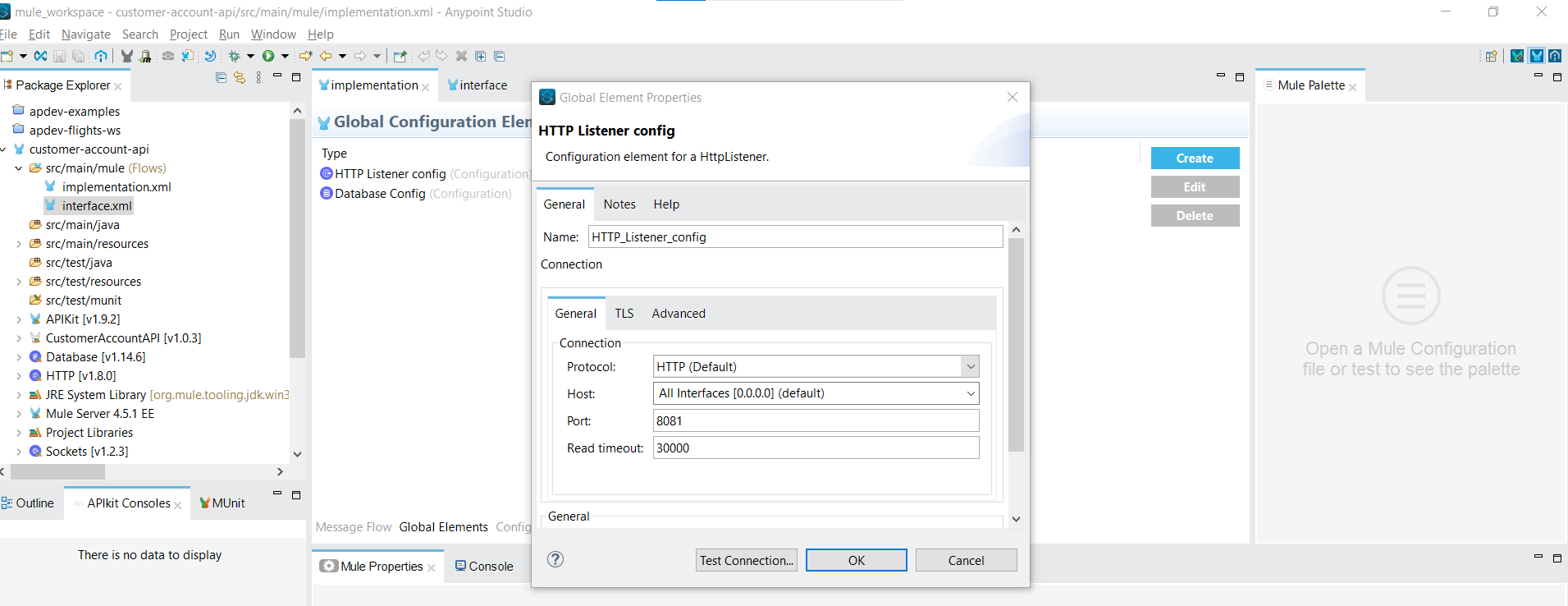
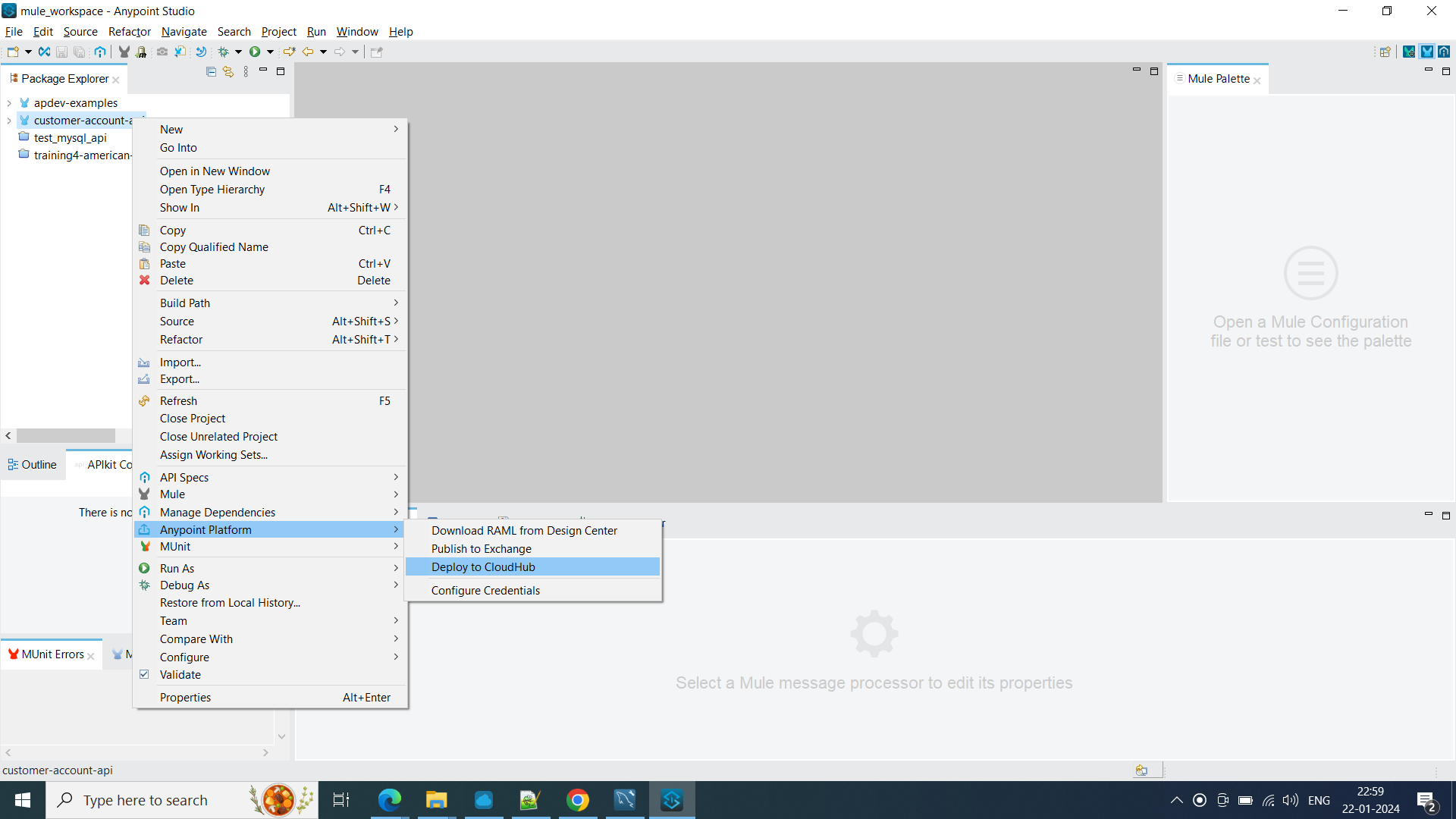
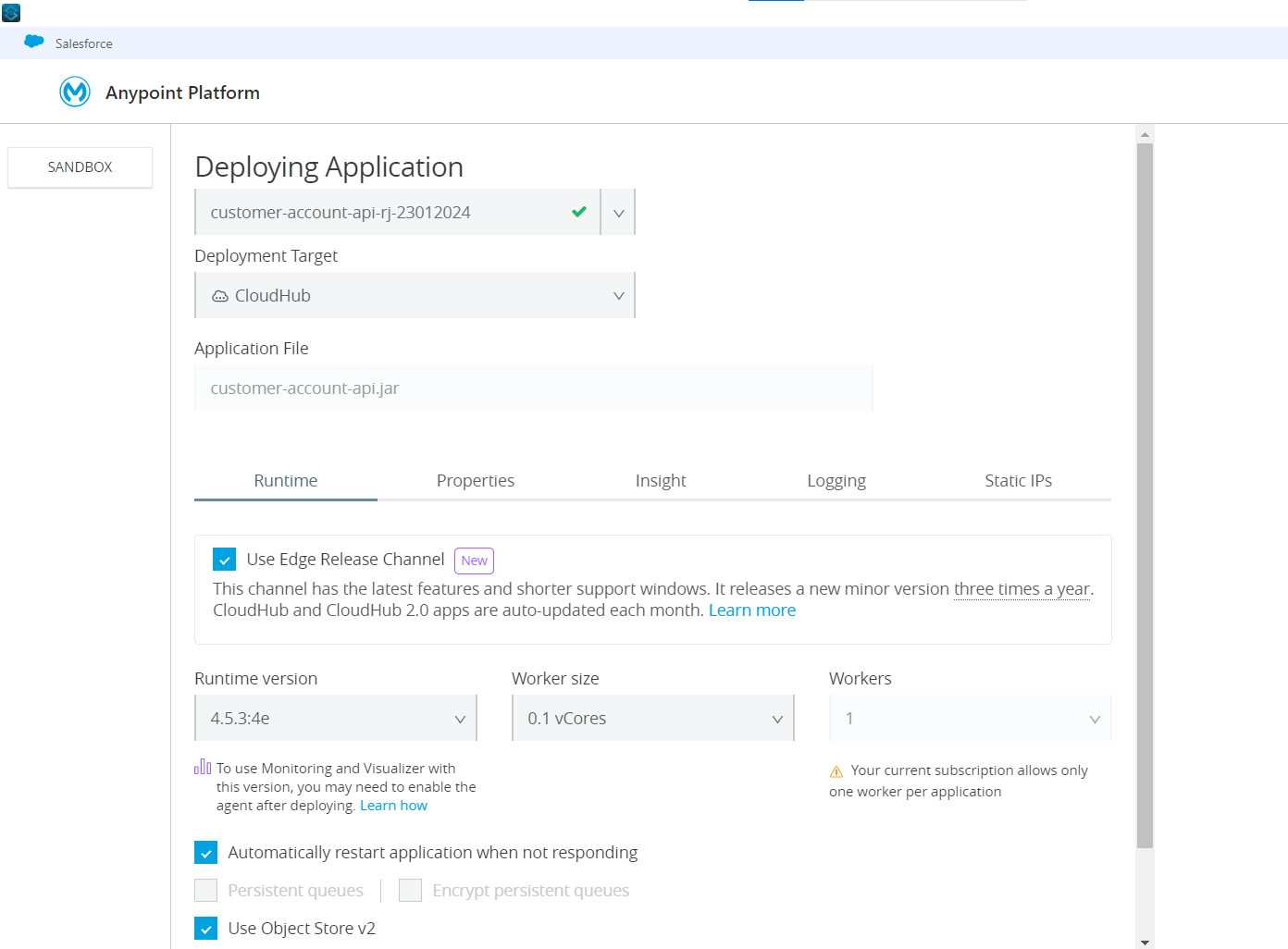
**Module 5 - Deploying and Managing API’s**

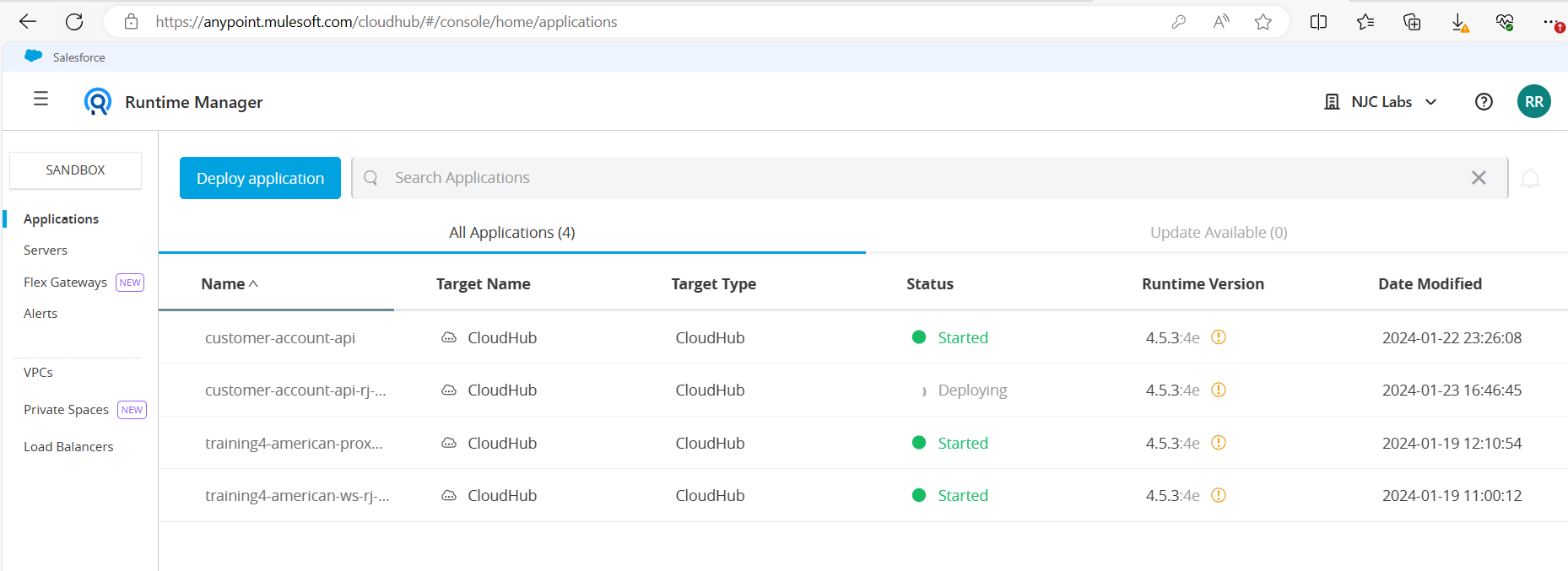
**Deploying applications to CloudHub:**

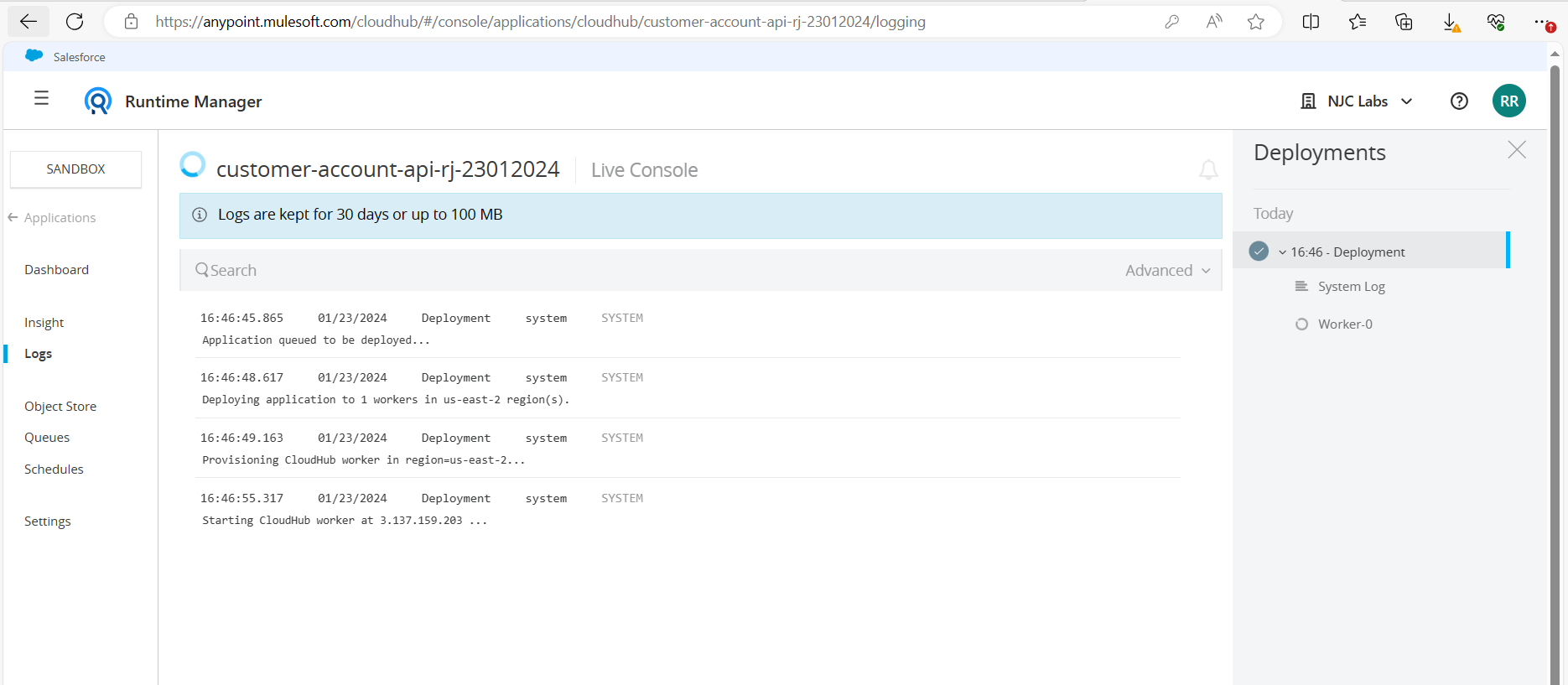
Customer Account API app deploy to Cloudhub.



