

Instructions to use CAPIF APIs with Postman

EVOLVED-5G

10/01/2022 EVOLVED-5G

Prerequisites

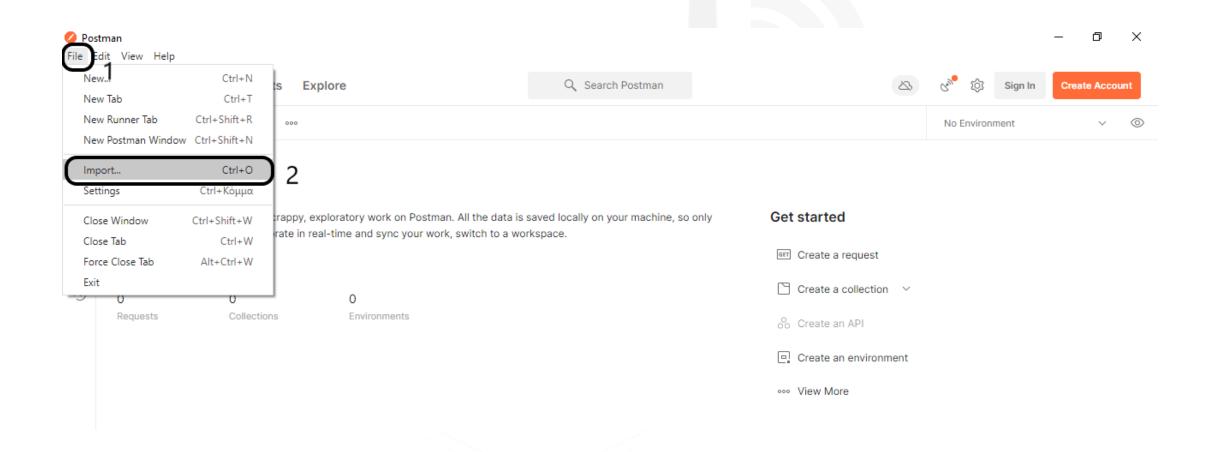


- Install POSTMAN
 - Postman is an API platform for building and using APIs.
 - Download from: https://www.postman.com/downloads/
 (for Linux distros, POSTMAN is available also in the corresponding Software Center Application)

