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Edge Capacity Expansion

Add and remove Qpid

Agenda

- Background information
- Add Qpid
- Remove Qpid

Background Information

Analytics Groups

Analytics groups (axgroup) are a data structures containing information regarding the Qpid and Postgres servers associated to a given organization and environment.

```
curl -u <sysAdminEmail>:<passwd> "http://<ms_IP>:8080/v1/analytics/groups/ax"
[ {
  "name" : "axgroup-001",
  "properties" : {
    "consumer-type" : "ax"
  },
  "scopes" : [ "traininglab~prod" ],
  "uuids" : {
    "postgres-server" : [ "baf7d9d5-618c-4ce4-8c5b-23ad2c62eb51:489aa9b0-b764-4ade-8615-27db09e9deca" ],
    "qpid-server" : [ "708cf21f-2efe-41c9-97b5-809e56676347", "4f1c20e5-0dc5-450c-8619-3cd9fe75ce4b" ]
  },
  "consumer-groups" : [ {
    "name" : "consumer-group-001",
    "consumers" : [ "708cf21f-2efe-41c9-97b5-809e56676347", "4f1c20e5-0dc5-450c-8619-3cd9fe75ce4b" ],
    "datastores" : [ "baf7d9d5-618c-4ce4-8c5b-23ad2c62eb51:489aa9b0-b764-4ade-8615-27db09e9deca" ],
    "properties" : {
    }
  } ],
  "data-processors" : {
  }
} ]
```

Add Qpid nodes

Add Qpid nodes - 1/3

1. Determine analytics and consumer groups names

By default, the name of the analytics group is axgroup-001, and the name of the consumer group is consumer-group-001.

If you are unsure of the names of the analytics and consumer groups, use the following command to display them:

```
apigee-adminapi.sh analytics groups list --admin adminEmail --pwd adminPword --host
localhost | grep "name"
```

This command returns the analytics group name in the name field, and the consumer group name in the consumer-groups field.

```
apigee-adminapi.sh analytics groups list --admin opdk@google.com --host localhost | grep name

Returns:

    "name" : "axgroup-001",
    "name" : "consumer-group-001",
```

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Add Qpid nodes - 2/3

2. Install Qpid server

Using the response file used to install other components on the planet, install the new Qpid server:

```
/opt/apigee/apigee-setup/bin/setup.sh -p qs -f /tmp/ConfigFile.txt
```

2.1 Obtain Qpid server UUID:

```
curl http://:<ms_IP>:8083/v1/servers/self/uuid
```

Add Qpid nodes - 3/3

3. Add Qpid to analytics group

3.1. Add Qpid to analytics group:

```
curl -v -u <sysAdminEmail>:<passwd> -H "Content-Type: application/json" -X POST
"http://<ms_IP>:8080/v1/analytics/groups/ax/<AX_GROUP>/servers?uuid=<QPID_UUID>&type=qpid-server"
```

3.2. Add Qpid to the consumer group:

```
curl -v -u <sysAdminEmail>:<passwd> -H "Content-Type: application/json" -X POST
"http://<ms_IP>:8080/v1/analytics/groups/ax/<AX_GROUP>/consumer-groups/<CONSUMER_GROUP>/consumers?
uuid=<QPID_UUID>"
```

Remove Qpid nodes

Remove Qpid 1/2

1. Determine analytics and consumer groups names

By default, the name of the analytics group is axgroup-001, and the name of the consumer group is consumer-group-001.

If you are unsure of the names of the analytics and consumer groups, use the following command to display them:

> apigee-adminapi.sh analytics groups list --admin adminEmail --pwd adminPword --host localhost | grep "name"

This command returns the analytics group name in the name field, and the consumer group name in the consumer-groups field.

Example:

```
apigee-adminapi.sh analytics groups list --admin opdk@google.com --host localhost | grep name

Returns:

    "name" : "axgroup-001",
    "name" : "consumer-group-001",
```

Remove Qpid 2/2

2. Remove Qpid from the analytics group

2.1. Remove qpid from consumer group:

```
curl -v -u <sysAdminEmail>:<passwd> -H "Content-Type: application/json" -X DELETE
"http://<ms_IP>:8080/v1/analytics/groups/ax/<AX_GROUP>/consumer-groups/<CONSUMER_GROUP>/consumers
/<QPID_UUID>"
```

2.2. Remove qpid from analytics group:

```
curl -v -u <sysAdminEmail>:<passwd> -X DELETE
"http://<ms_IP>:8080/v1/analytics/groups/ax/<AX_GROUP>/servers?uuid=<QPID_UUID>&type=qpid-server"
```

2.3 Remove qpid from installation:

```
curl -v -u <sysAdminEmail>:<passwd> -X DELETE "http://<ms_IP>:8080/v1/servers/<QPID_UUID>
```

2.4 Uninstall Qpid server:

If required, uninstall component as described at Uninstalling Edge:

```
http://docs.apigee.com/private-cloud/latest/uninstalling-edge
```

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Thank You

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