Edge Capacity Expansion

Create and delete Environment

Google Cloud

Agenda

- Environment naming convention
- Create Environment
- Environment scope
- Associate Message Processor to an Environment
- Disassociate Message Processor from an Environment
- Delete Environment

Environment naming convention

- Environment names must be unique within the organization.

- Environment name must be lowercase only, no spaces, underscores, periods or special characters. If multiple words are required use dash (-).

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Creating an Environment

To create an environment:

/opt/apigee/apigee-service/bin/apigee-service apigee-provision add-env -f <configFile>

Sample response file:

```
APIGEE_ADMINPW="adminPword"
ORG_NAME="<org-name>"
ENV_NAME="<env-name>"
VHOST_PORT=9001
VHOST_NAME="<virtual-host-name>"
VHOST_ALIAS="<alias-name>:<port>"
```

Alternatively, you can use the following API calls to create environments. See Operations Guide and Management API for details:

http://docs.apigee.com/private-cloud/latest/creating-organization-environment-and-virtual-host

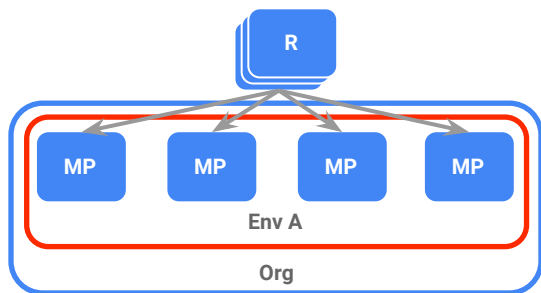http://docs.apigee.com/api/environments

Environment scope

- Environment define logical processing scope. Message Processors are associated to environment.
- Routers are multi-tenant aware. They are capable of sending traffic to any MP given the associated scope.
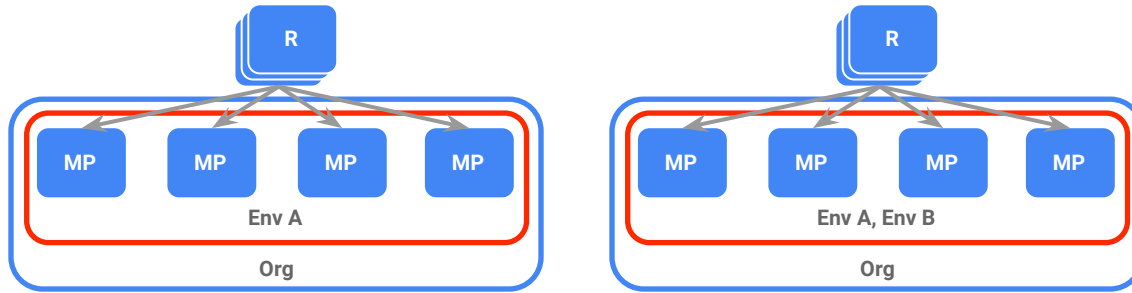
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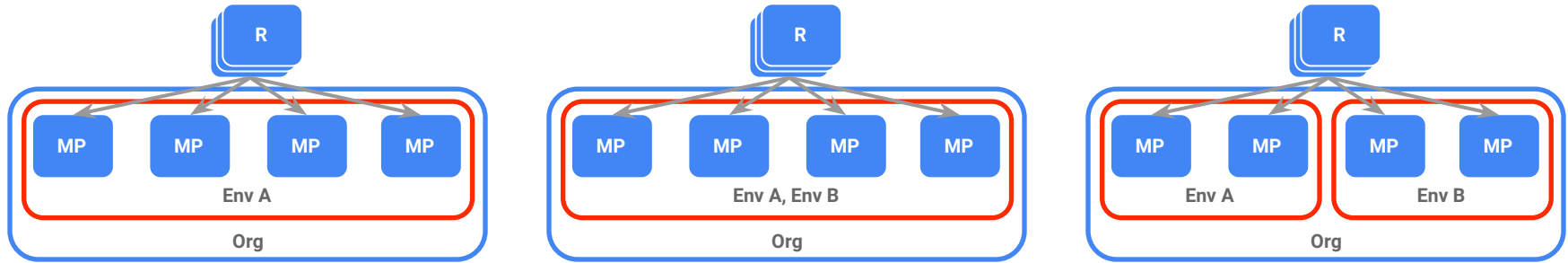- Routers are multi-tenant aware. They are capable of sending traffic to any MP given the associated scope.

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Associate Message Processor to an Environment

To associate Message Processors an Environment, you need the UUIDs of each of the Message Processor to associate. You can obtain the UUID of the Message Processors by executing the following API on each Message Processor:

curl -v http://<mp_IP>:8082/v1/servers/self/uuid

For each of the UUIDs to associated to the environment, execute the following API call:

curl -v -u <sysAdminEmail>:<passwd>
http://<ms_IP>:8080/v1/organizations/<org-name>/environments/<env-name>/servers
-d "action=add&uuid=<MP_UUID>"
-H "Content-Type: application/x-www-form-urlencoded"
-X POST

Disassociate Message Processor from an Environment

API call to get the UUID's of the servers:

```
curl -v -u <adminEmail>:<adminPassword>
http://<ms_IP>:8080/v1/organizations/<org-name>/environments/<env-name>/serv
ers
```

For each of the servers, execute the following API to remove association:

```
curl -v -u <adminEmail>:<adminPassword> -X POST
http://<ms_IP>:8080/v1/organizations/<org-name>/environments/<env-name>/serv
ers
-d "action=remove&uuid=<uuid>"
-H "Content-Type: application/x-www-form-urlencoded"
```

Delete Environment 1/3

The following steps are required to delete a fully functional Environment. Depending on what additional elements may have been added to the environment, additional steps may be needed:

1. Delete any Keystores defined in that Environment

    1.1. API to get the keystores defined for an Environment:

```
curl -v -u <adminEmail>:<adminPassword>
http://<ms_IP>:8080/v1/o/<org-name>/e/<env-name>/keystores
```

    1.2. API to delete the keystores defined for an Environment:

```
curl -v -u <adminEmail>:<adminPassword> -X DELETE
http://<ms_IP>:8080/v1/o/<org-name>/e/<env-name>/keystores/<keystore-name>
```

Delete Environment 2/3

2. Delete the Virtual Hosts for that Environment

    2.1 API call to get the Virtual Hosts defined for an Environment:

    curl -v -u <adminEmail>:<adminPassword>
    http://<ms_IP>:8080/v1/o/<org-name>/e/<env-name>/virtualhosts

    2.2. API call to delete the Virtual Hosts:

    curl -v -u <adminEmail>:<adminPassword> -X DELETE
    http://<ms_IP>:8080/v1/o/<org-name>/e/<env-name>/virtualhosts/<vhost>

Delete Environment 3/3

To delete the environment, execute the following API:

```
curl -v -u <adminEmail>:<adminPassword> -X DELETE
http://<ms_IP>:8080/v1/o/<org-name/e/<env-name>
```

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Thank You

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