Clone CAPIF Tool from Github and deploy

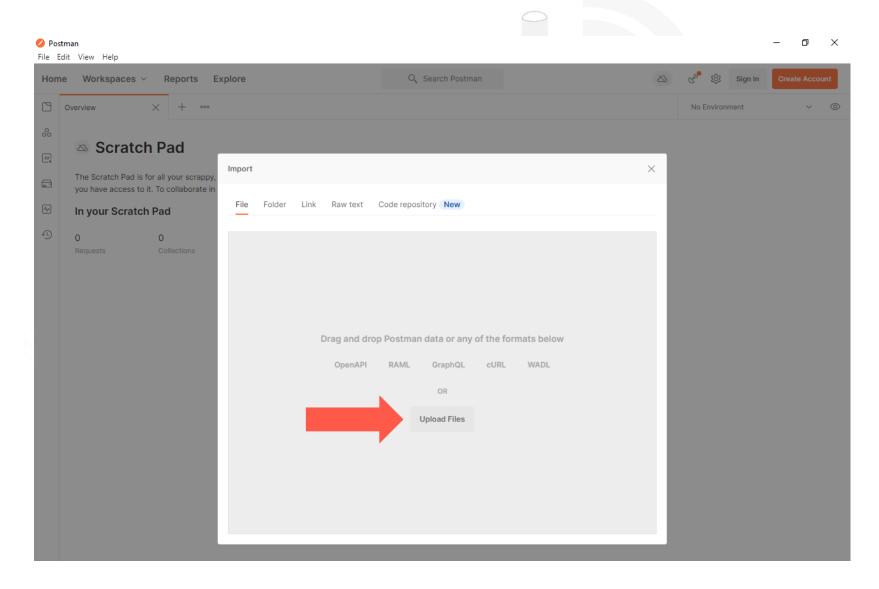
Open POSTMAN





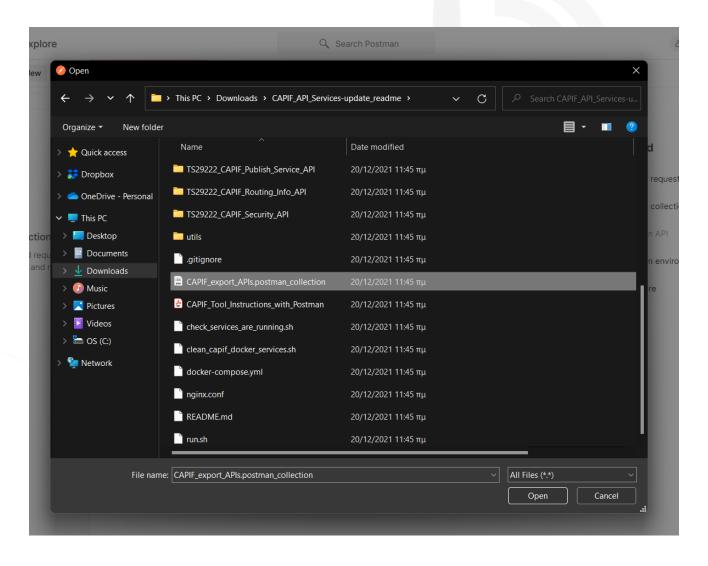
Import Menu





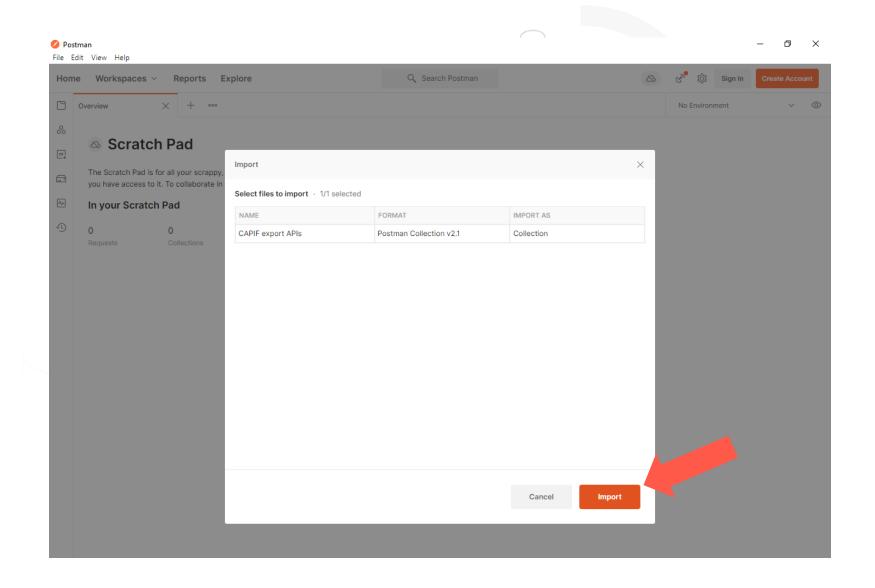
Select "CAPIF_export_APIs.postman_collection.json"