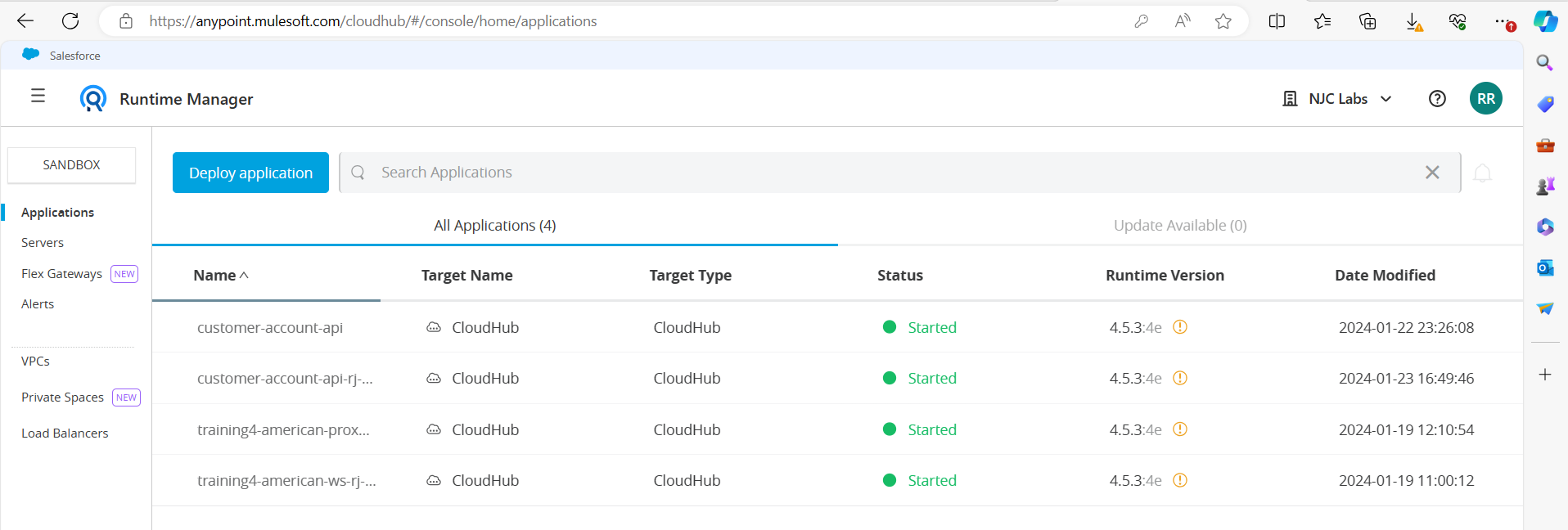




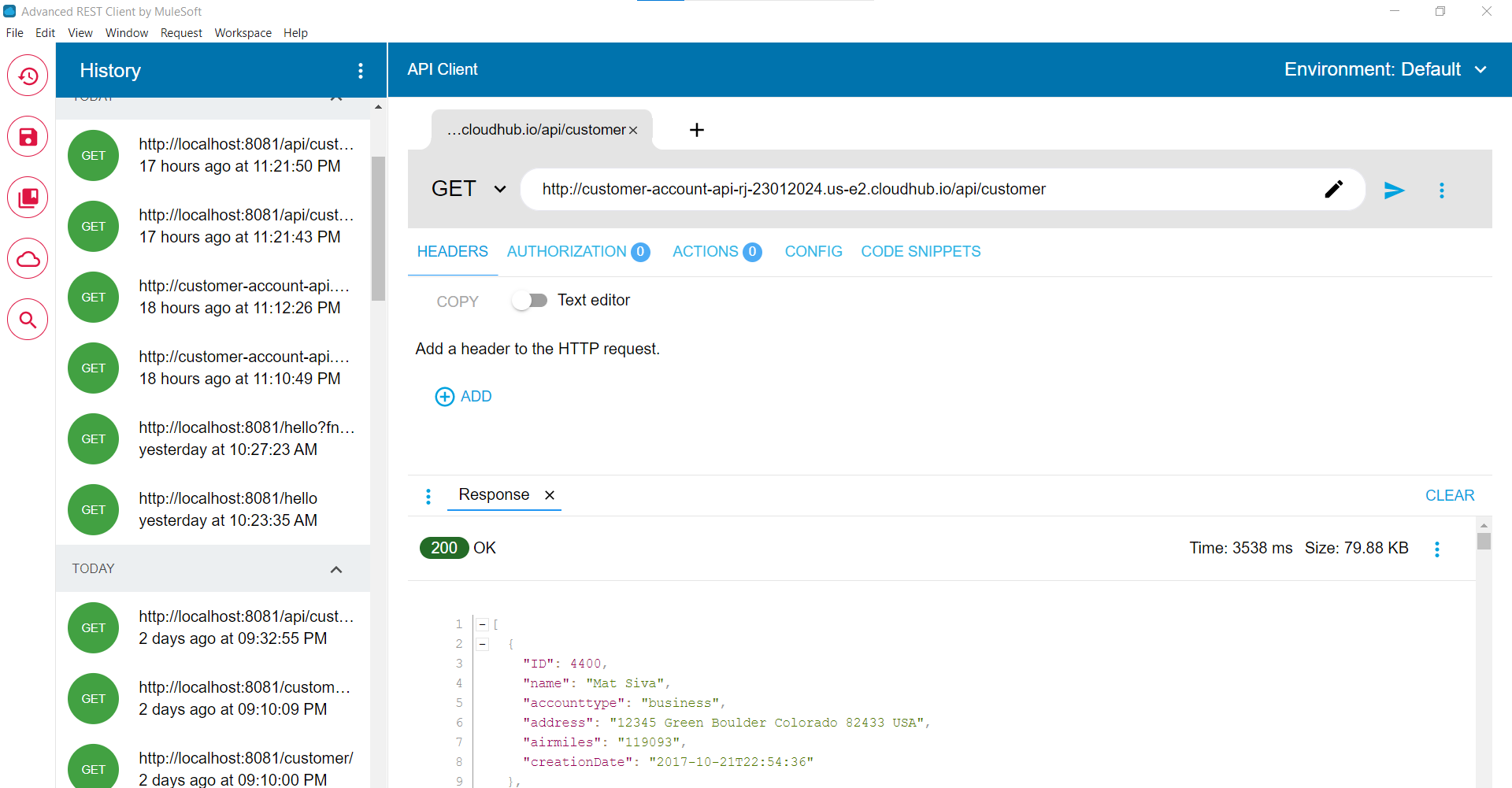




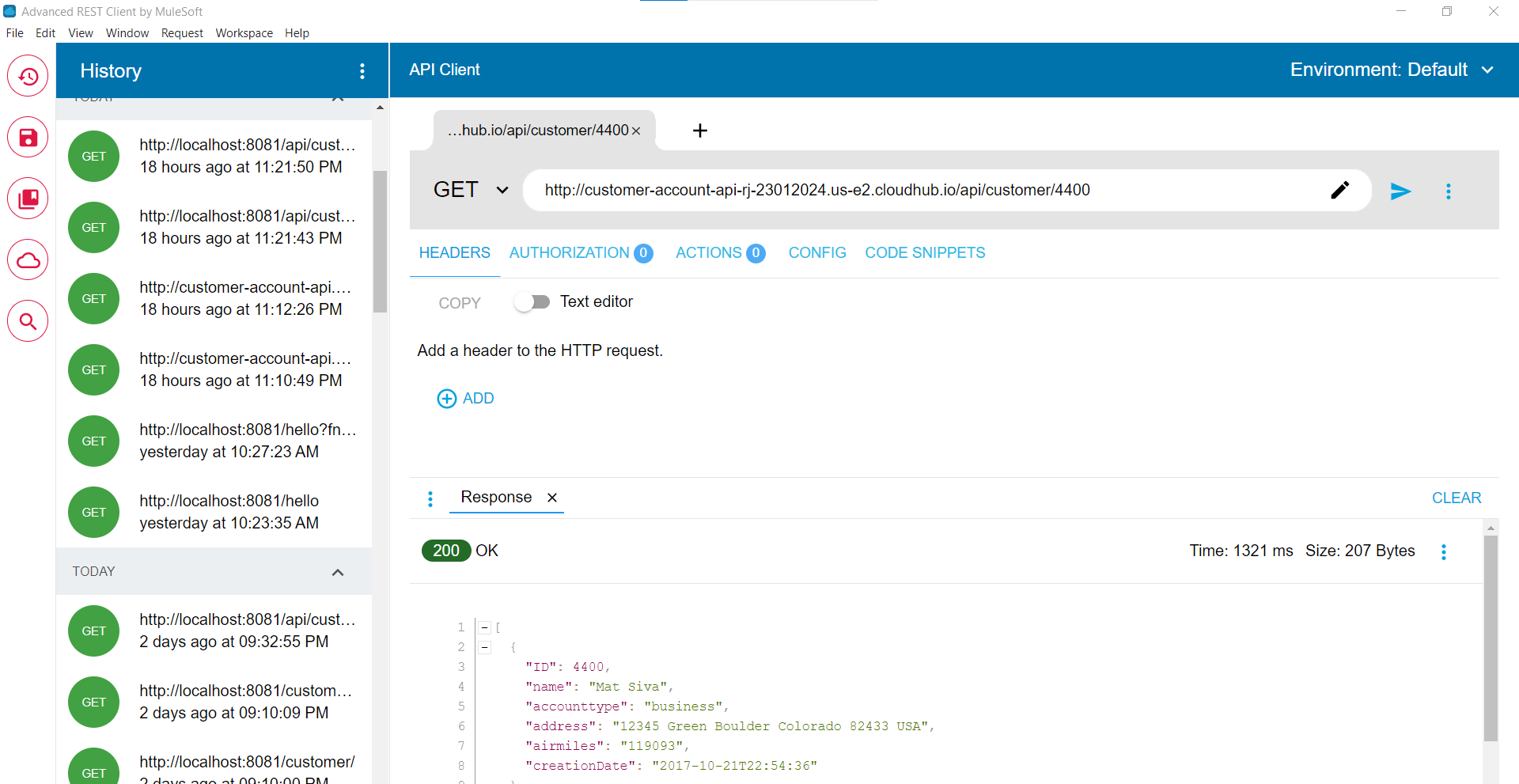
Application Started:



Test in ARC:

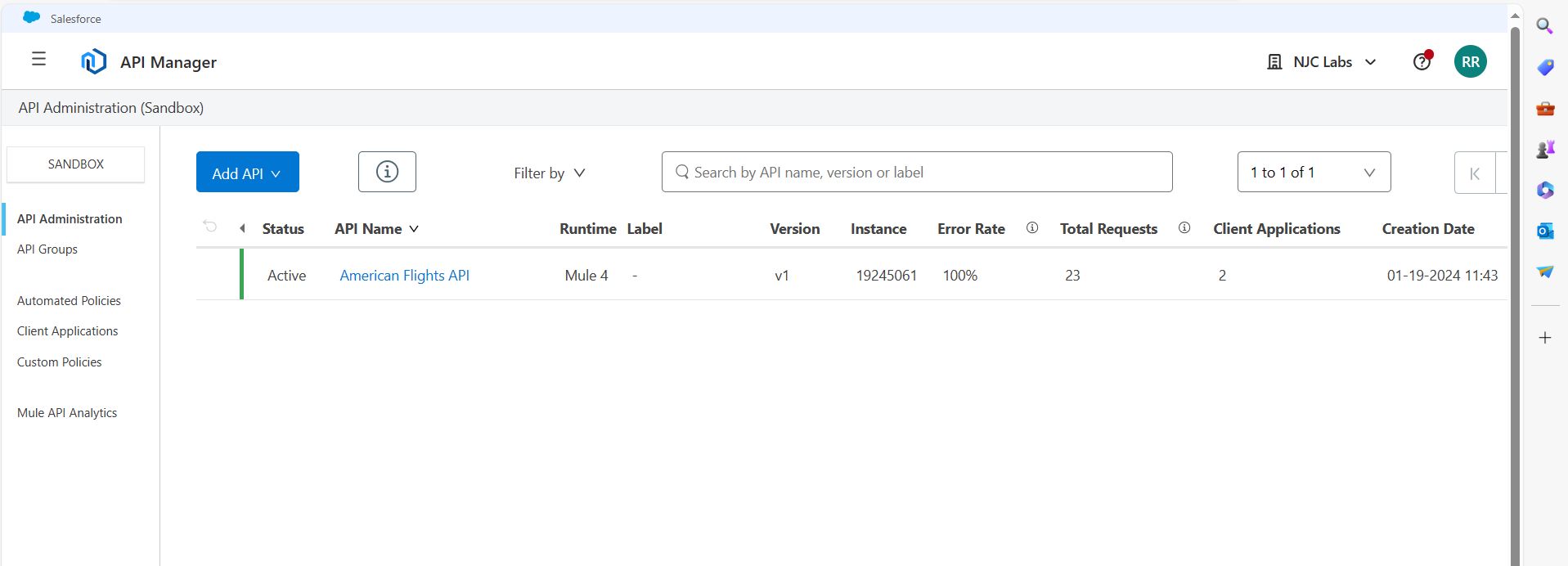


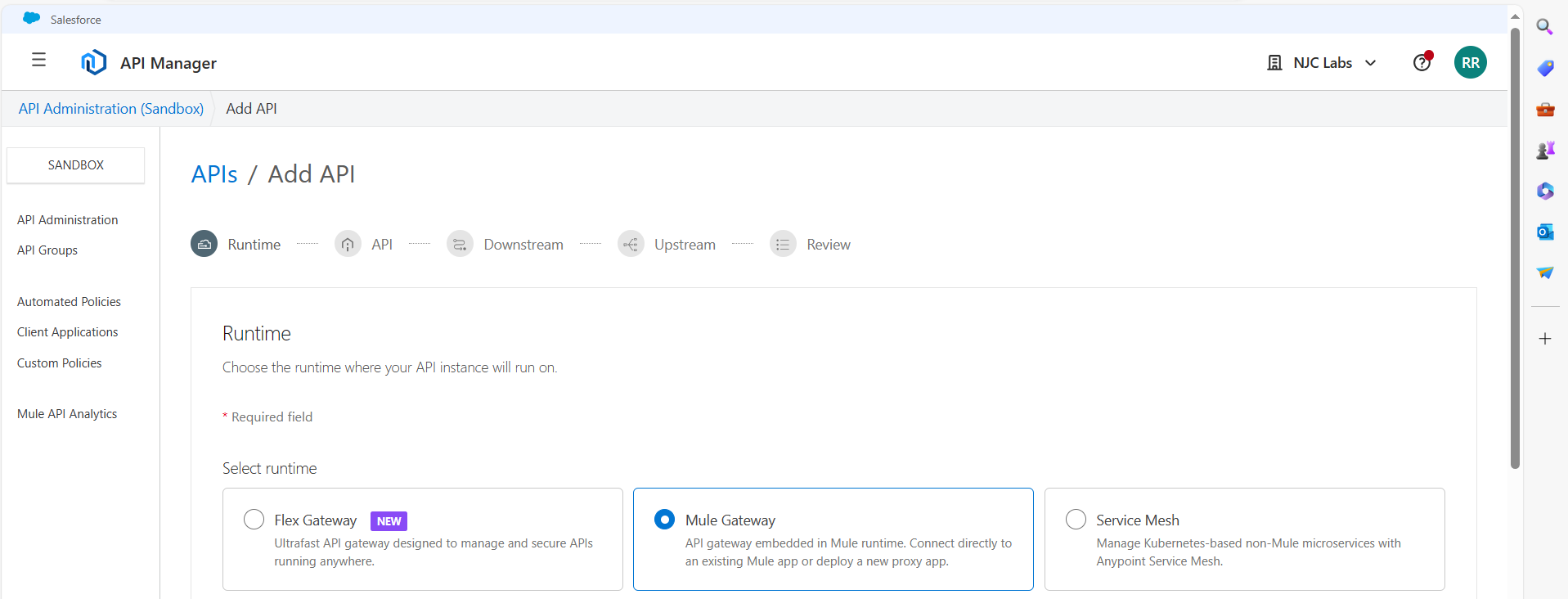
Testing with account ID:

