Lab 4

localhost:8081 - facade service

```
olekthunder@mellon miniature-adventure [micro_hazelcast] ✗ for i in $(seq 1 10);
do curl localhost:8081/message/add -X POST --data "{\"message\": \"msg$i\"}";
done;
olekthunder@mellon miniature-adventure [micro_hazelcast] → ◻
```

```
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg1 uuid=5dcc2208-bcc0-40e8-8f2d-1cb3e040db42
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service3:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg2 uuid=b517d472-da8a-4d1d-9e98-97485f6b843a
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service3:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg3 uuid=0e5a8f4c-0940-4a65-8c15-ed4ba85a78ae
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service2:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg4 uuid=d38669c0-377a-4c5c-b950-0b7a10925d6a
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service3:8082/log/add"
hz2_1              | Jun 16, 2021 4:40:50 PM com.hazelcast.internal.partition.impl.PartitionStateManager
hz2_1              | INFO: [10.254.1.9]:5701 [dev] [4.0.3] Initializing cluster partition table arrangement...
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg5 uuid=1e7252c0-c3d5-490c-8e46-392d677d35ef
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service2:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg6 uuid=368e32e4-26f7-4151-b322-3fce4bacbbc8
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service1:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg7 uuid=f677cb34-c636-413d-a855-29792aa2fa83
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service2:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg8 uuid=d49f16db-8526-4bce-bedc-0313ec59893f
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service3:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg9 uuid=5ec00c5b-dab9-4889-98a5-51b600c17618
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service2:8082/log/add"
facade_service_1   | time="2021-06-16T16:40:50Z" level=debug msg="Got message" fields.msg=msg10 uuid=74a6b056-39c2-4f3e-93df-63e3b500e291
facade_service_1   | time="2021-06-16T16:40:50Z" level=info msg="Sending log to http://logging_service1:8082/log/add"
logging_service3_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding 5dcc2208-bcc0-40e8-8f2d-1cb3e040db42:msg1"
logging_service2_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding 5ec00c5b-dab9-4889-98a5-51b600c17618:msg9"
logging_service2_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding f677cb34-c636-413d-a855-29792aa2fa83:msg7"
logging_service3_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding b517d472-da8a-4d1d-9e98-97485f6b843a:msg2"
logging_service3_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding d38669c0-377a-4c5c-b950-0b7a10925d6a:msg4"
logging_service2_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding 0e5a8f4c-0940-4a65-8c15-ed4ba85a78ae:msg3"
logging_service3_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding d49f16db-8526-4bce-bedc-0313ec59893f:msg8"
logging_service1_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding 74a6b056-39c2-4f3e-93df-63e3b500e291:msg10"
logging_service1_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding 368e32e4-26f7-4151-b322-3fce4bacbbc8:msg6"
logging_service2_1 | time="2021-06-16T16:40:50Z" level=info msg="Adding 1e7252c0-c3d5-490c-8e46-392d677d35ef:msg5"
```

```
olekthunder@mellon miniature-adventure [micro_hazelcast] → curl localhost:8081/
Message:
Not implemented
Logs:
{"0e5a8f4c-0940-4a65-8c15-ed4ba85a78ae":"msg3","1e7252c0-c3d5-490c-8e46-392d677d35ef":"msg5","368e32e4-26f7-4151-b322-3fce4bacbbc8":"msg6","5dcc2208-bcc0-40e8-8f2d-1cb3e040db
42":"msg1","5ec00c5b-dab9-4889-98a5-51b600c17618":"msg9","74a6b056-39c2-4f3e-93df-63e3b500e291":"msg10","b517d472-da8a-4d1d-9e98-97485f6b843a":"msg2","d38669c0-377a-4c5c-b950
-0b7a10925d6a":"msg4","d49f16db-8526-4bce-bedc-0313ec59893f":"msg8","f677cb34-c636-413d-a855-29792aa2fa83":"msg7"}

olekthunder@mellon miniature-adventure [micro_hazelcast] → ◻
```

Stopping 2 logging_service instances

```
olekthunder@mellon miniature-adventure [micro_hazelcast] → docker-compose stop logging_service1 logging_service2
Stopping miniature-adventure_logging_service1_1 ... done
Stopping miniature-adventure_logging_service2_1 ... done
olekthunder@mellon miniature-adventure [micro_hazelcast] → ◻
```

Querying through facade_service - timeout (we are trying to query through dead service)

```
olekthunder@mellon miniature-adventure [micro_hazelcast] → curl localhost:8081/
^C
olekthunder@mellon miniature-adventure [micro_hazelcast] ✗ ◻
```

```
facade_service_1    | time="2021-06-16T16:44:37Z" level=info msg="Querying http://messages_service:8083/"
facade_service_1    | time="2021-06-16T16:44:37Z" level=info msg="Querying http://logging_service2:8082/log/list"
facade_service_1    | time="2021-06-16T16:44:57Z" level=error msg="Get \"http://logging_service2:8082/log/list\": dial tcp: lookup logging_ser
vice2 on 127.0.0.11:53: no such host"
```

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After several retries we managed to query through logging_service3. All logs are present

```
olekthunder@mellon miniature-adventure [micro_hazelcast] ✗ curl localhost:8081/
Message:
Not implemented
Logs:
{"0e5a8f4c-0940-4a65-8c15-ed4ba85a78ae":"msg3","1e7252c0-c3d5-490c-8e46-392d677d35ef":"msg5","368e32e4-26f7-4151-b322-3fce4bacbbc8":"msg6","5dcc2208-bcc0-40e8-8f2d-1cb3e040db
42":"msg1","5ec00c5b-dab9-4889-98a5-51b600c17618":"msg9","74a6b056-39c2-4f3e-93df-63e3b500e291":"msg10","b517d472-da8a-4d1d-9e98-97485f6b843a":"msg2","d38669c0-377a-4c5c-b950
-0b7a10925d6a":"msg4","d49f16db-8526-4bce-bedc-0313ec59893f":"msg8","f677cb34-c636-413d-a855-29792aa2fa83":"msg7"}

olekthunder@mellon miniature-adventure [micro_hazelcast] → []
```