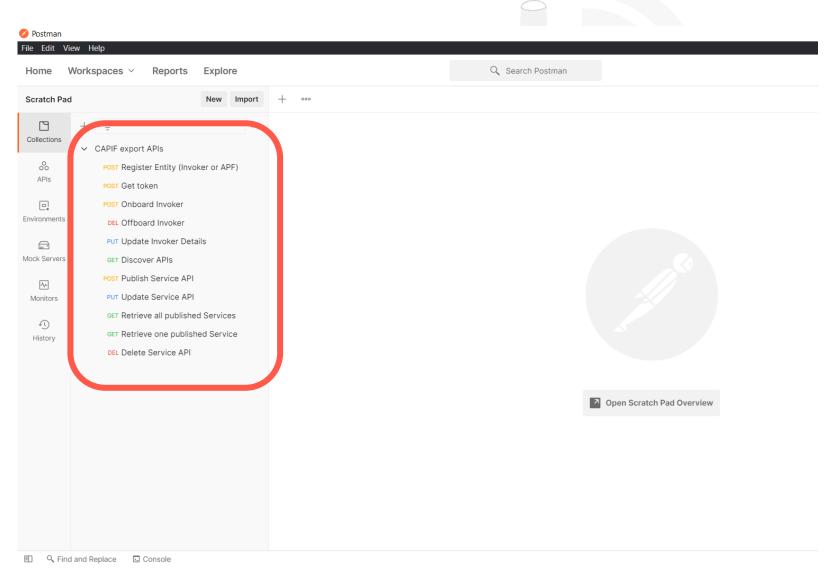
Final Import





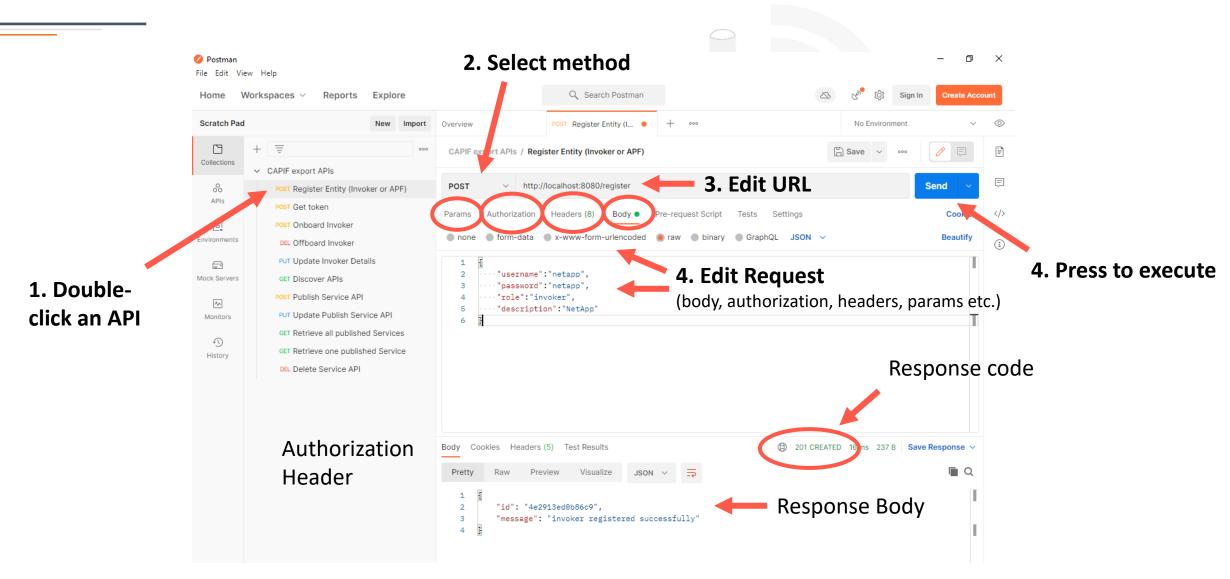
List of CAPIF APIs imported





Process of Executing an API call

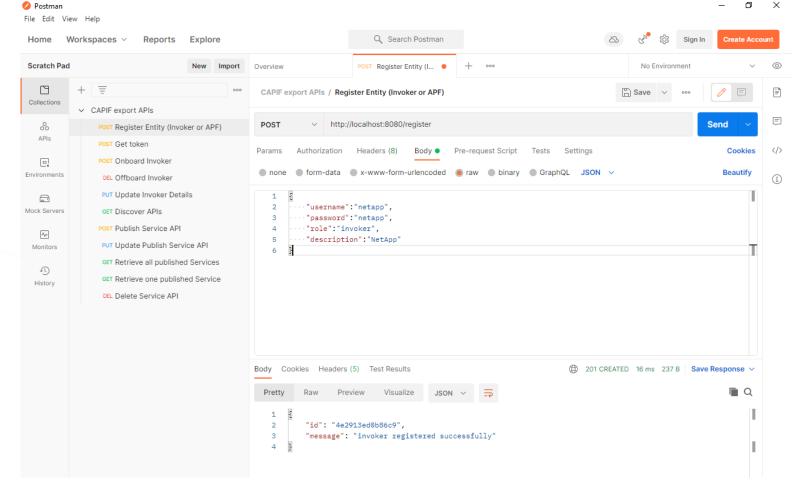




Register Entity (NetApp)