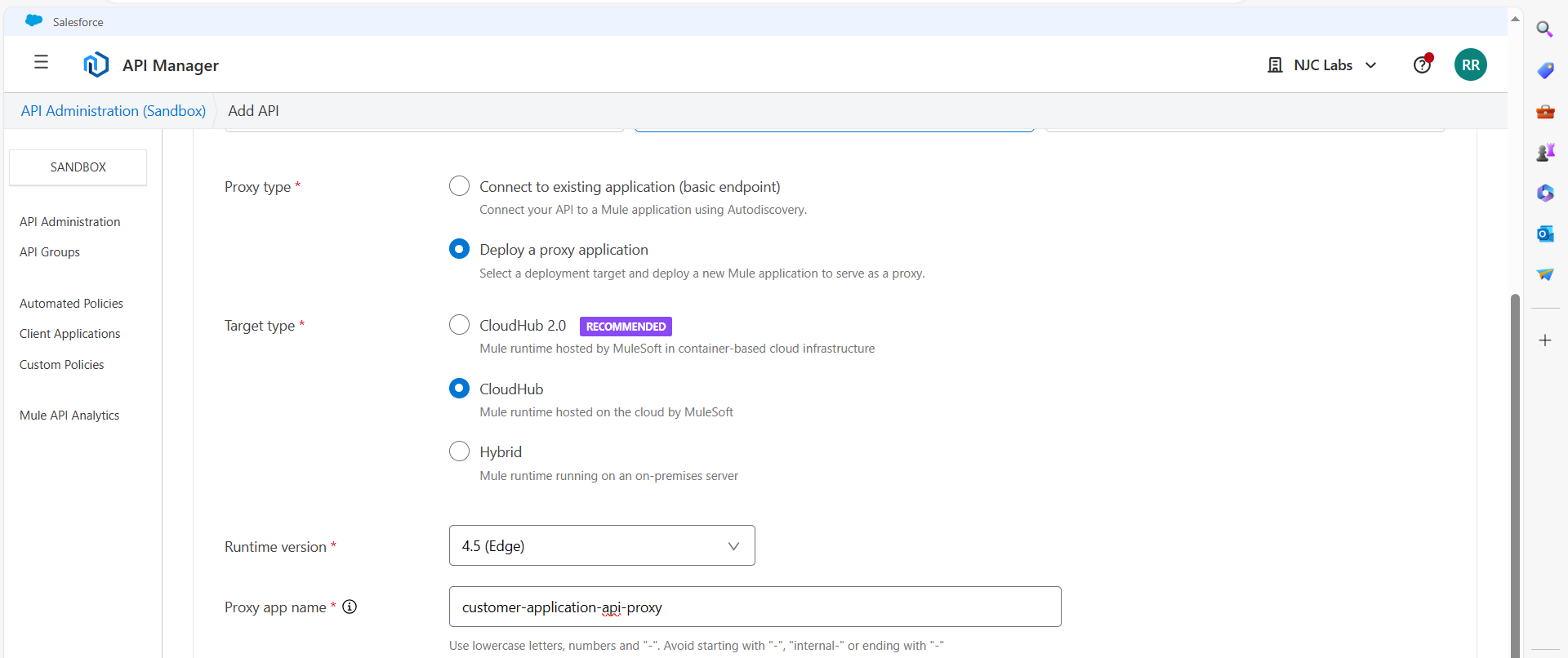


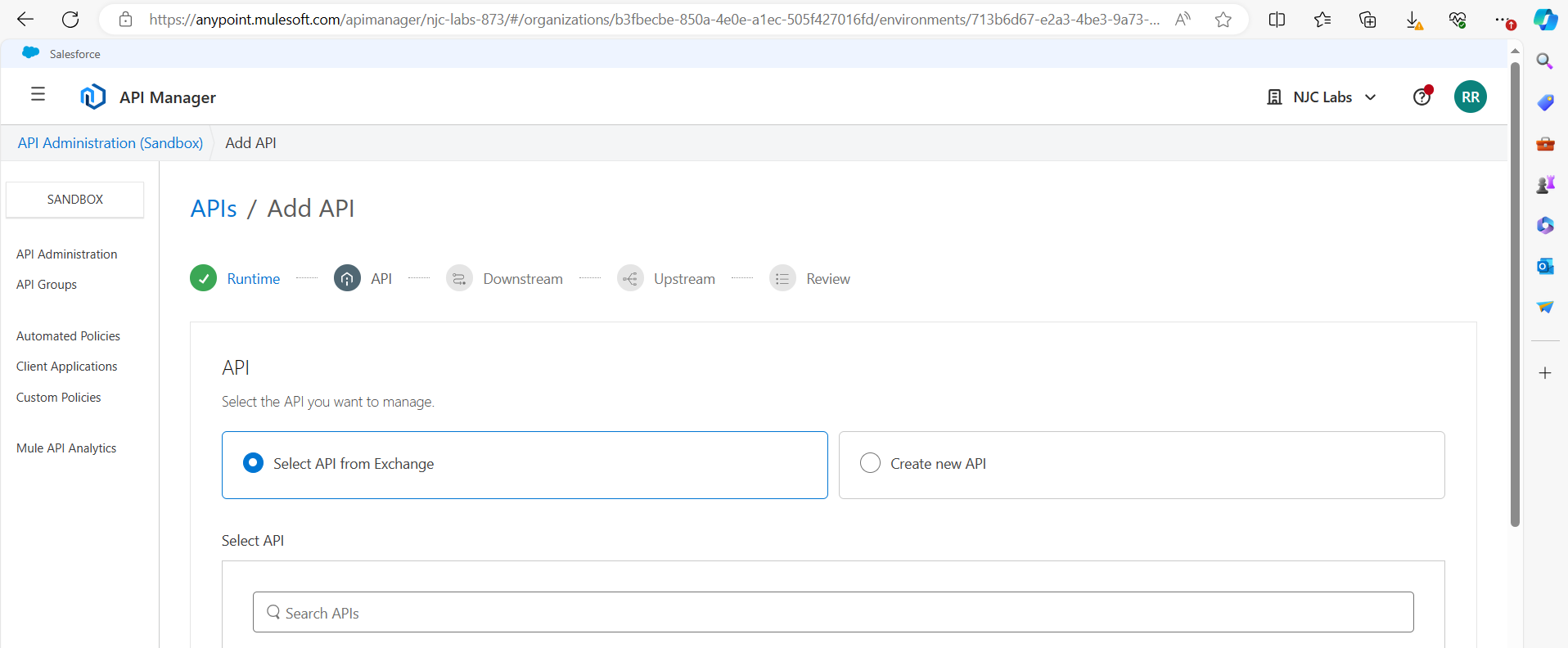
**Creating API Proxies:**

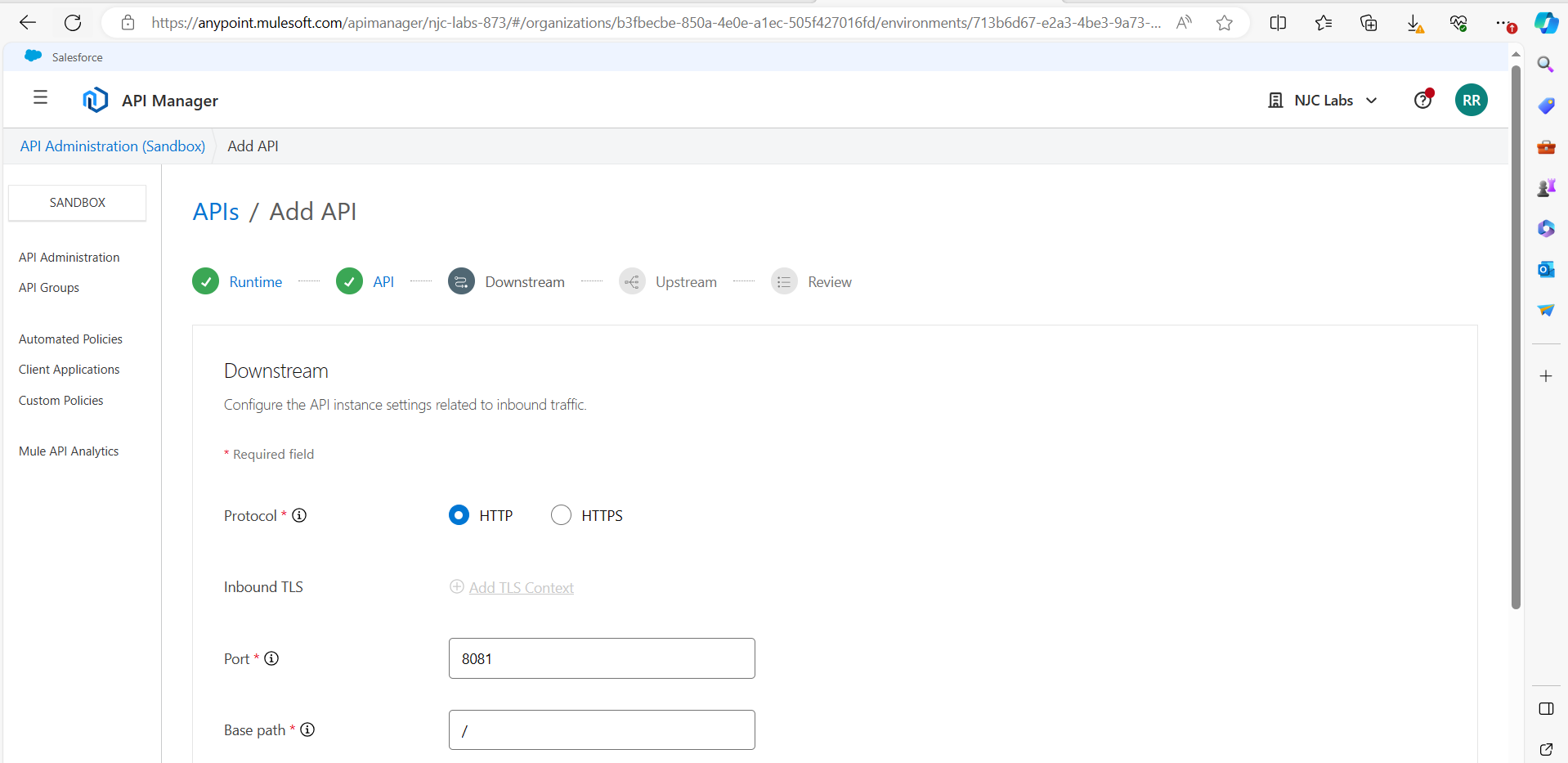
API Manager:

