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LAB- Configure Proxy Endpoint (On Premises)

In this lab you will -

- a) Configure Proxy Endpoint API Instance. The auto generated proxy application will be deployed on the On Premises Standalone server

Step 1 – Start the On Premises Standalone server

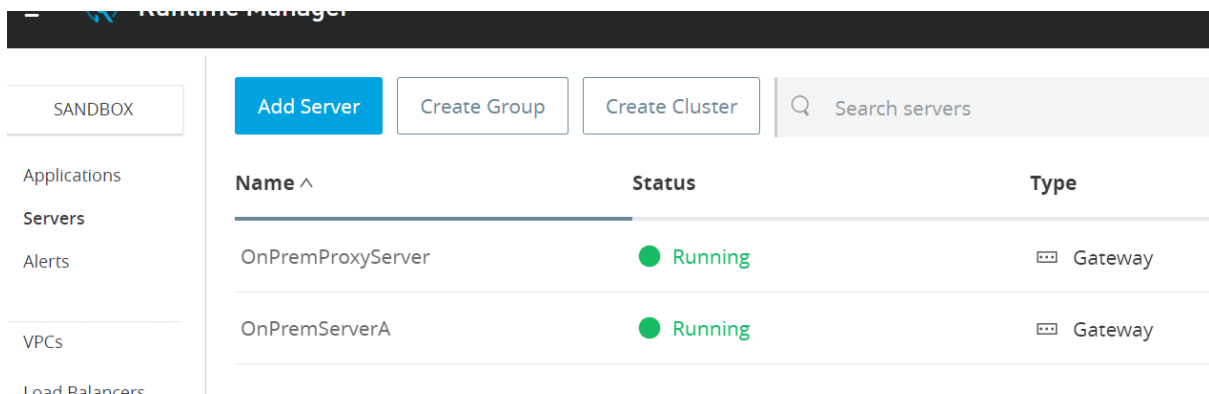
- Run mule.bat from the bin folder of your On Premises Server - onPremServerA
- Once it get started , you will see the message – Mule is up and kicking
- News API is deployed on this server already
- Test from postman
 - Select GET method
 - Use <http://<host>:<port>/<path>/news> for example :
<http://localhost:8081/api/news>

- Press Send button

Congratulations, you have completed step 1.

Step 2 – Start On Premises Proxy Server

- Register New server i.e. On Premises Proxy server with name - OnPremProxyServer
- The process is same as explained in the lab of section 1
- Run mule.bat from the bin folder of OnPremProxyServer
- Once it get started , you will see the message – Mule is up and kicking
- Login to Anypoint Platform
- Open Runtime Manager and click on Servers tab. Notice that both servers are running -



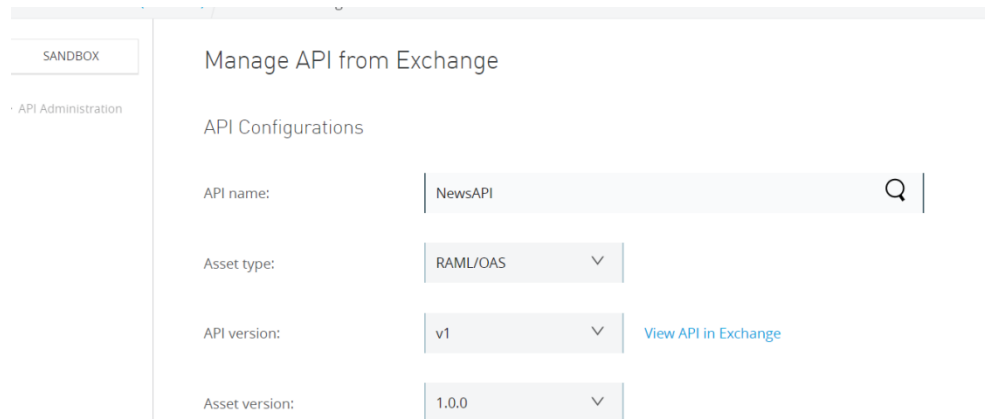
The screenshot shows the Anypoint Runtime Manager interface. On the left is a sidebar with navigation links: SANDBOX, Applications, Servers, Alerts, VPCs, and Load Balancers. The main area has a top bar with buttons 'Add Server', 'Create Group', and 'Create Cluster', along with a search bar 'Search servers'. Below this is a table with columns 'Name', 'Status', and 'Type'. Two servers are listed: 'OnPremProxyServer' and 'OnPremServerA', both with a green dot and the text 'Running' in the status column, and 'Gateway' in the type column.