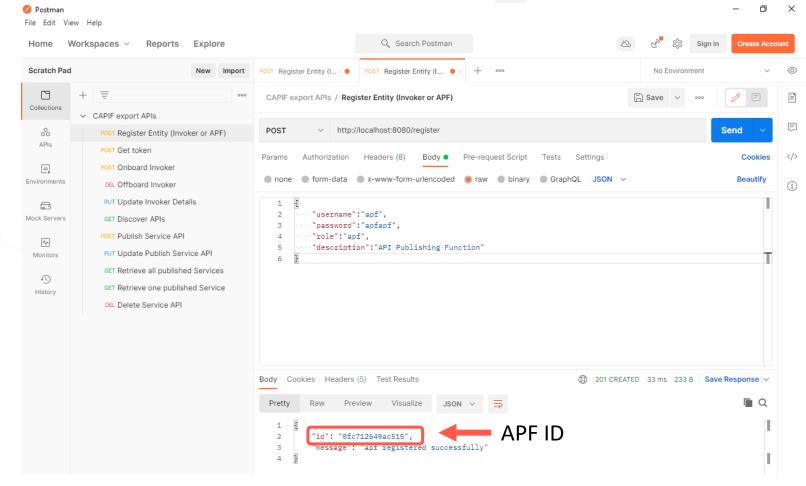
POST http://<CAPIF Host IP>:8080/register



Register Entity (APF)



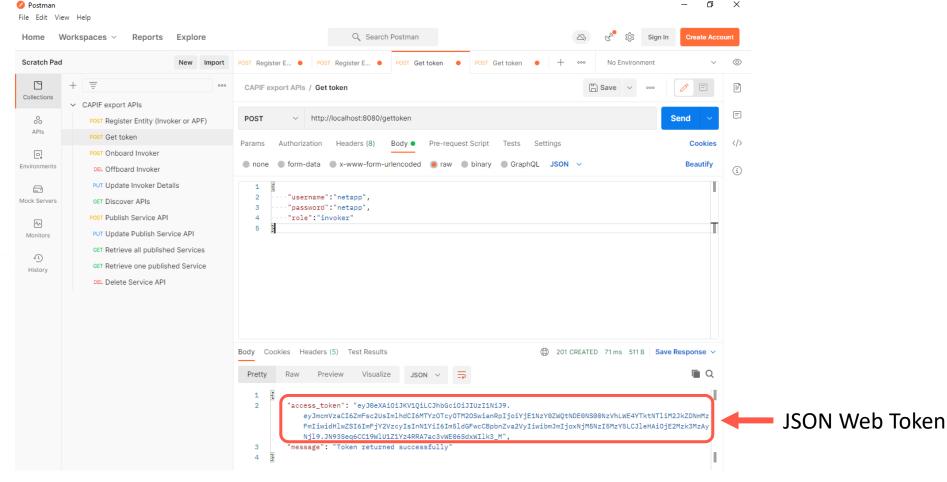
POST http://<CAPIF Host IP>:8080/register



Get token (NetApp)