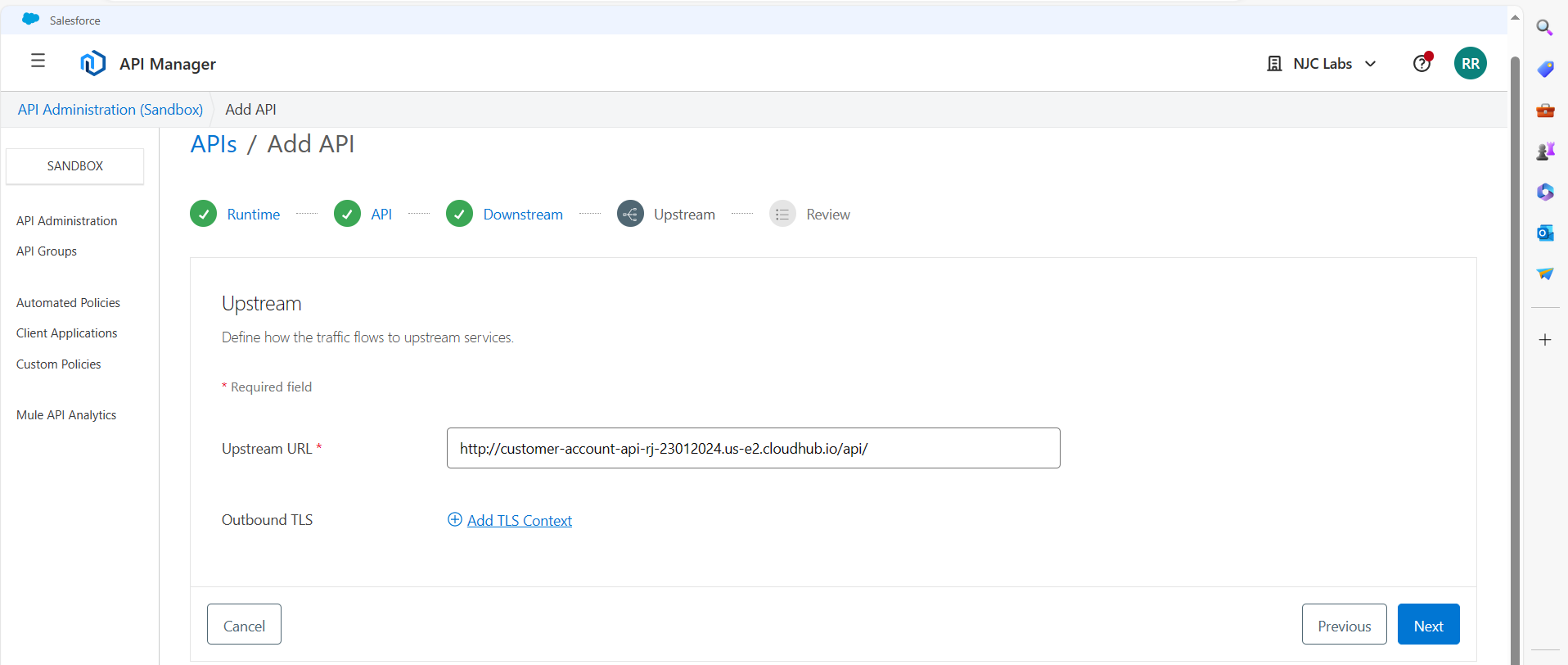


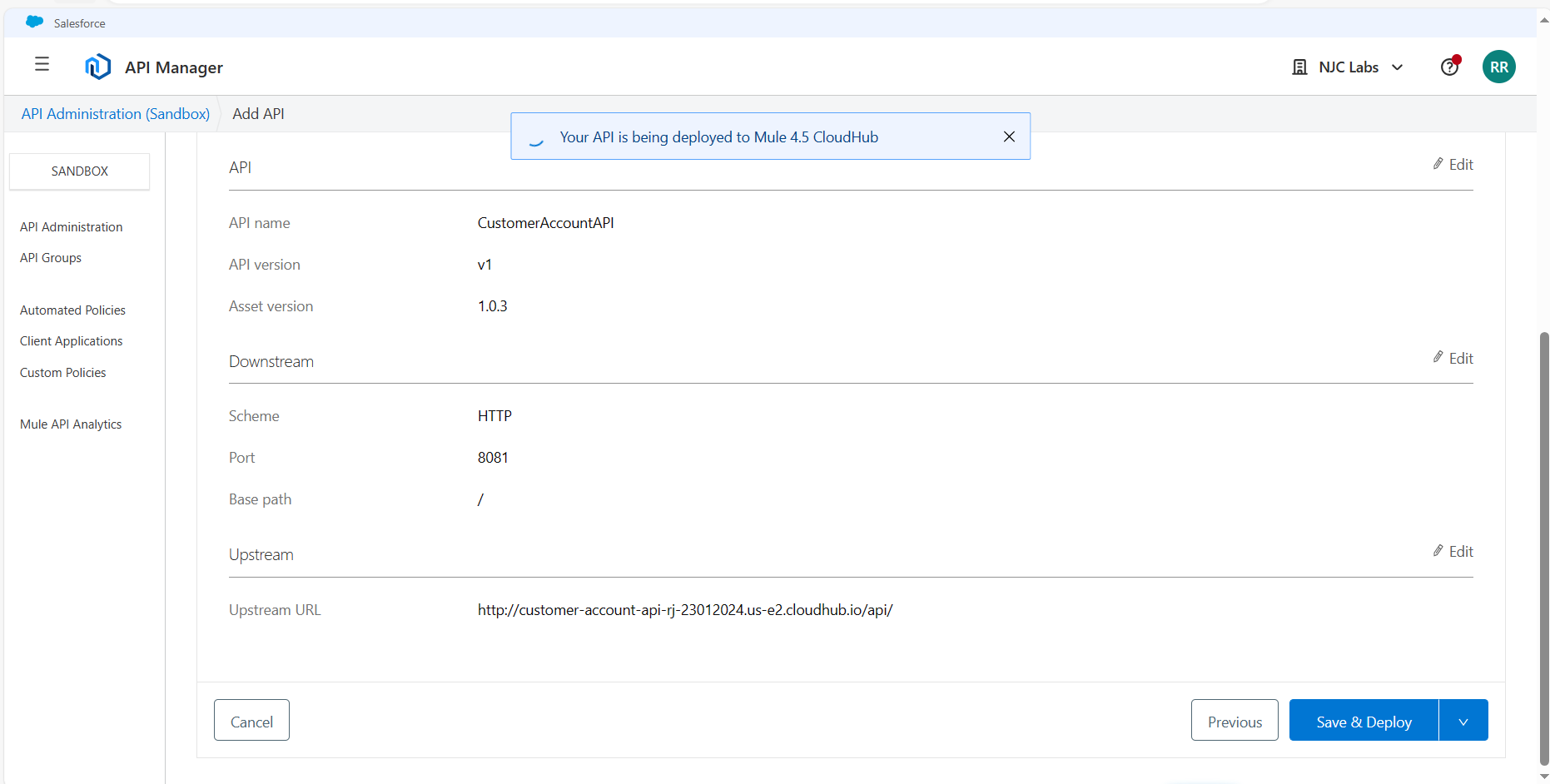


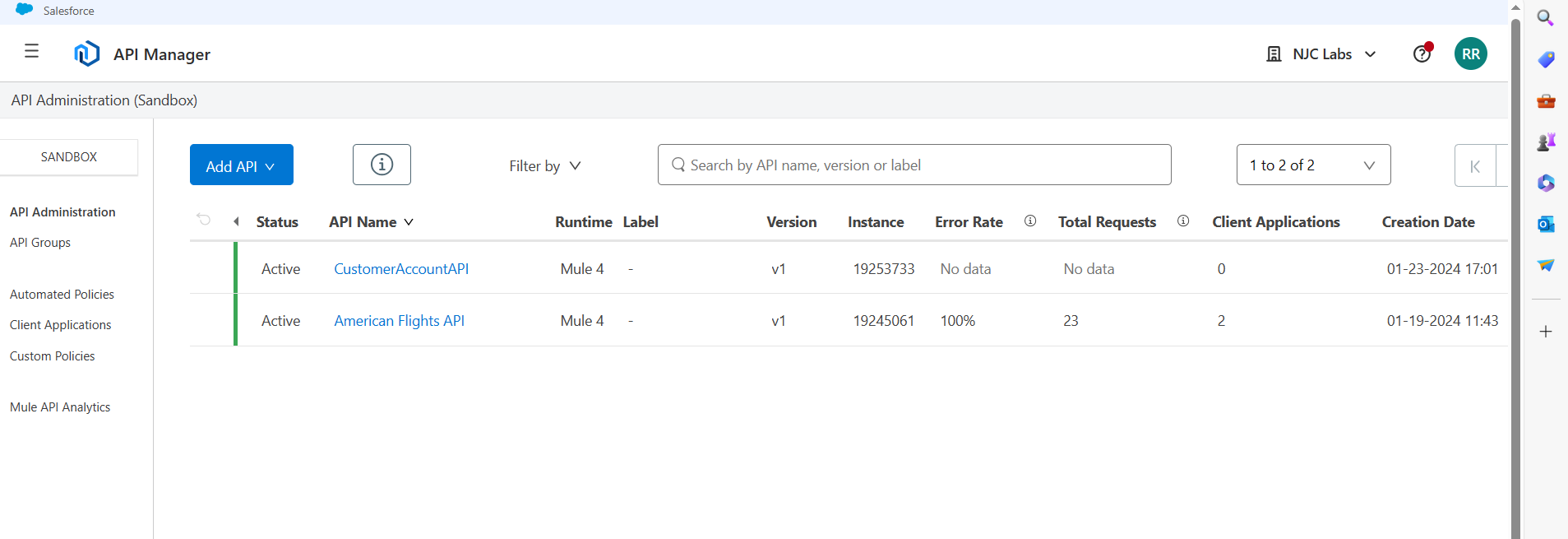


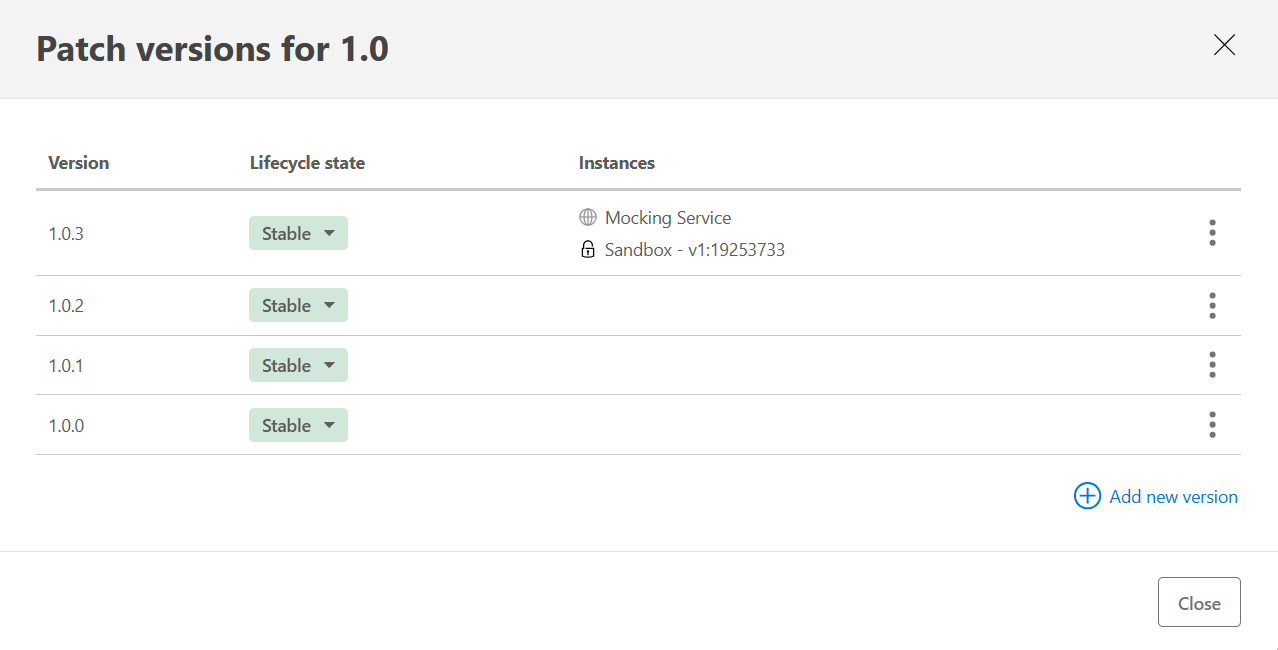




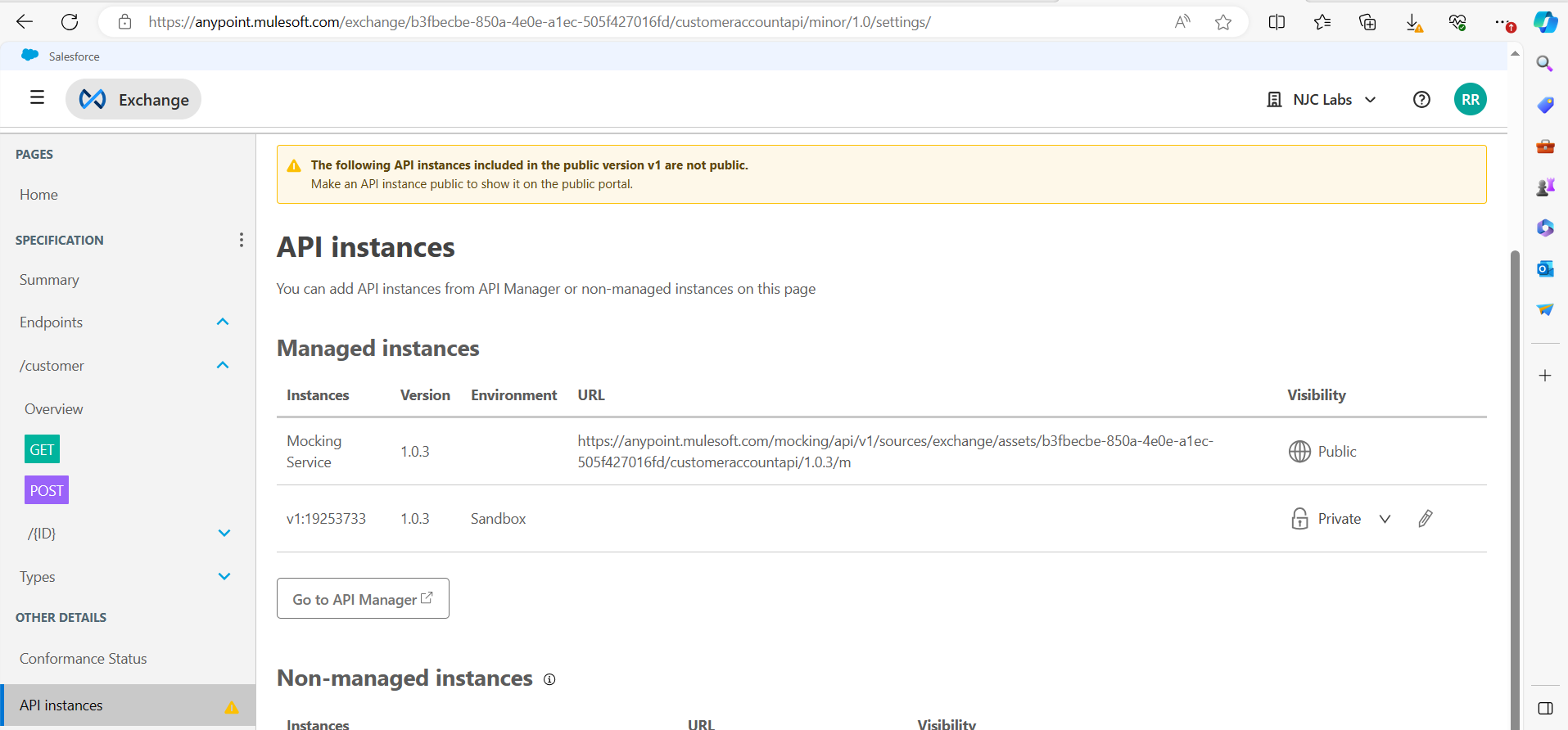






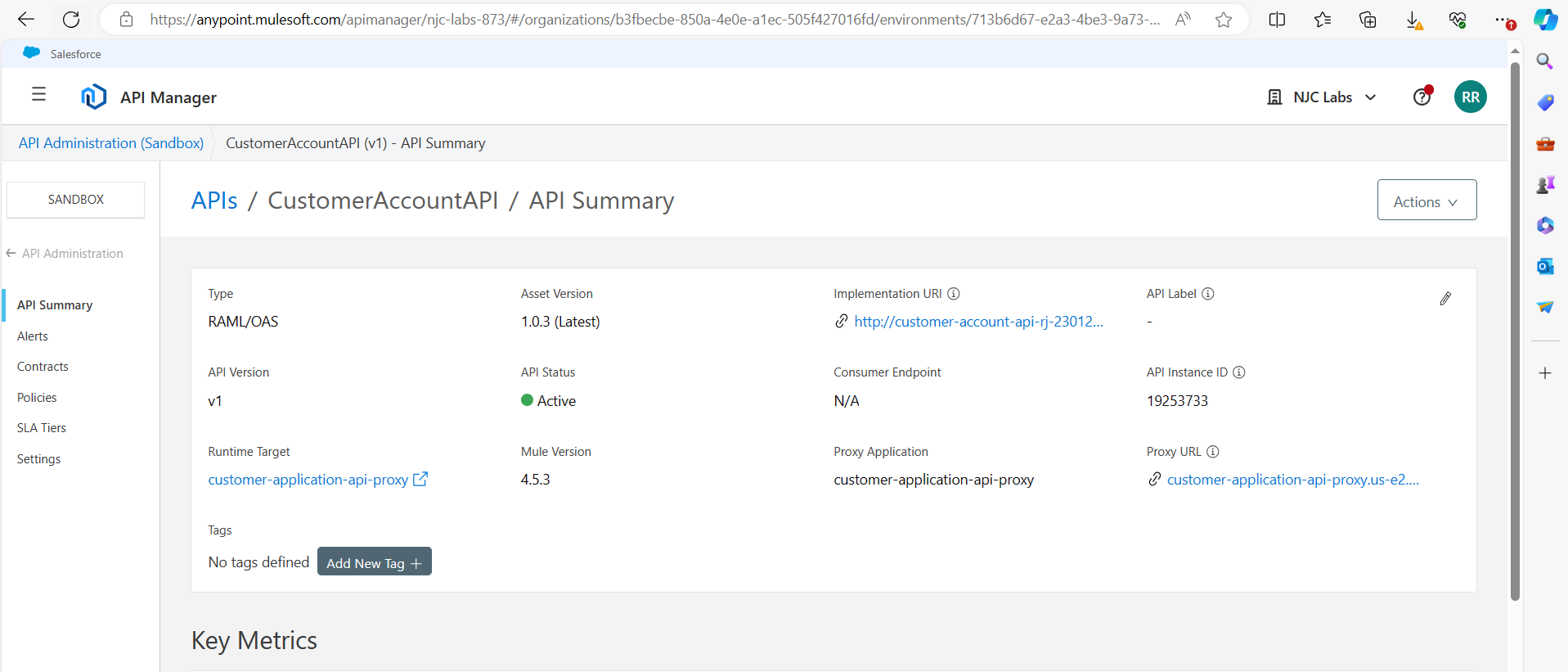


New Proxy does not have a URL:



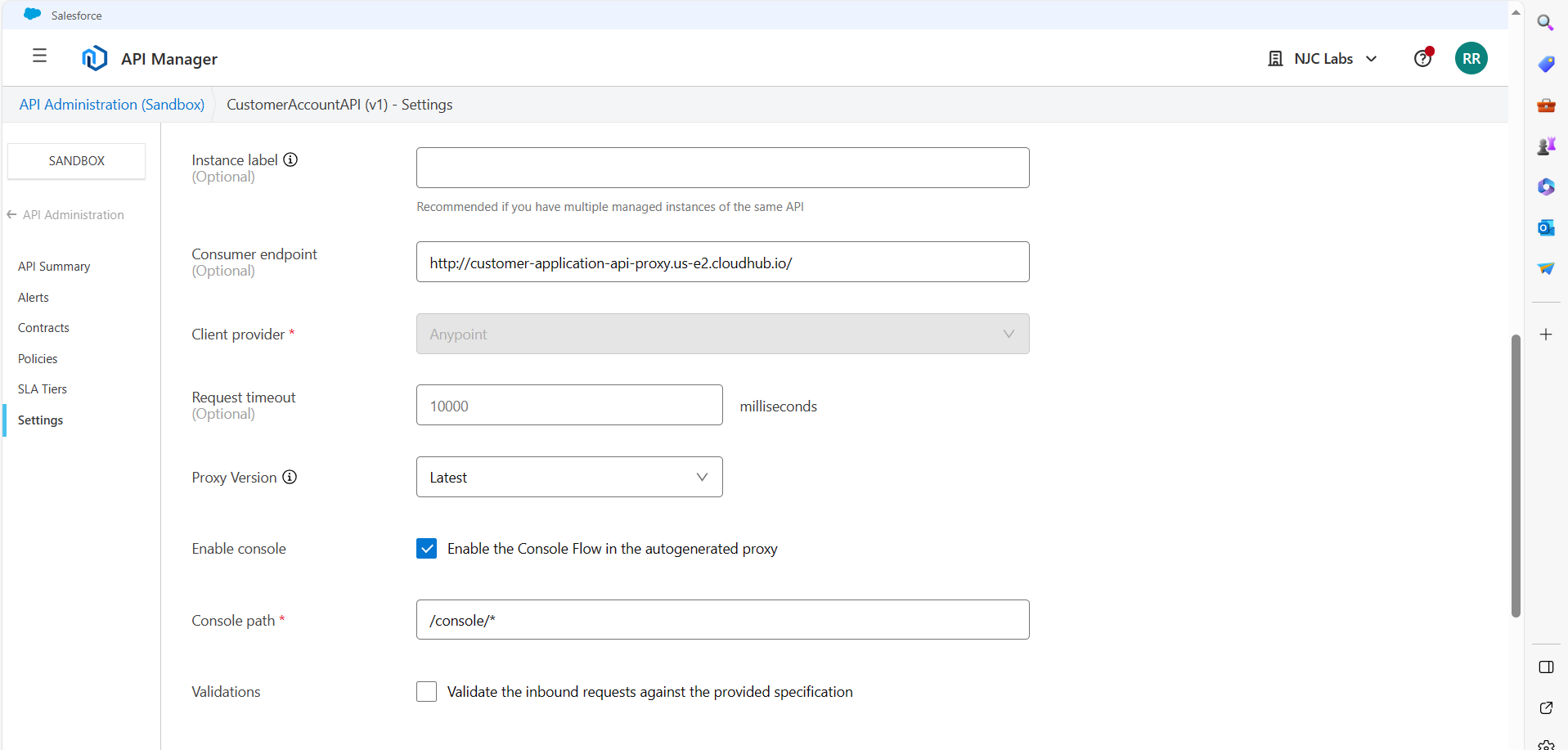
Set a consumer endpoint for the proxy in API Manager

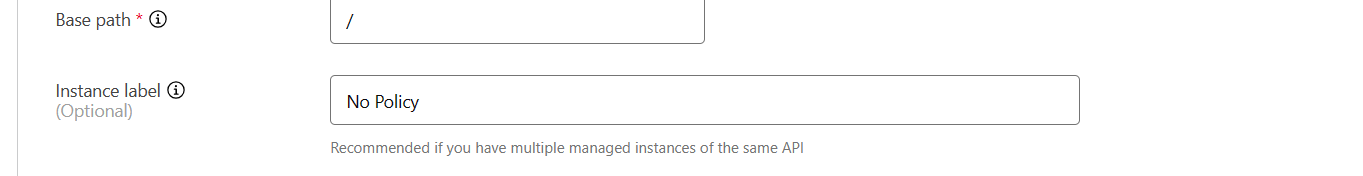
From API Manager: Copy the Proxy url and got to Settings