Name ^	Status	Type
OnPremProxyServer	● Running	Gateway
OnPremServerA	● Running	Gateway

Congratulations, you have completed step 2.

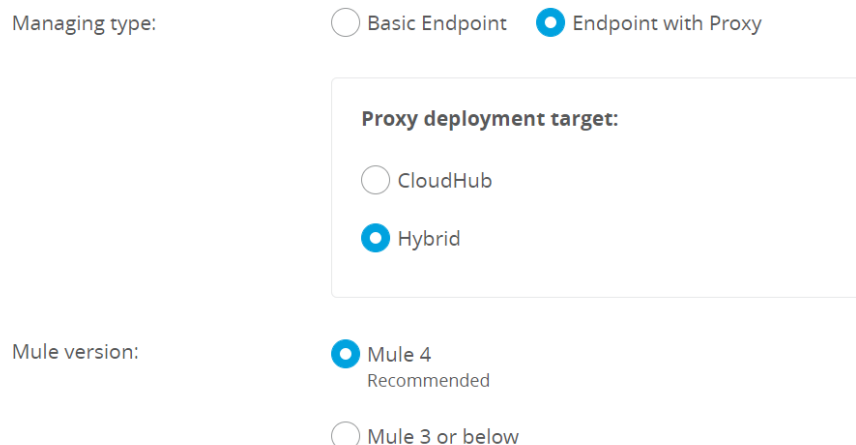
Step 3 - Configure Proxy Endpoint

- Open API Manager and select Sandbox environment if asked to choose the environment
- In the API Manager, Click on Manage API -> Manage API from Exchange
- In the configuration window of “Manage API from Exchange”, Specify the API name as NewsAPI (API specification should already be published to Exchange by you).



The screenshot shows the 'Manage API from Exchange' configuration window. The left sidebar has 'SANDBOX' selected under 'API Administration'. The main area is titled 'Manage API from Exchange' and 'API Configurations'. It contains four input fields: 'API name:' with 'NewsAPI', 'Asset type:' with 'RAML/OAS', 'API version:' with 'v1', and 'Asset version:' with '1.0.0'. A 'View API in Exchange' link is next to the 'API version:' field.

- This action will pick NewsAPI from exchange and retrieve Asset Type, API version and Asset Version from Exchange
- Configure as shown below –



The screenshot shows the 'Managing type' configuration window. It has two radio buttons: 'Basic Endpoint' and 'Endpoint with Proxy' (selected). Below, there's a 'Proxy deployment target' section with 'CloudHub' and 'Hybrid' (selected). At the bottom, there's a 'Mule version' section with 'Mule 4 Recommended' (selected) and 'Mule 3 or below'.

- In the **Managing Type**, select “**Endpoint with Proxy**” radio button

- In the **Proxy deployment target**, select **Hybrid** radio button.
- Select radio button for **Mule Version**
- Configure **Implementation URI** to point to NewsAPI Implementation URI –

○ Implementation URI:

- Specify **path** as /proxy

○ Path:

- On the same page , Click on **Advanced** options
- Click on **Enable Console** and specify the console path as shown below -

○ Enable Console: ☒ Enable the Console Flow in the autogenerated proxy.

○ Console Path:

- Specify **API Instance Label** and **port** . Then click on Save button -

○ API instance label: ⓘ (Optional)
Recommended if you have multiple managed instances of the same API

Port:

Response timeout: ⓘ (Optional)

☐ Reference user domain ⓘ

- In the Deployment Configuration, configure Hybrid Target. Click on Select Target and choose OnPremProxyServer -

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Deployment Configuration ▾

Hybrid target:

OnPremProxyServer

Select target

Deploy

- _____
- Click on Deploy Button and wait for it to get deployed
- Open the post man and test
 - `http://<host>:<port>/<path>/news` for eg (as per above configuration) - `http://localhost:9091/api/news`
 - Select the GET method and press SEND
 - You should get the JSON response back

Congratulations, you have completed step 3.

Congratulations!! You have completed this exercise.