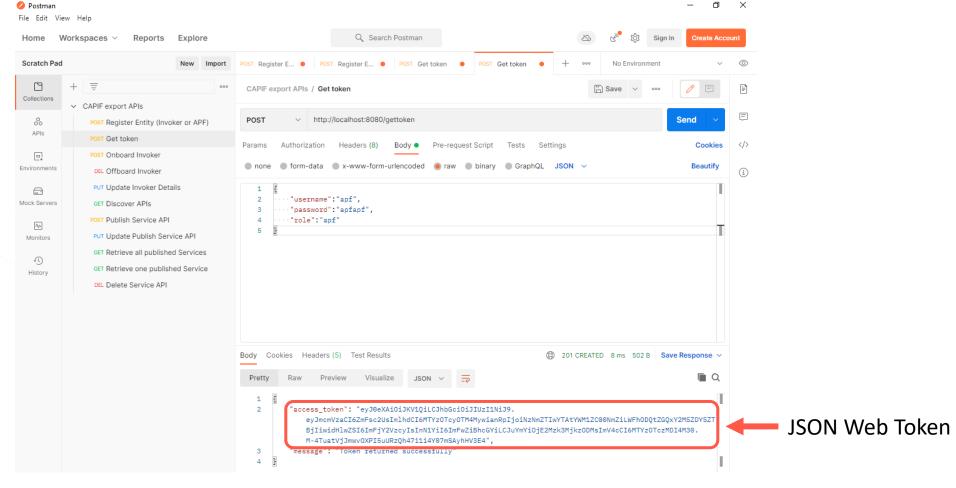
POST http://<CAPIF Host IP>:8080/gettoken



Get token (APF)



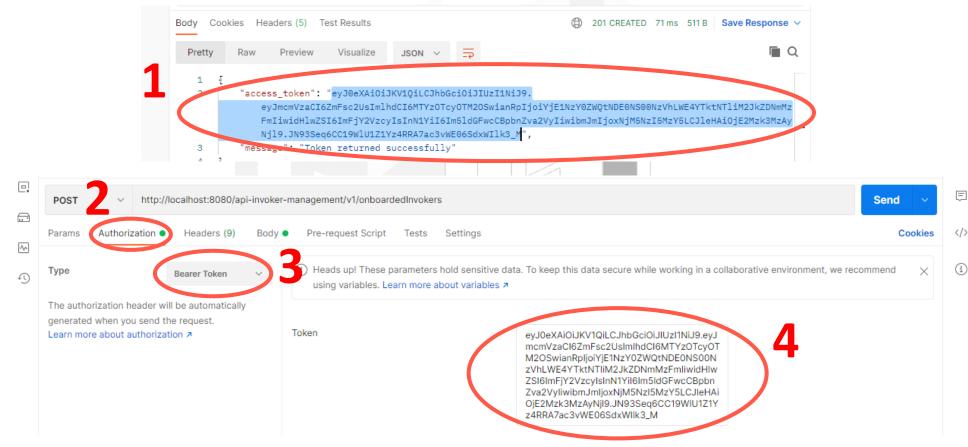
POST http://<CAPIF Host IP>:8080/gettoken



Use JSON Web Token



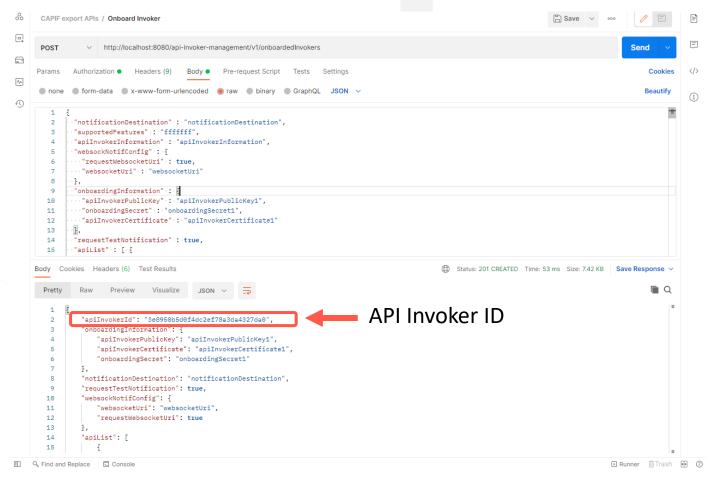
 For each API call of CAPIF, we have to copy the corresponding token (of the NetApp or the APF) to Authorization header