<http://customer-application-api-proxy.us-e2.cloudhub.io/>

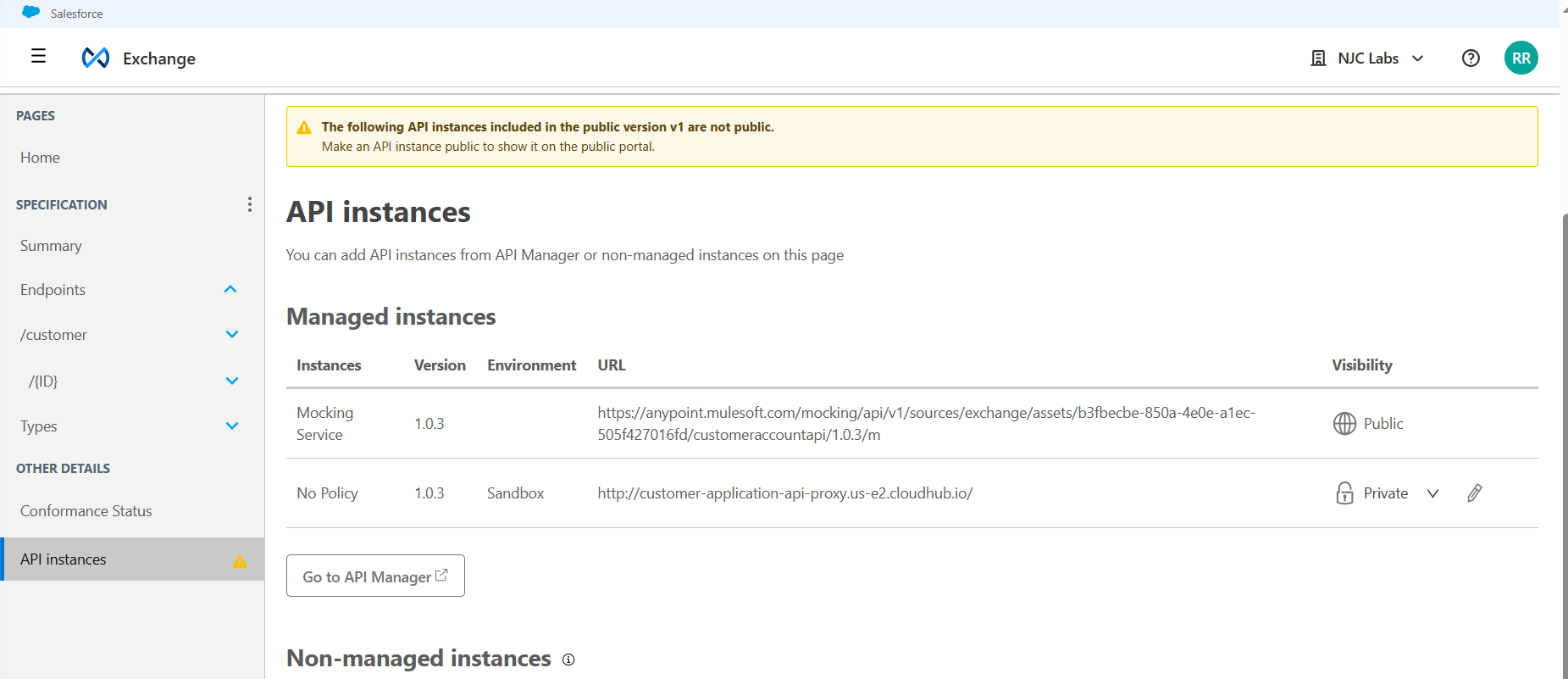
Copy it in Consumer end point, also set the label to No policy



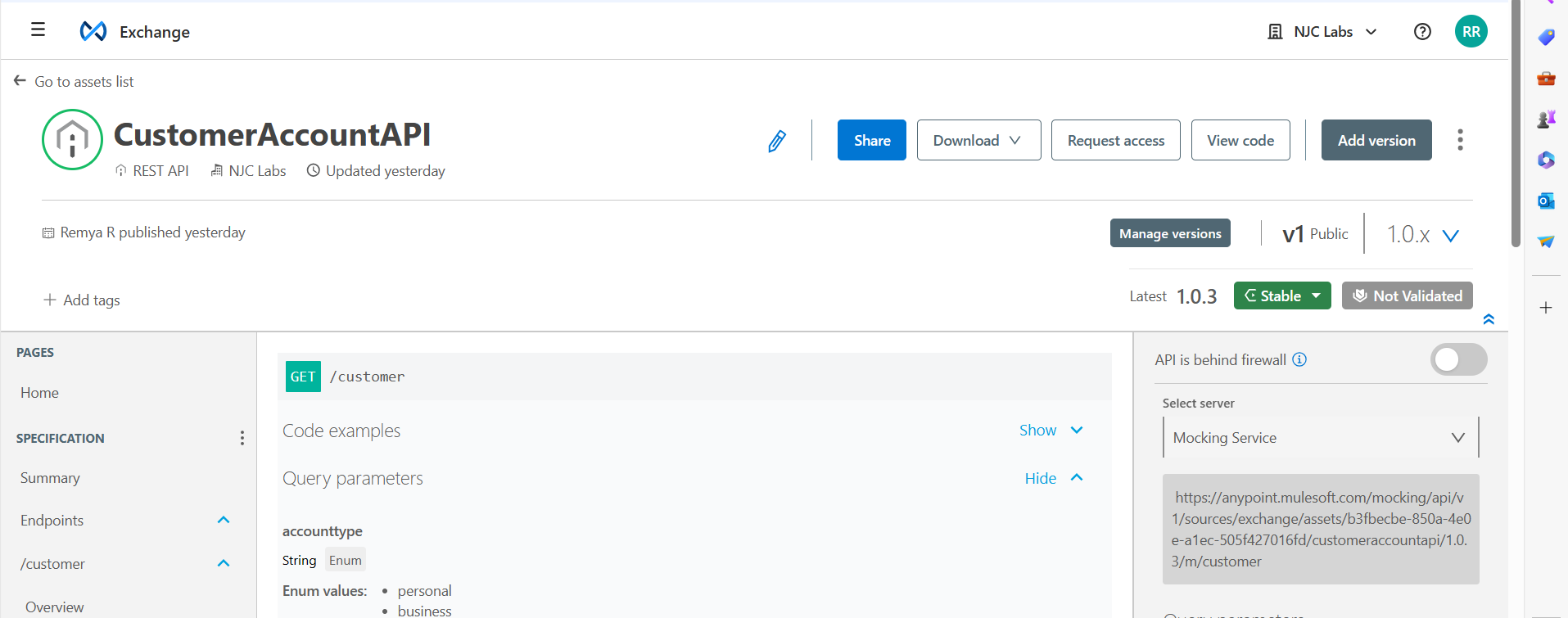


Make requests to the API proxy from Exchange

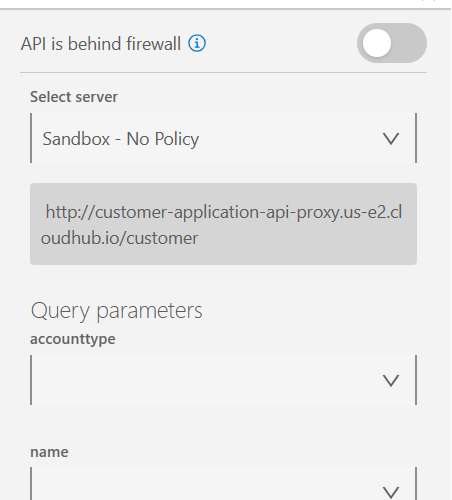
Go to the Exchange tab and refresh API instances:



