consumer | | }
```