Onboard Invoker (NetApp)



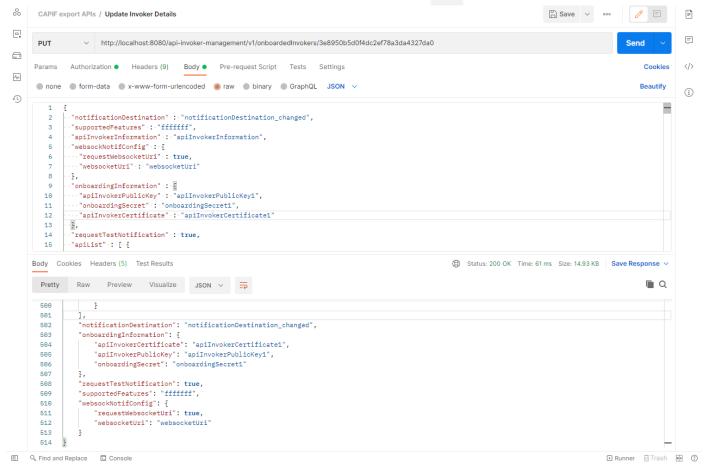
• POST http://<CAPIF Host IP>:8080/api-invoker-management/v1/onboardedInvokers



Update Invoker Details (NetApp)



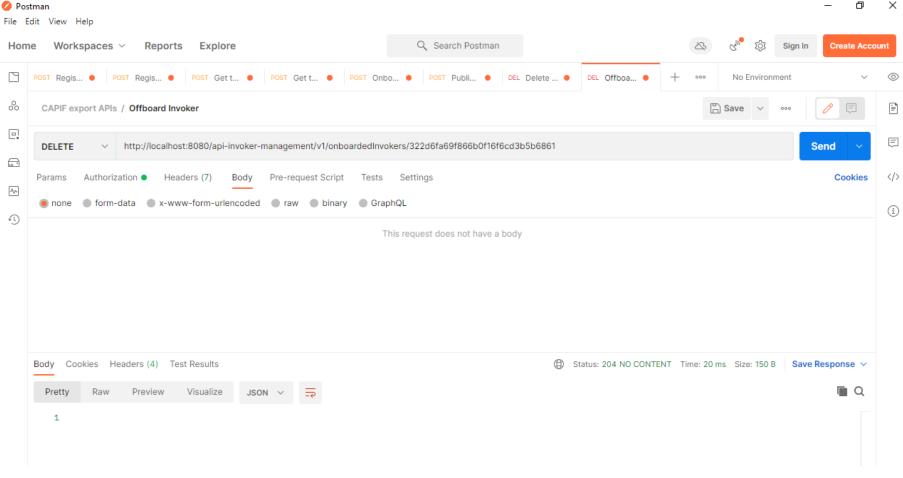
• PUT http://<CAPIF Host IP>:8080/api-invoker-management/v1/onboardedInvokers/<API Invoker ID>



Offboard Invoker (NetApp)



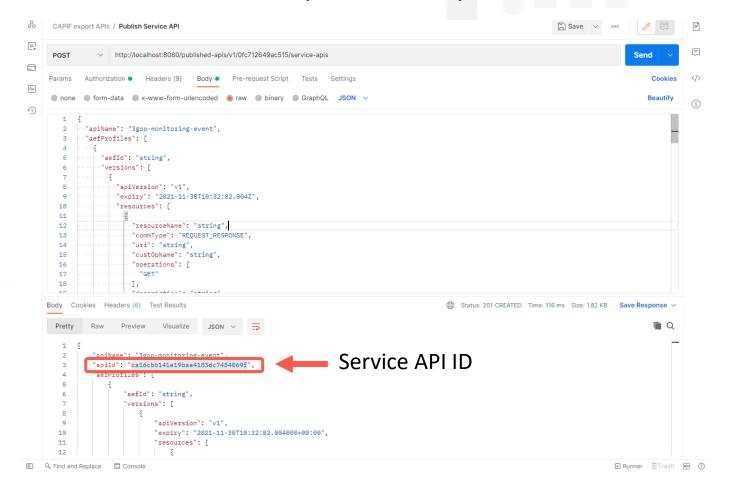
• DELETE http://<CAPIF Host IP>:8080/api-invoker-management/v1/onboardedInvokers/<API Invoker ID>