We can see the mocking service in the left side

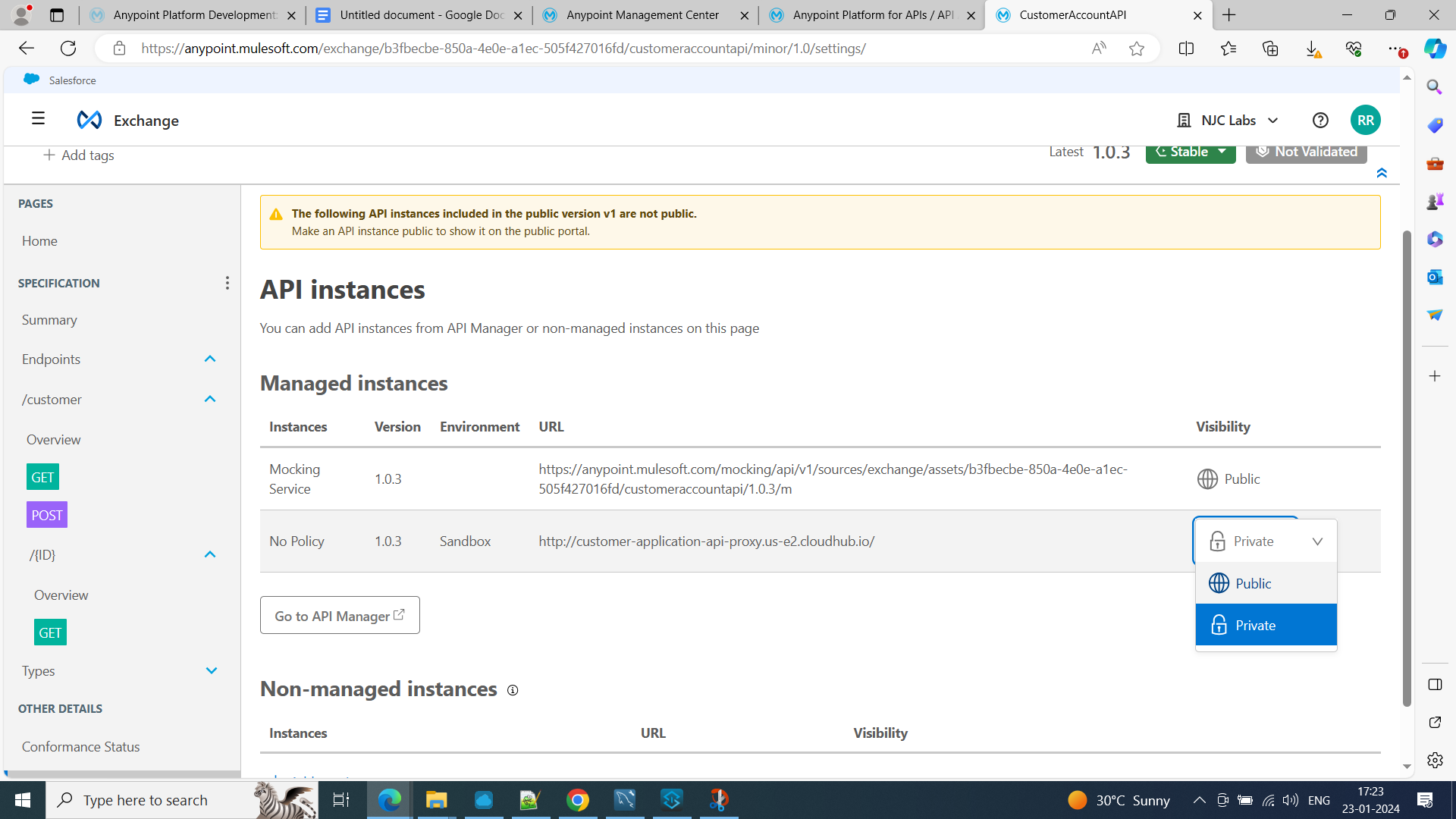


Select Sandbox-No Plicy and hit send button





Then make instance to Public

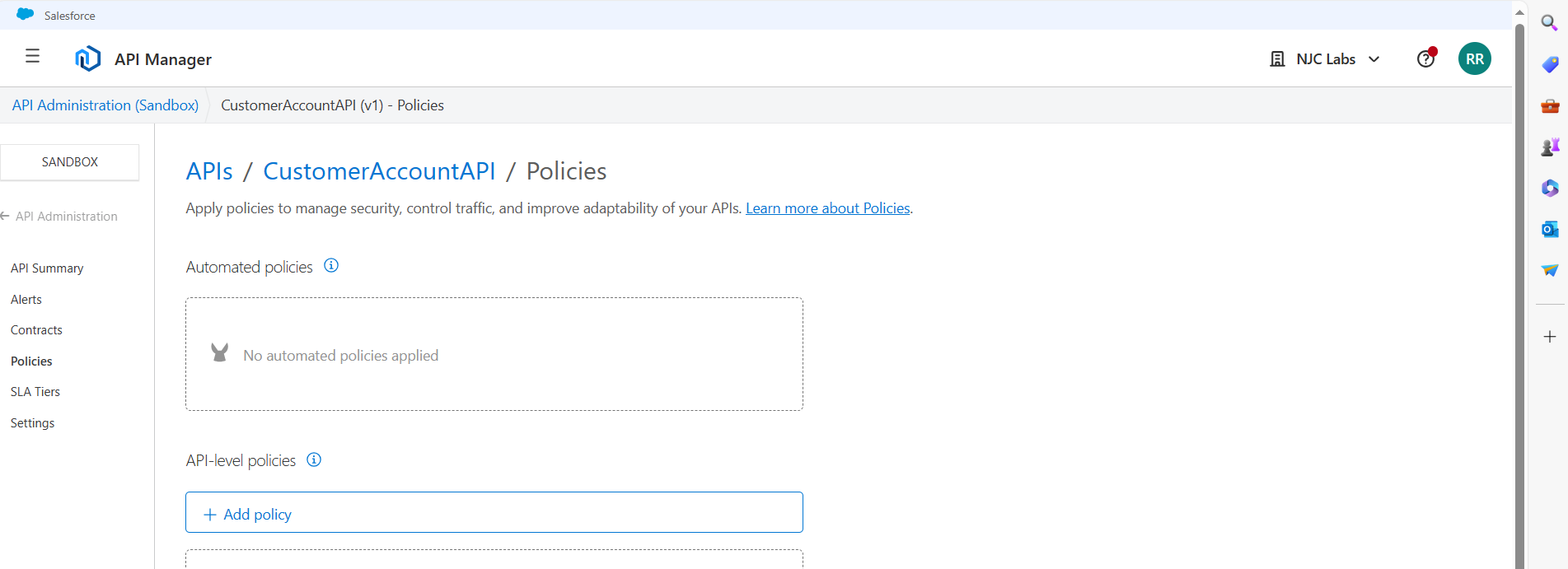


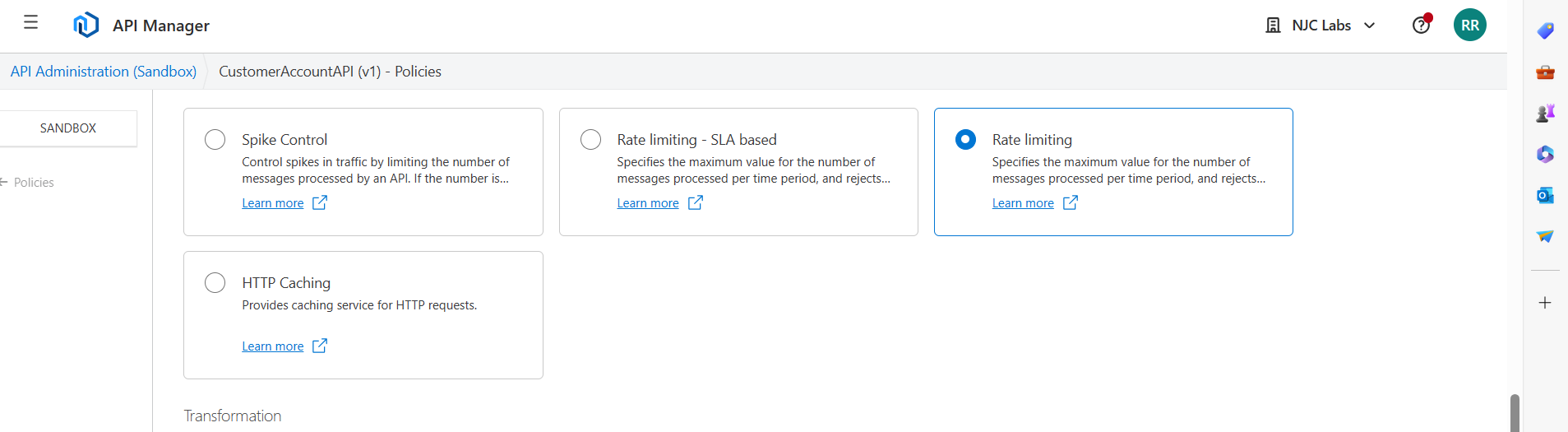
Test in ARC

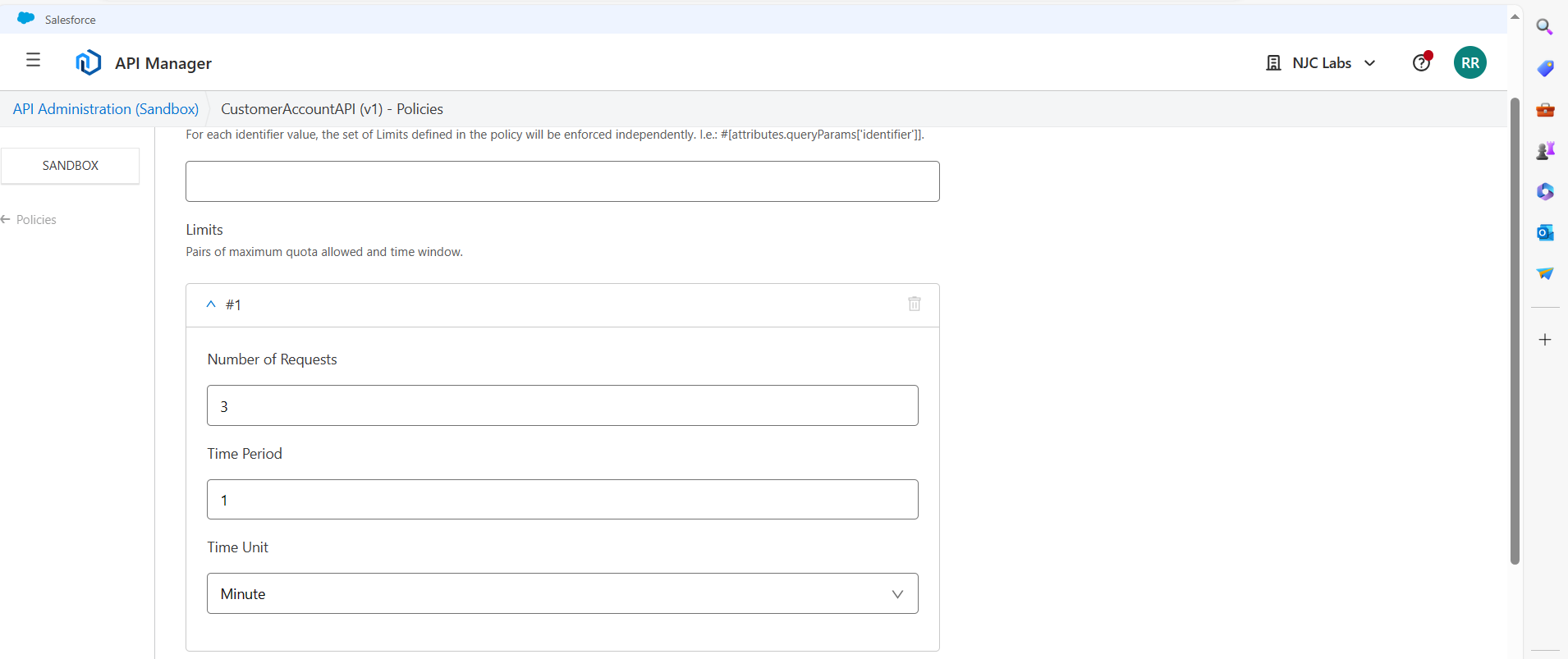


**Restricting access to API’s**

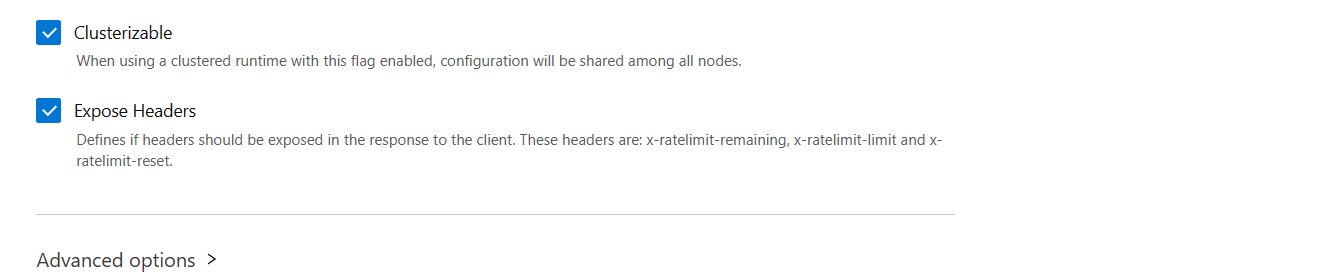
Create a rate limiting Policy

****

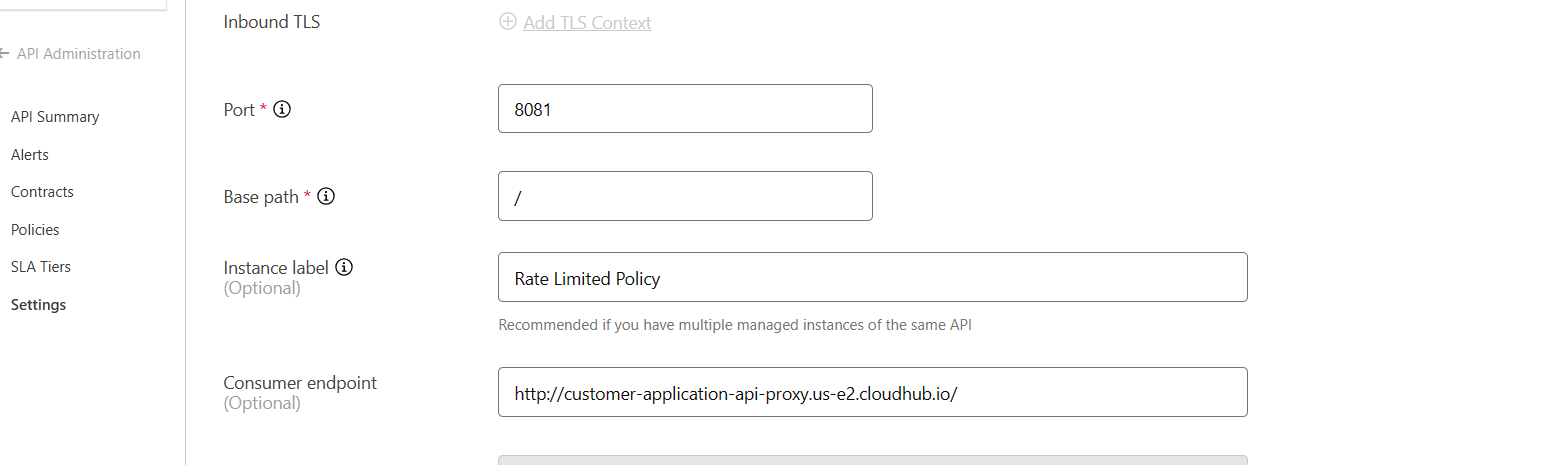
****

****

Select Expose Headers

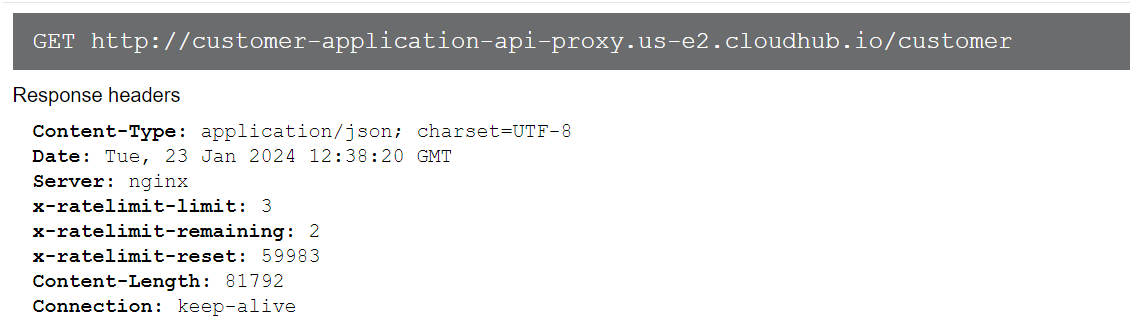


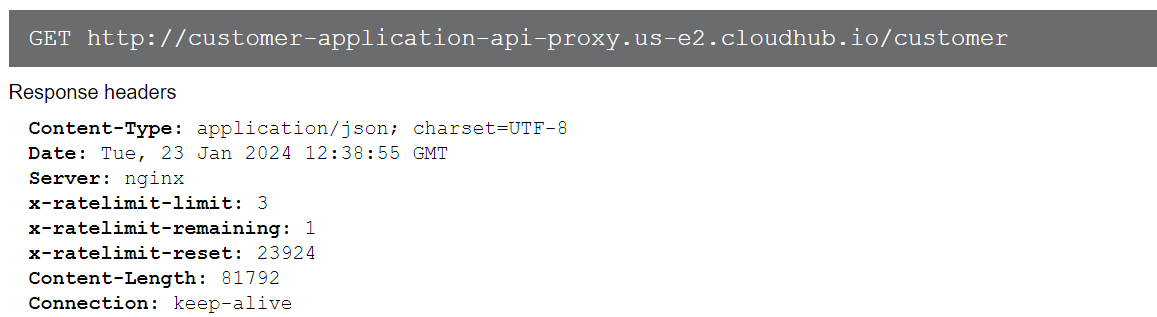
In the Settings, change instance label to Rate Limited Policy

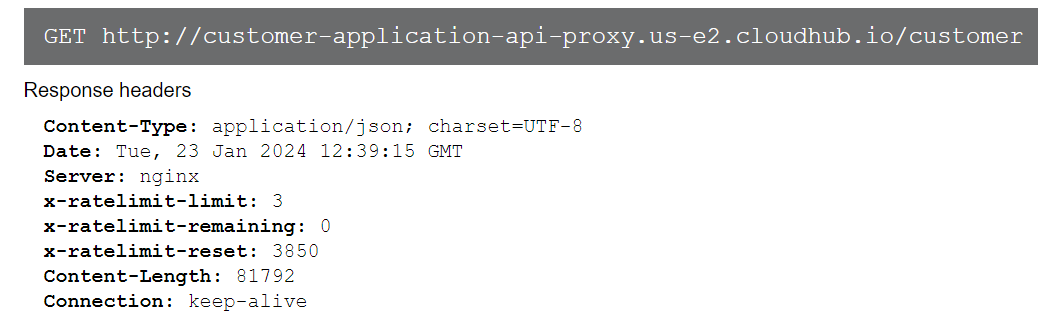


Test in ARC:

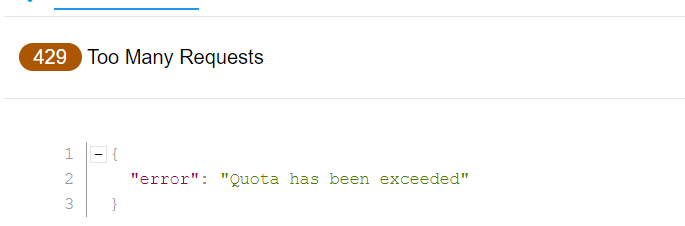
Check Headers:



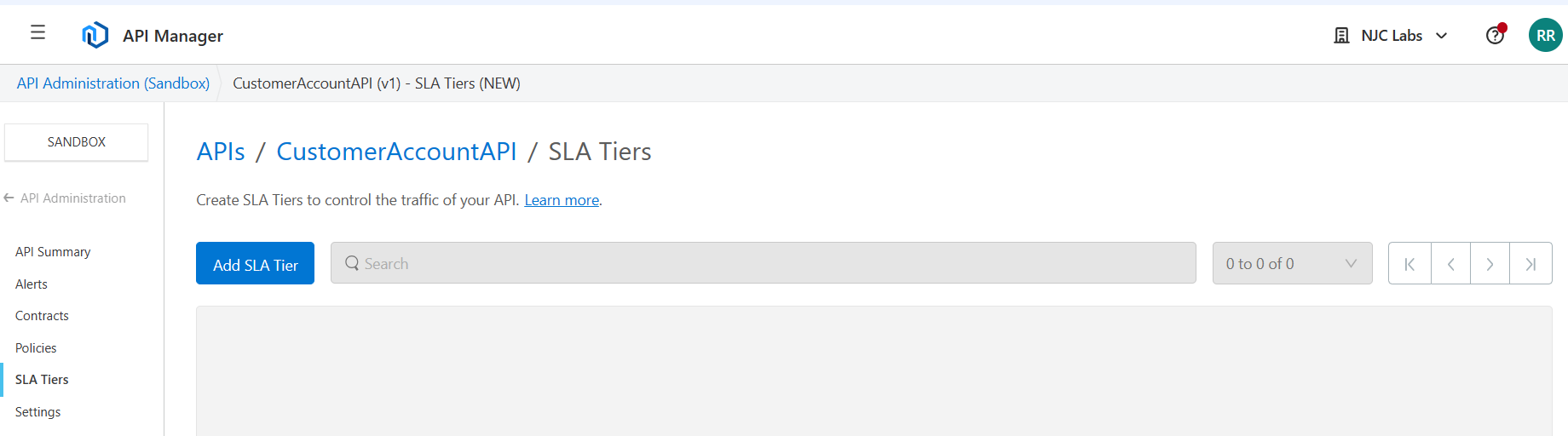


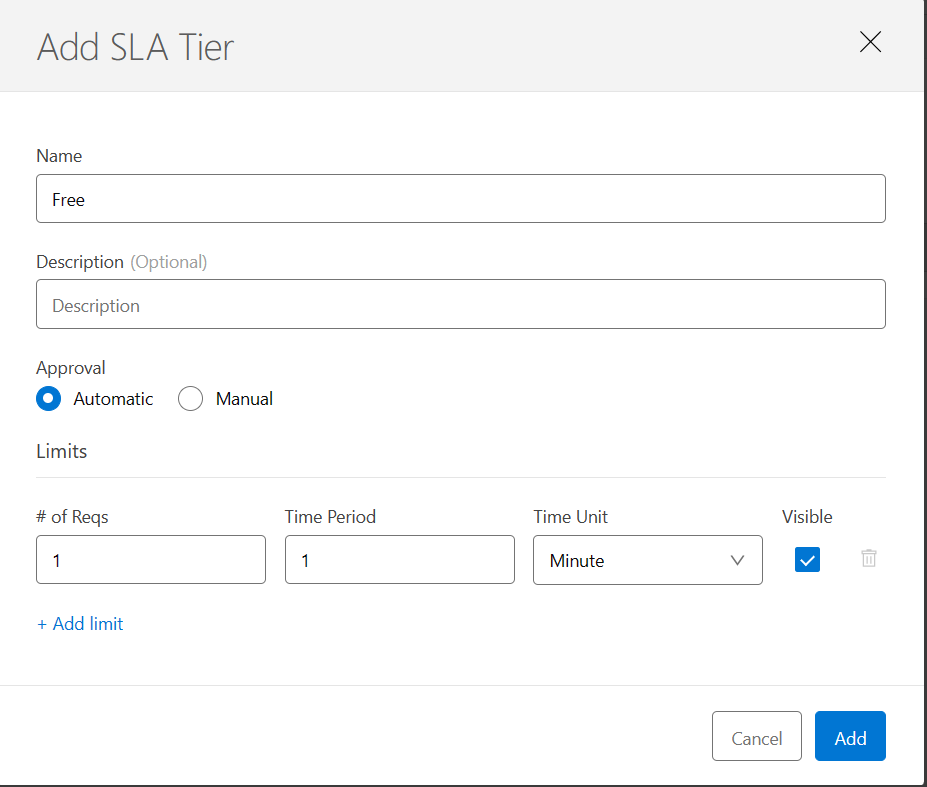


After 3 hit in 1 min :