Publish Service API (APF)



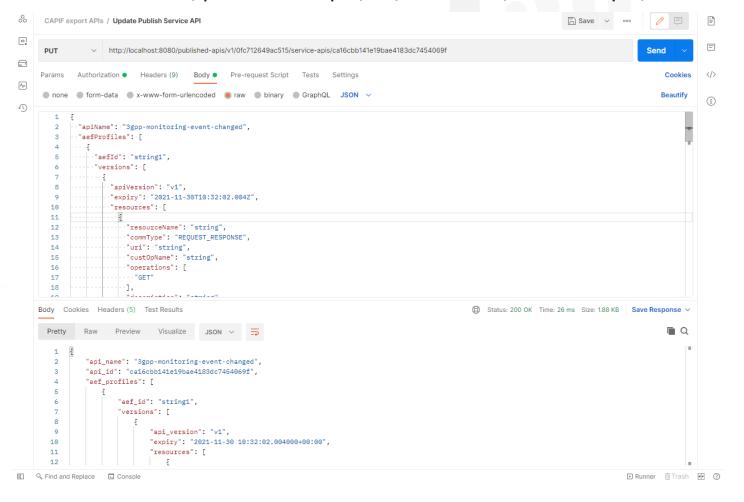
• POST http://<CAPIF Host IP>:8080/published-apis/v1/<APF ID>/service-apis



Update Service API (APF)



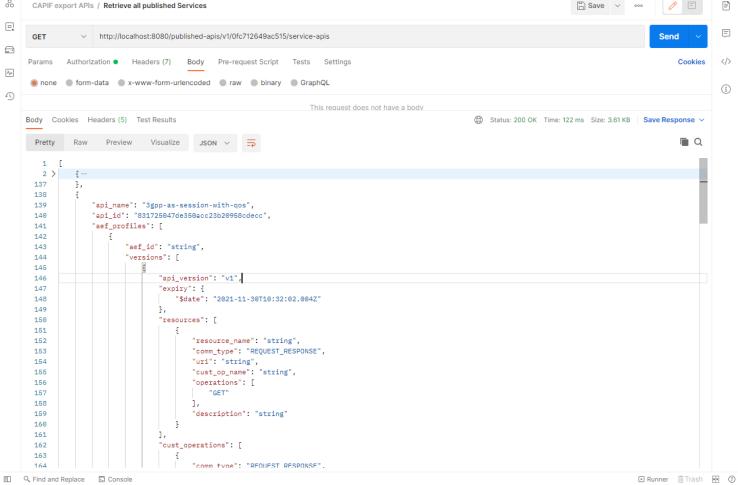
• PUT http://<CAPIF Host IP>:8080/published-apis/v1/<APF ID>/service-apis/<Service API ID>



Retrieve all published services (APF)



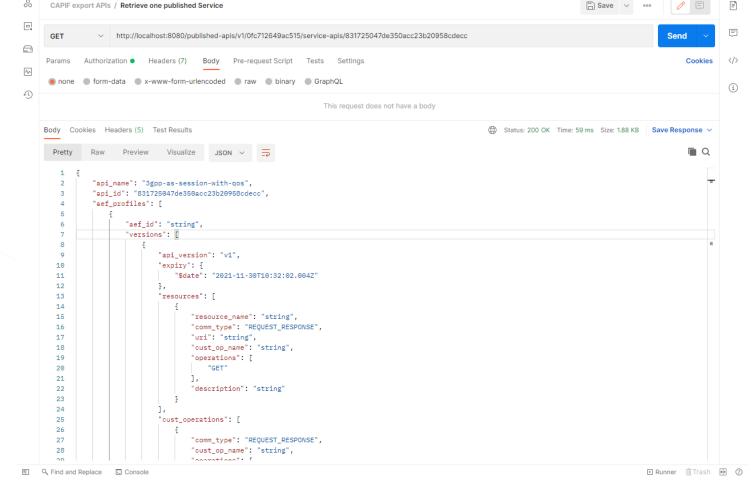
• GET http://<CAPIF Host IP>:8080/published-apis/v1/<APF ID>/service-apis



Retrieve one published services (APF)



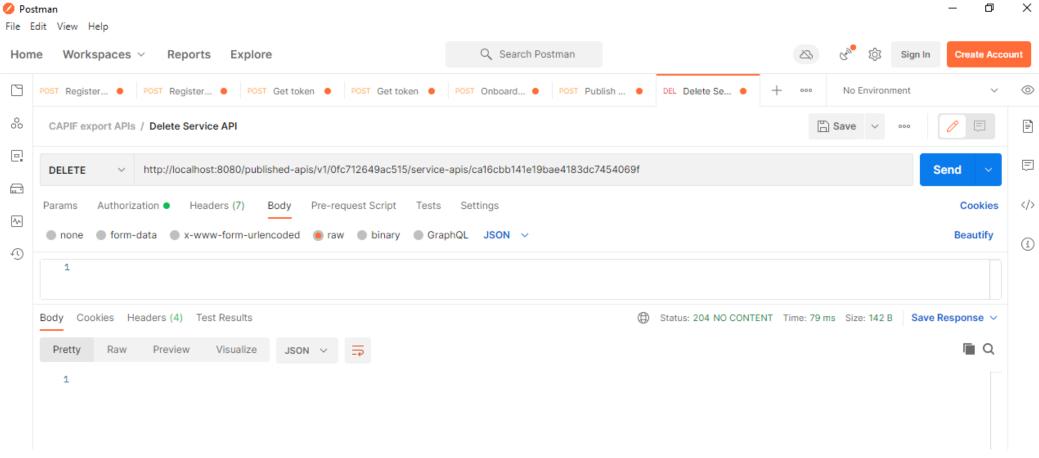
• GET http://<CAPIF Host IP>:8080/published-apis/v1/<APF ID>/service-apis/<Service API ID>



Delete Service API (APF)



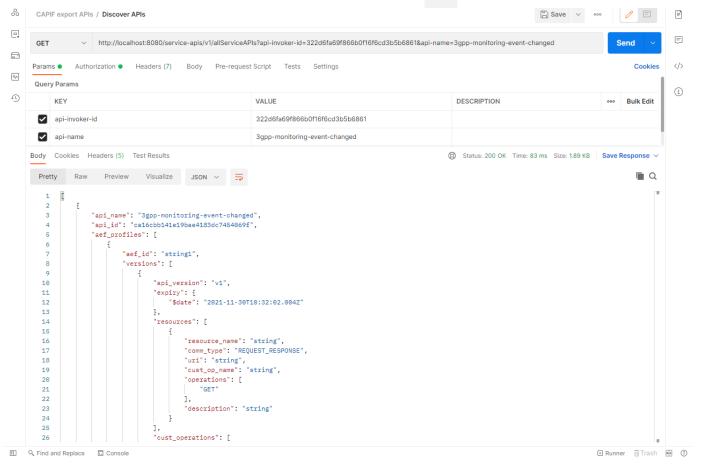
DELETE http://<CAPIF Host IP>:8080/published-apis/v1/<APF ID>/service-apis/<Service API ID>



Discover APIs (NetApp)



 GET http://<CAPIF Host IP>:8080/service-apis/v1/allServiceAPIs? api-invoker-id=<API Invoker ID>&api-name=<API Name>



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Thank you