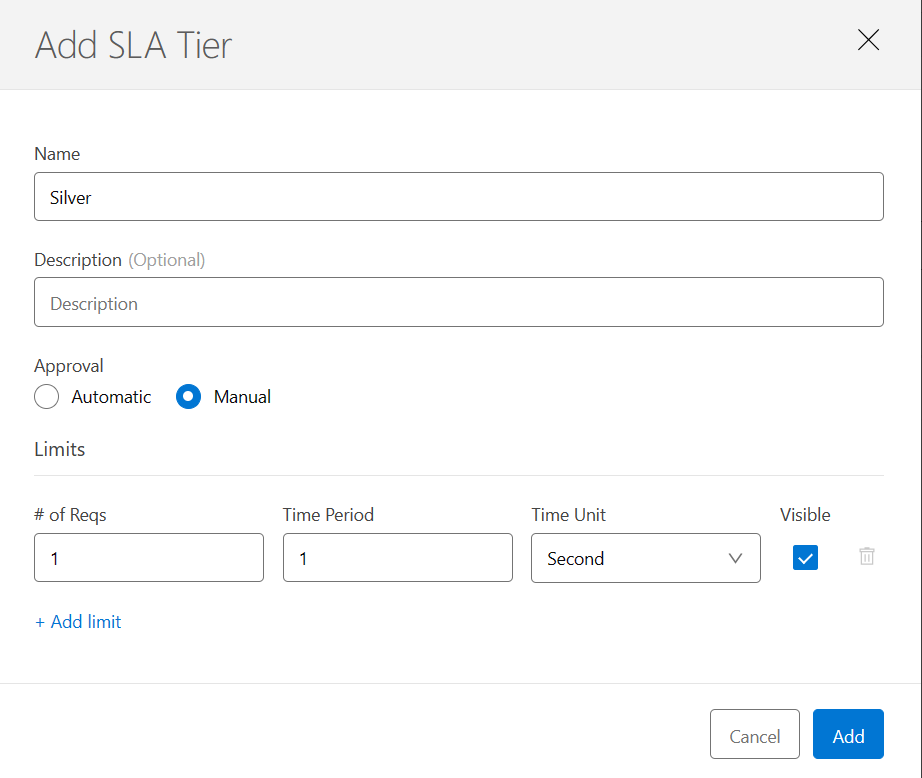


**Create SLA Tiers:**

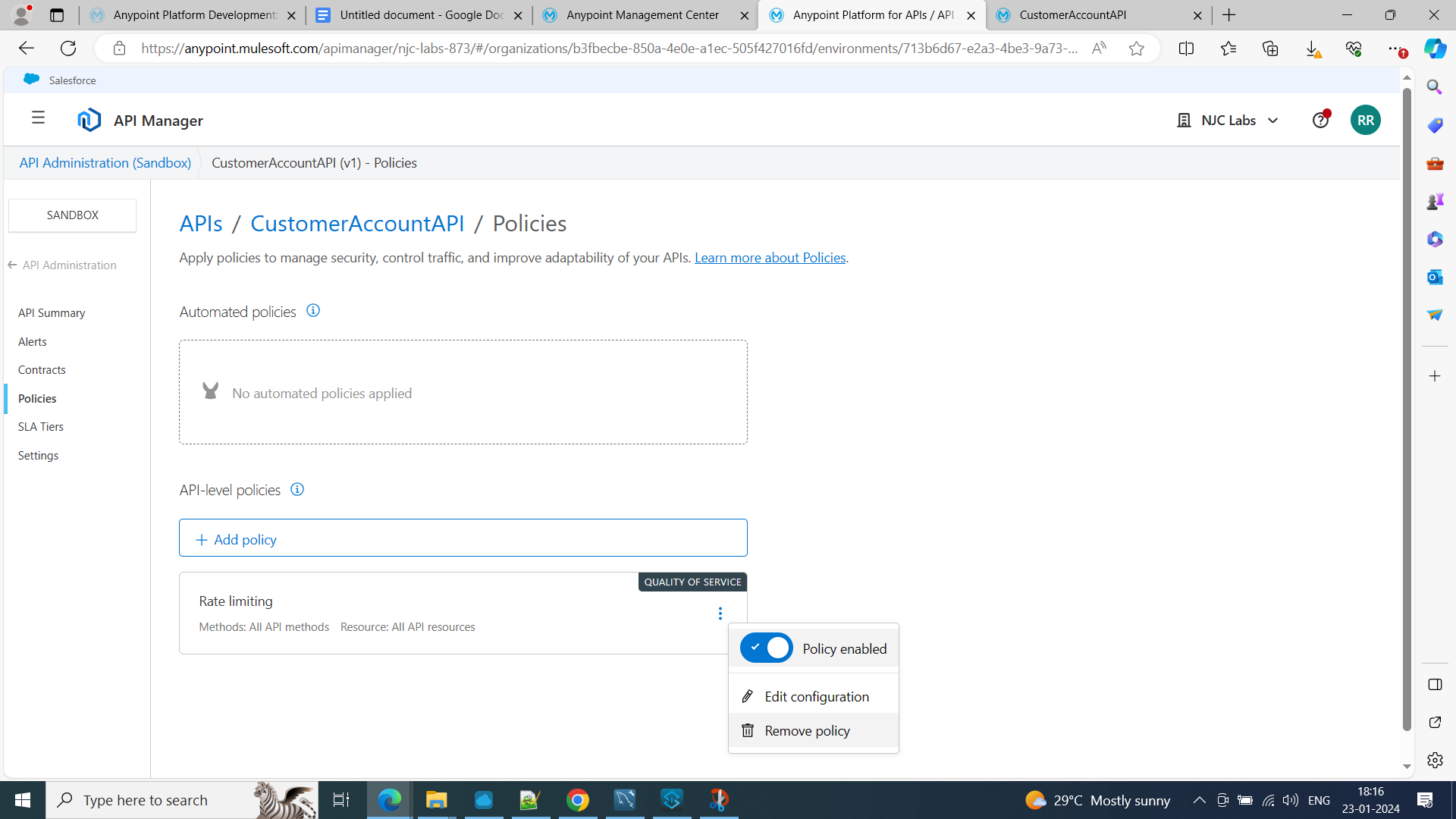
****

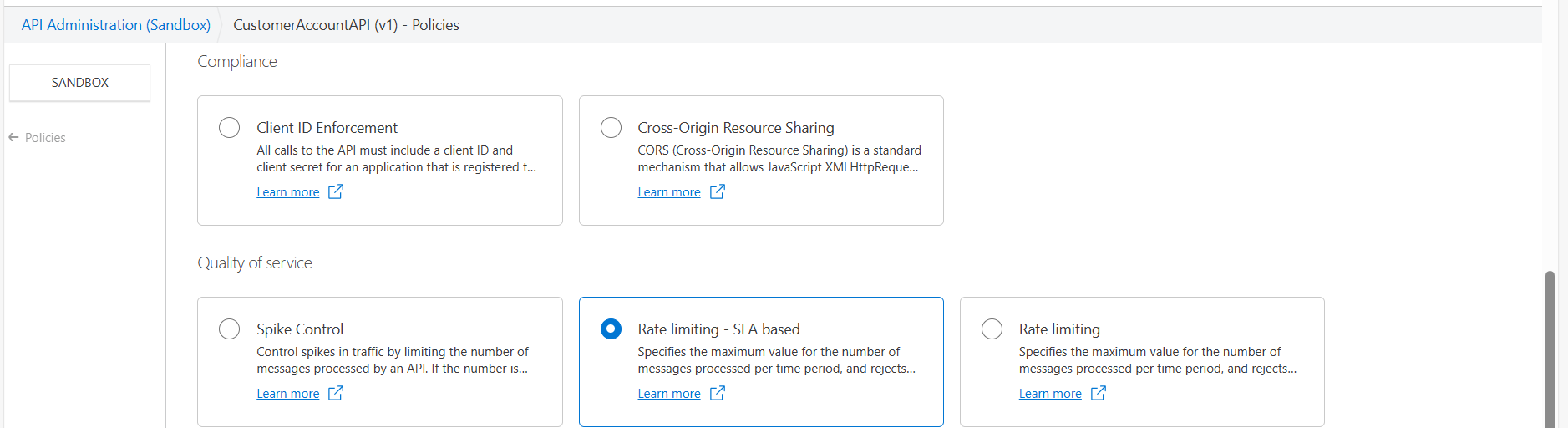
****

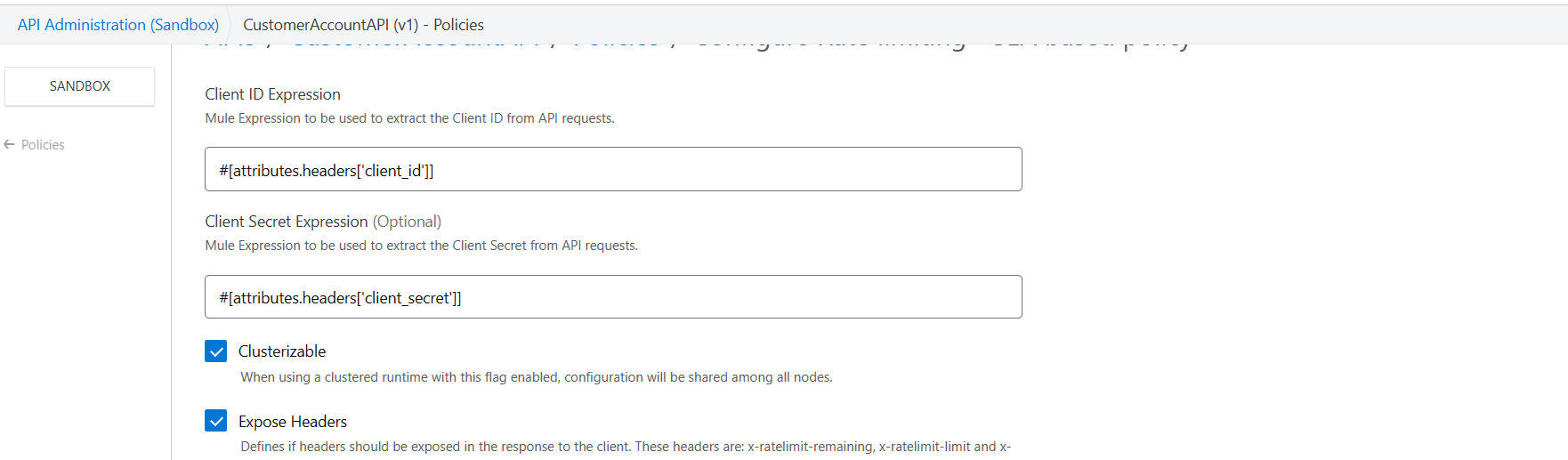
Create a second SLA tier with Manual Approval



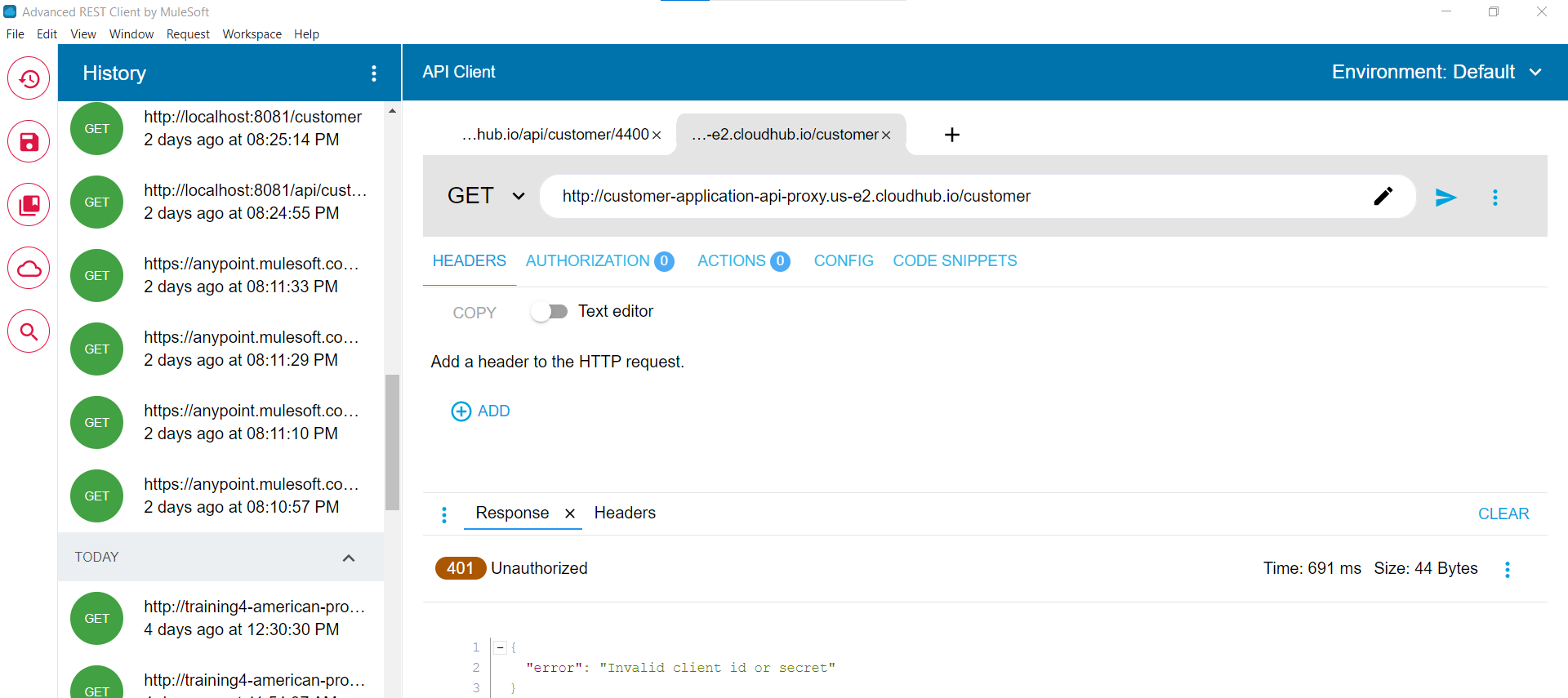
In the Policies, Remove Rate Limiting Policy , and add Rate Limiting Policy



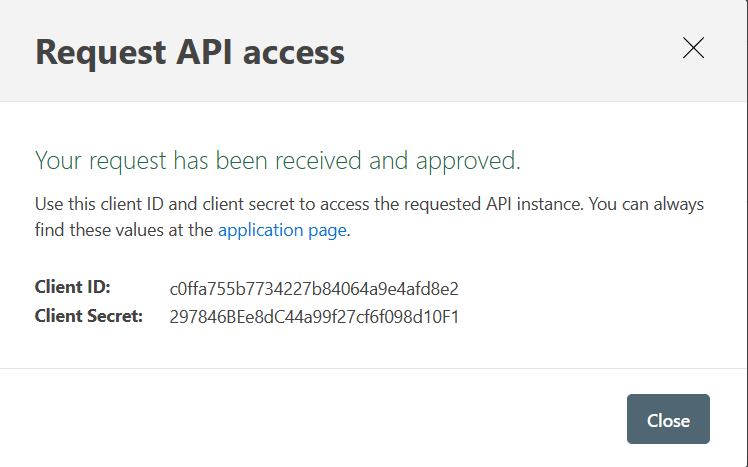




Test in ARC, we will get Invalid Client Id and Secret Id



**Granting access to API’s**

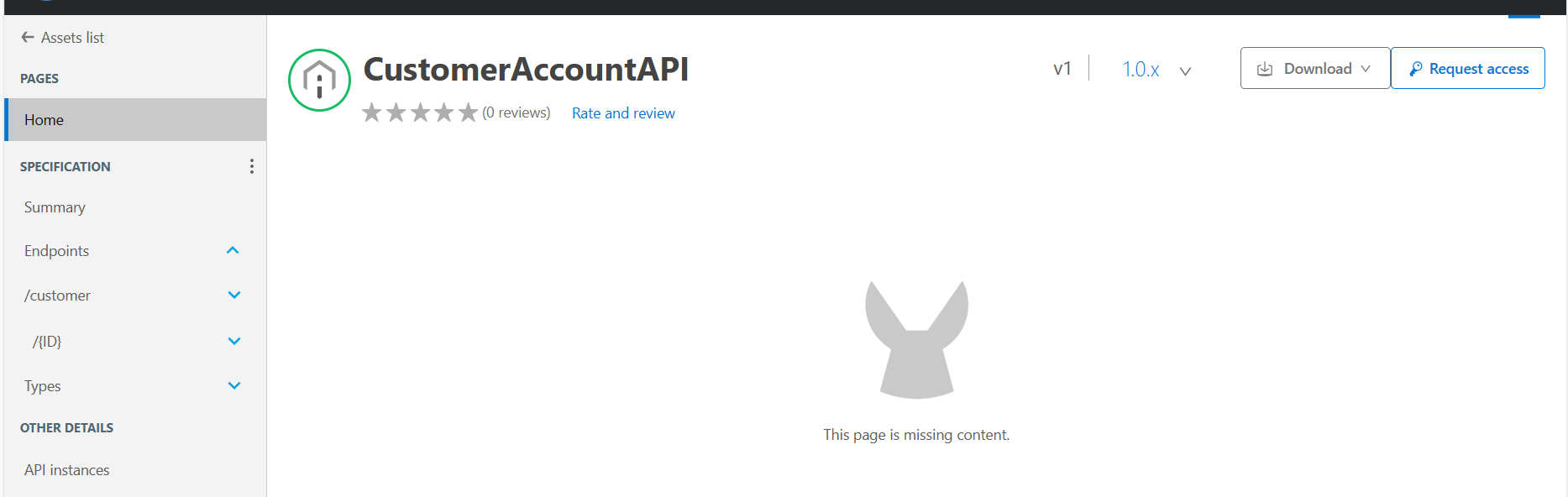


Client ID: c0ffa755b7734227b84064a9e4afd8e2

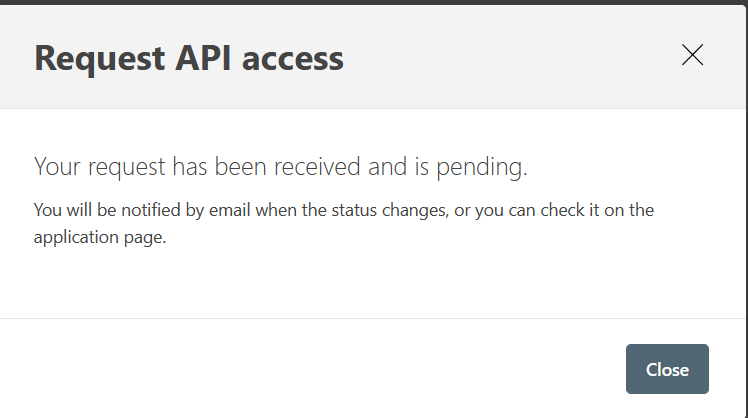
Client Secret: 297846BEe8dC44a99f27cf6f098d10F1

**Request access to the API as an external consumer**

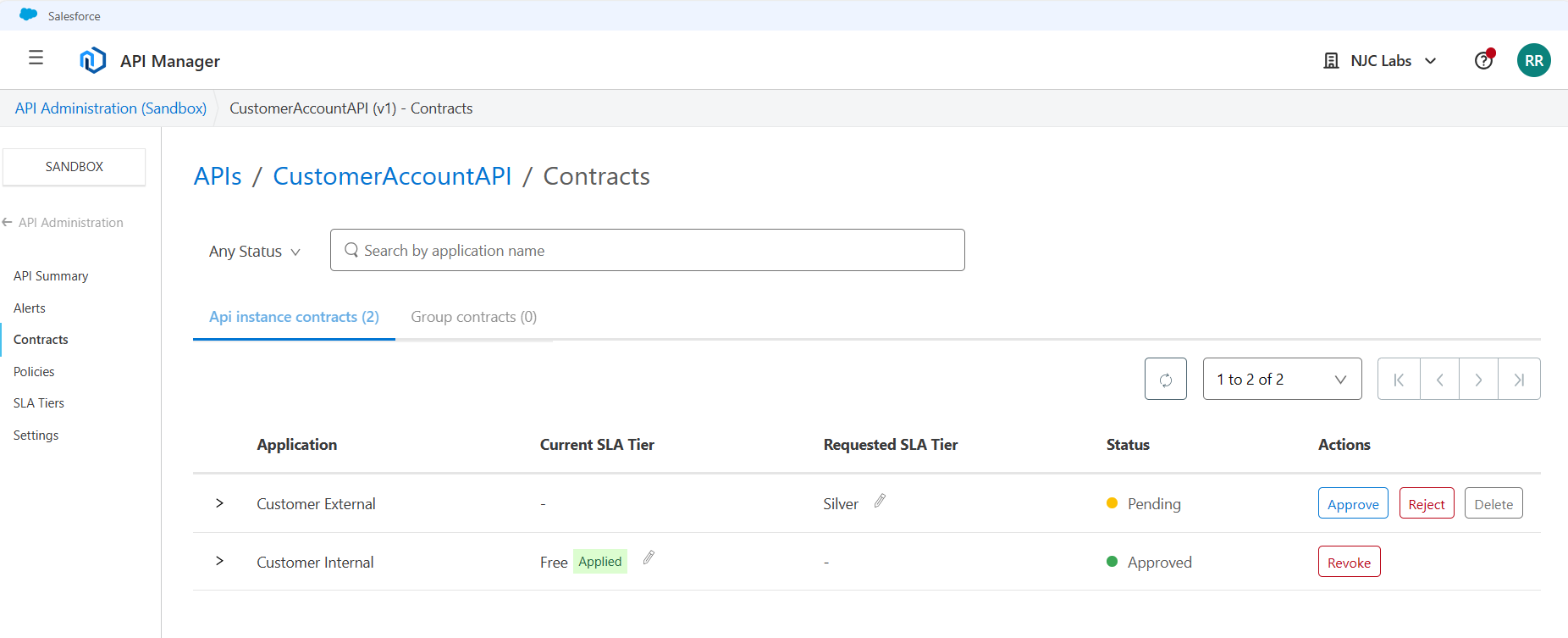
In the public portal:

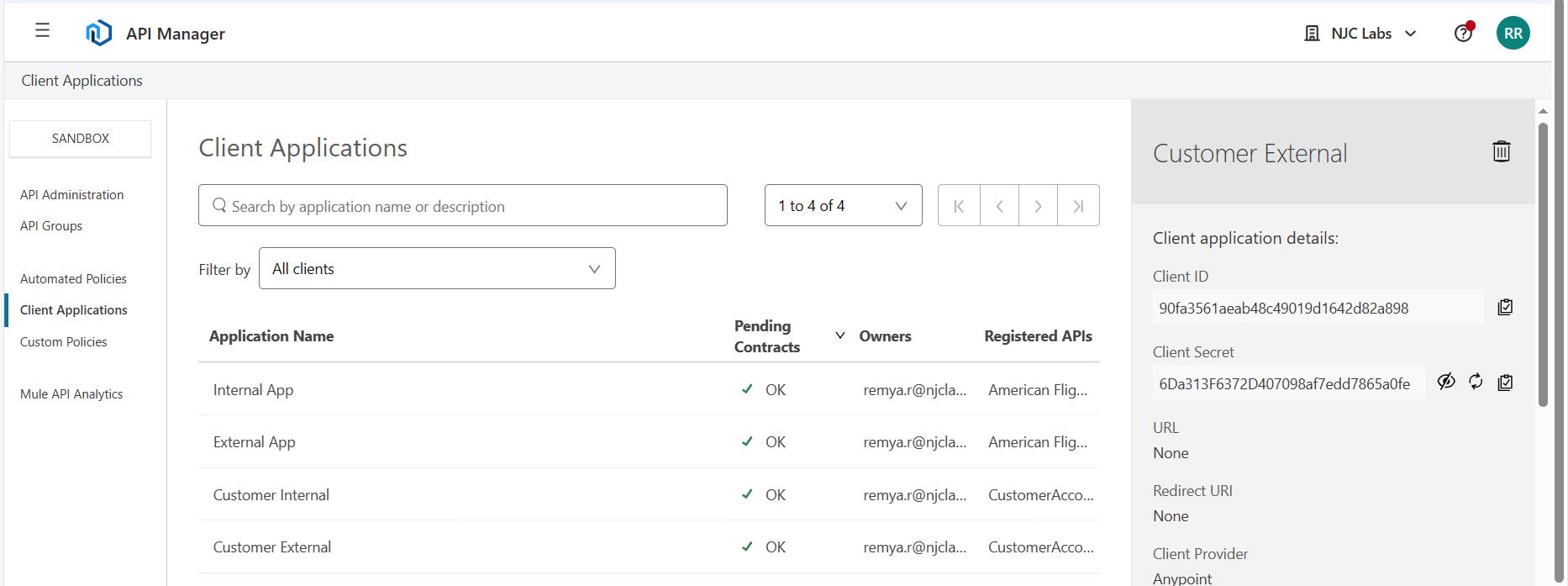


Request access:



In the exchange - Contracts:

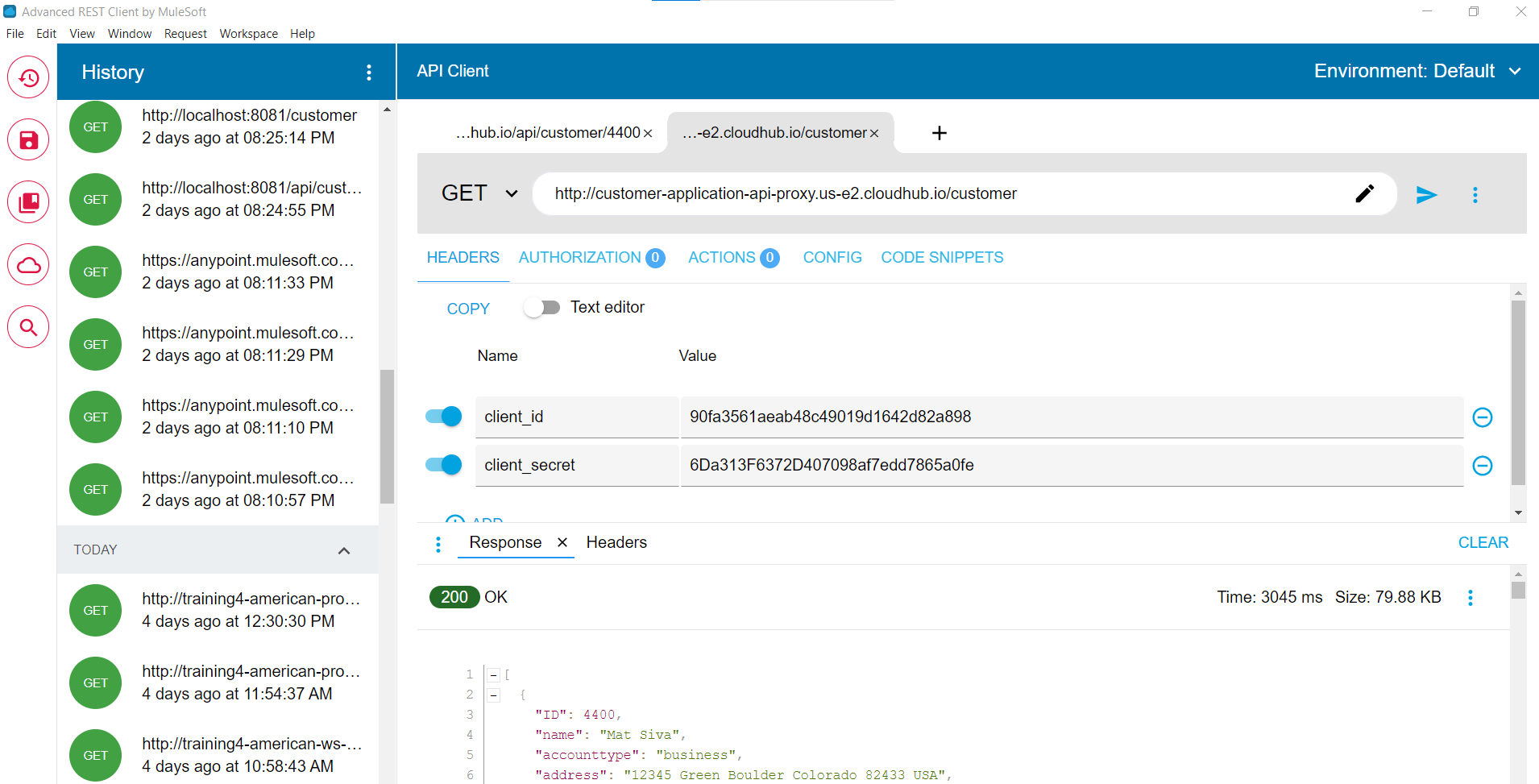




Client Id: 90fa3561aeab48c49019d1642d82a898

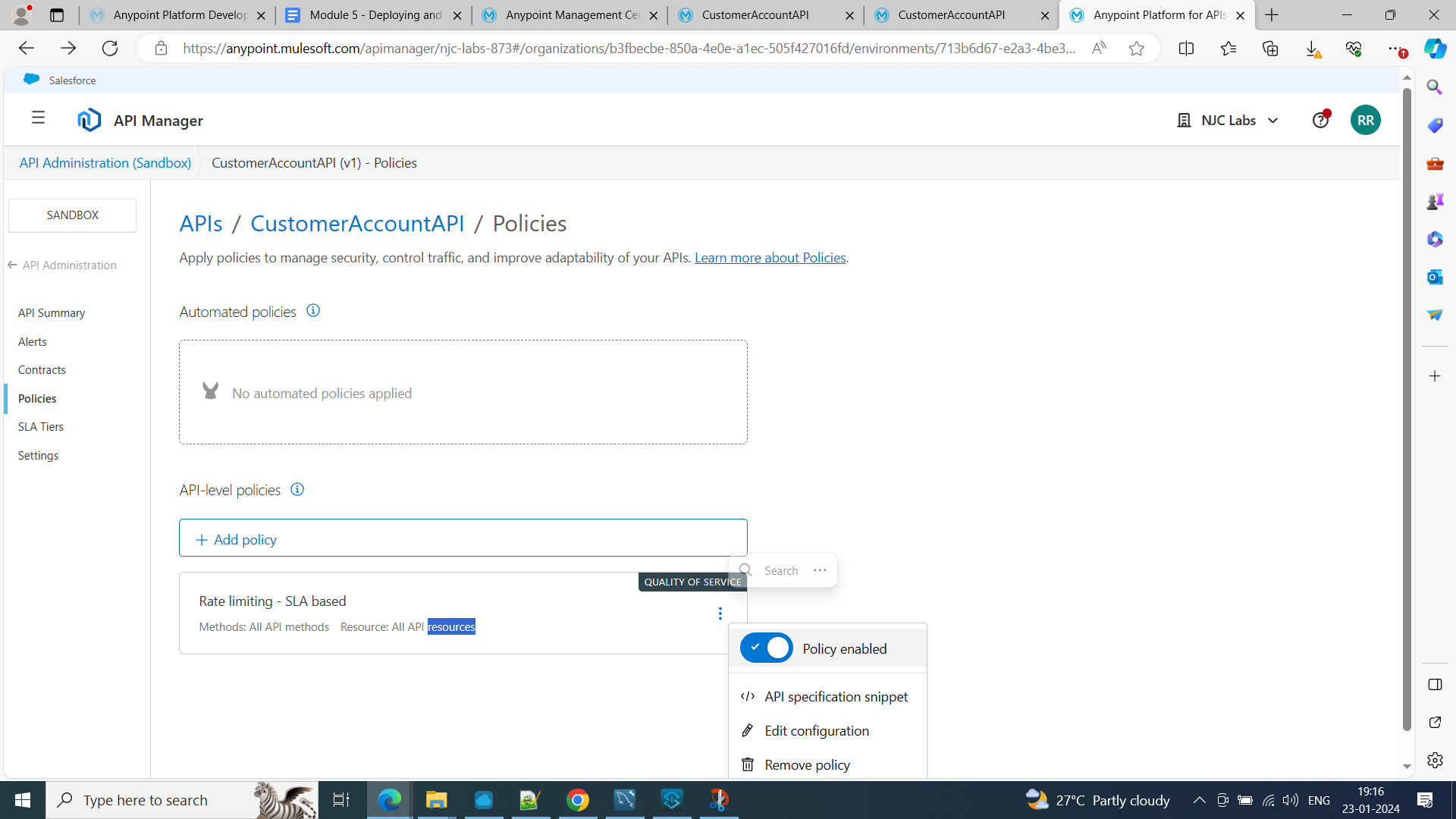
Client Secret: 6Da313F6372D407098af7edd7865a0fe

Test in ARC

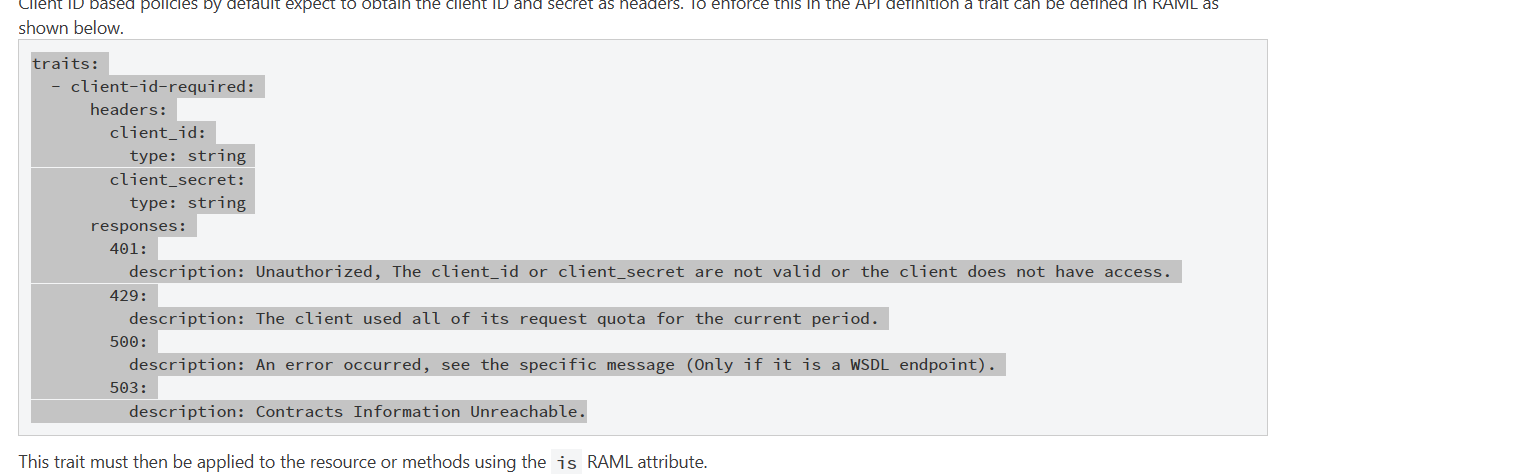


**Add Client ID enforcement to an API Specification**

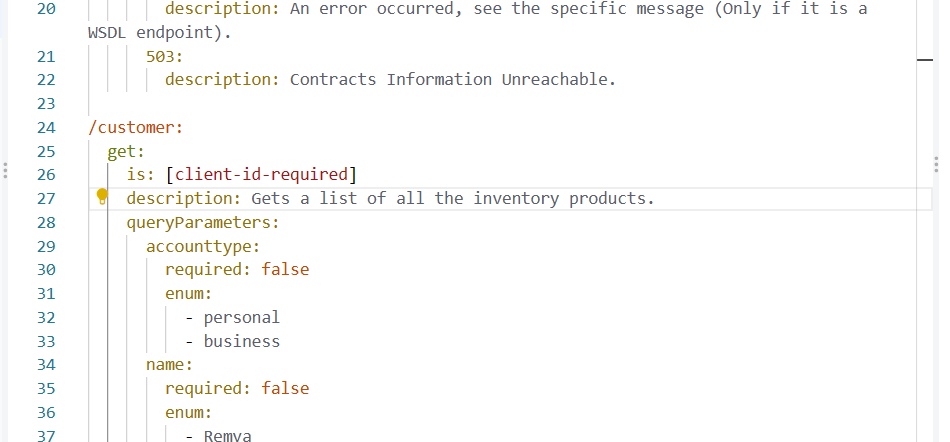
API Manager -> Policies->API Specification snippet



Copy traits and paste in RAML specification:







In the console:



