CYBERARK® BRUNO REST API COLLECTION

USER GUIDE



0

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Inside the REST Request
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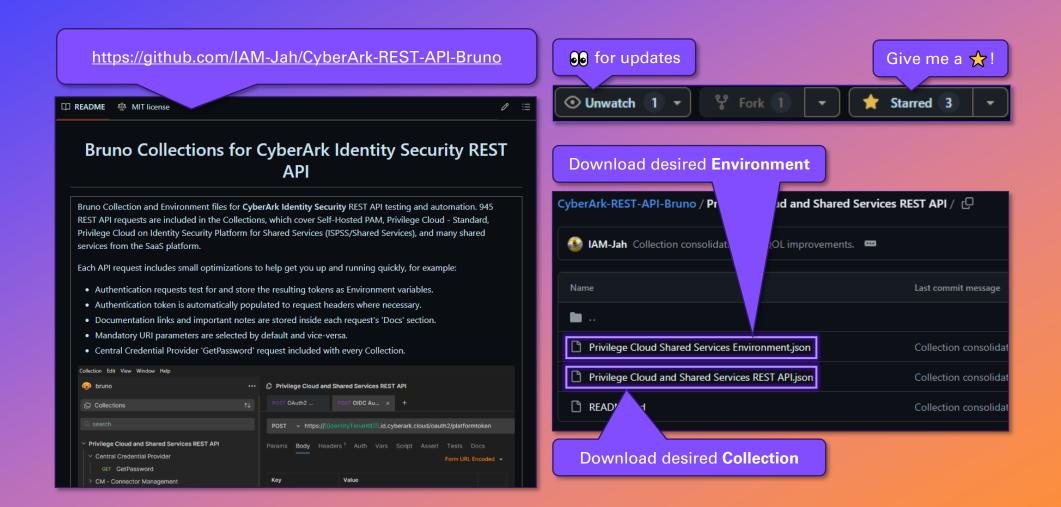


CyberArk® Bruno REST API Collection

THE BASICS

PREREQUISITES

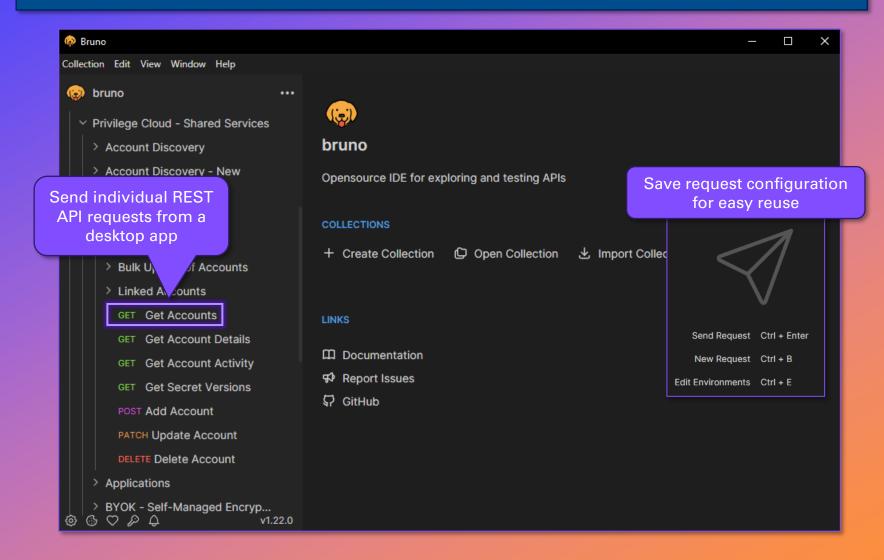
Download the relevant Collection and Environment from GitHub



BRUNO

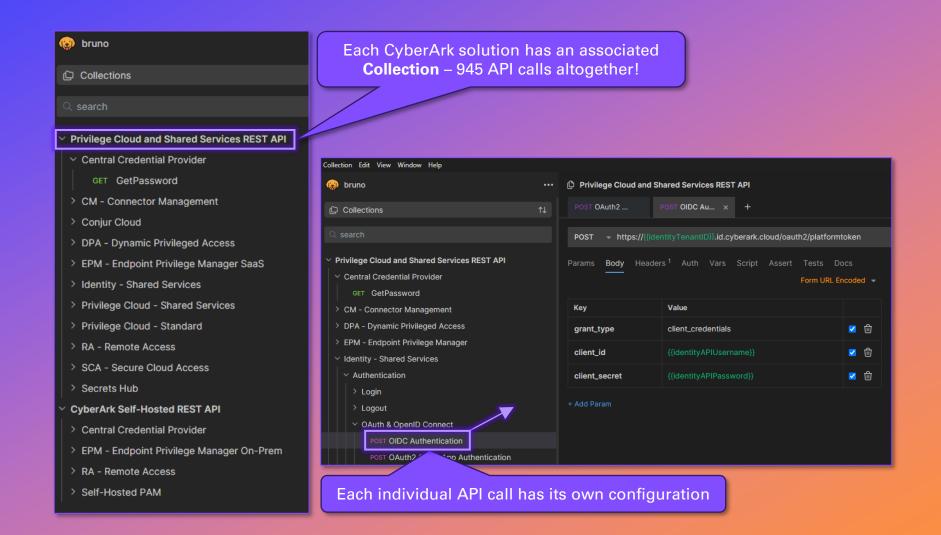
Bruno is an open-source IDE for developing, testing and exploring APIs

You can use it to send single API calls



COLLECTIONS

'Collections' contain template API requests



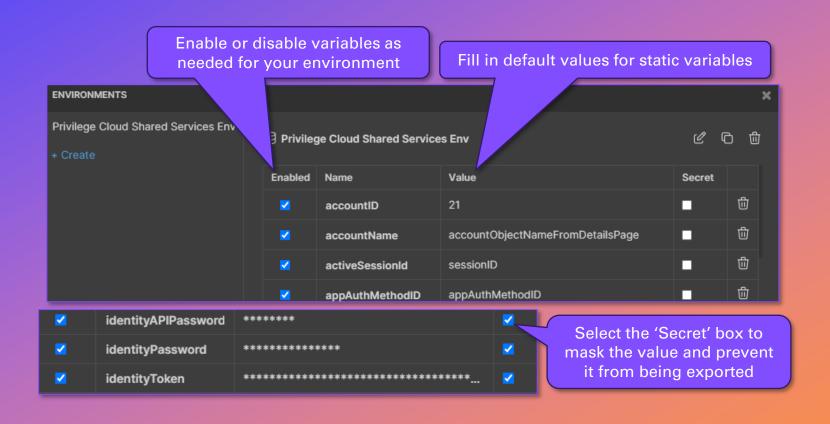
IMPORT A COLLECTION

Collections can be imported in multiple formats or managed via Git client (via Open Collection)



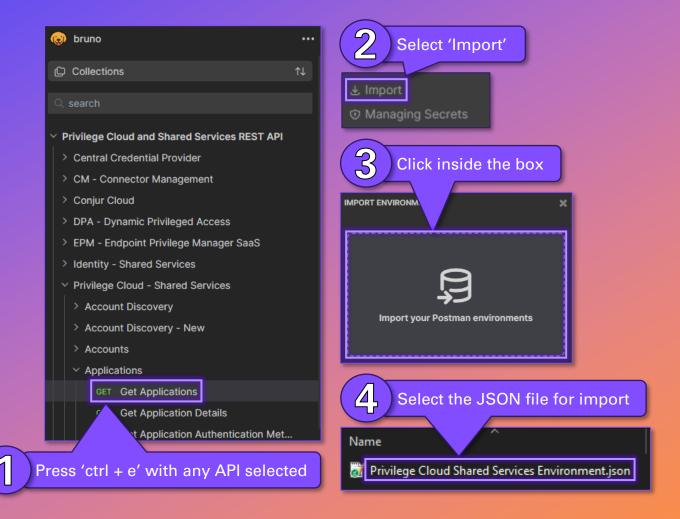
ENVIRONMENTS

'Environments' contain frequently used data stored as variables



IMPORT AN ENVIRONMENT

Review and update newly imported Environments

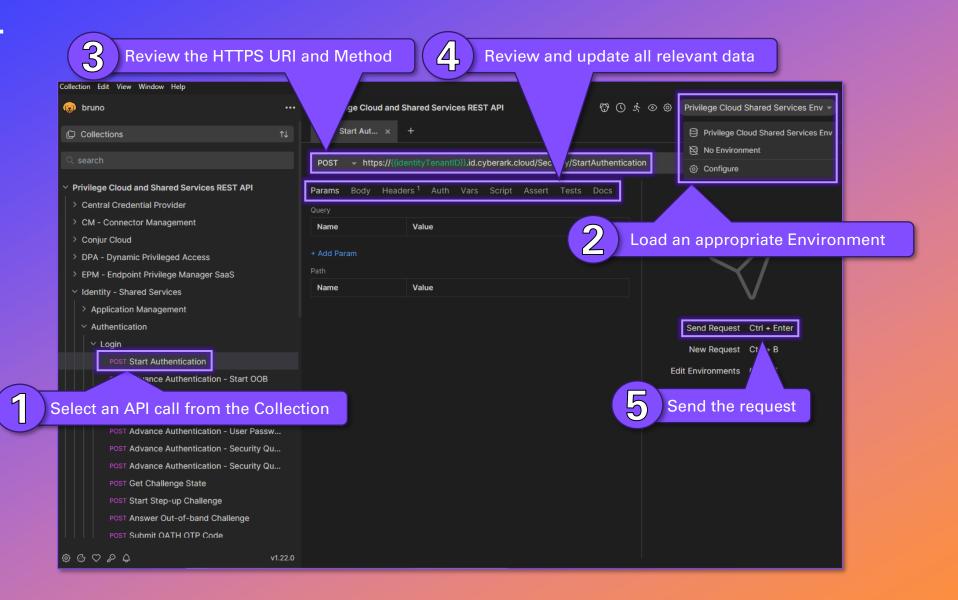




CyberArk® Bruno REST API Collection

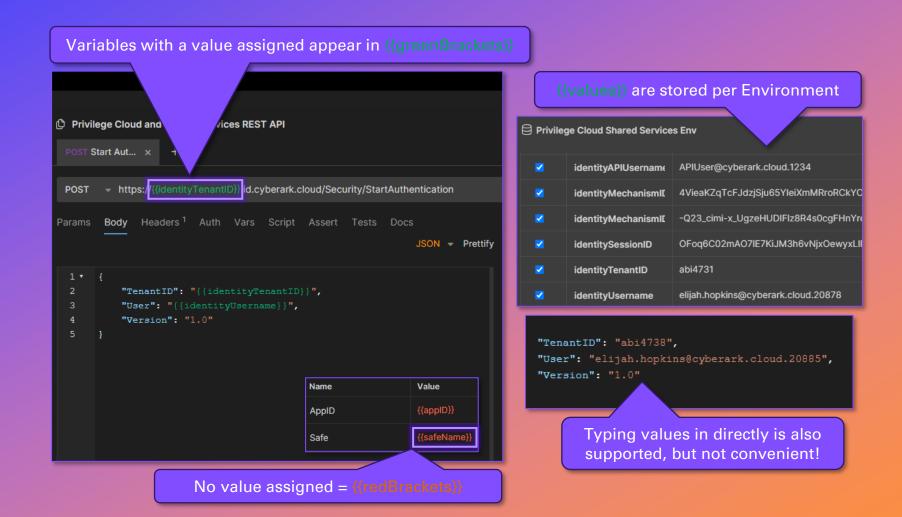
INSIDE THE REST REQUEST

CRAFT A REQUEST



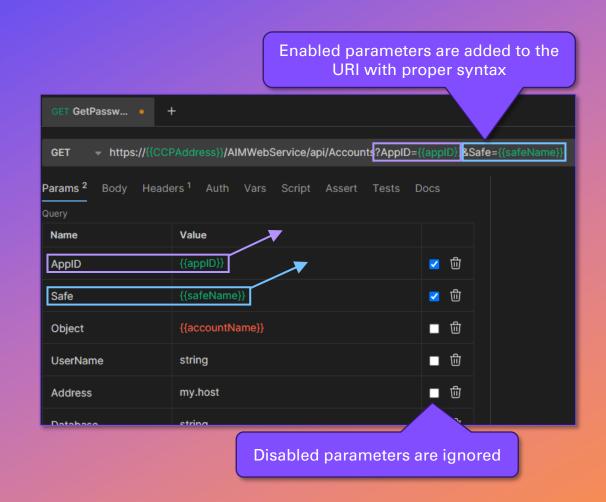
VARIABLES

Frequently used data may be stored as variables in a Bruno Environment



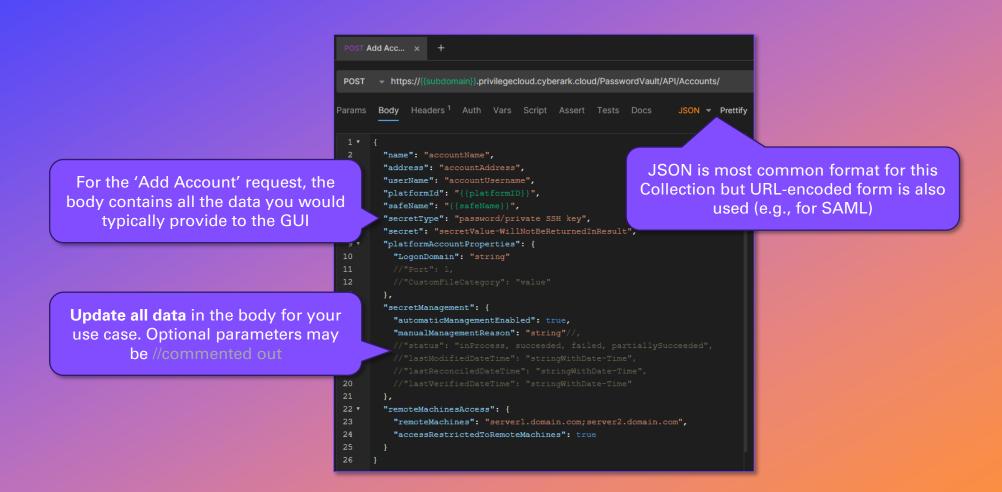
PARAMETERS

Variables that are part of the REST API URI are represented as 'Params'



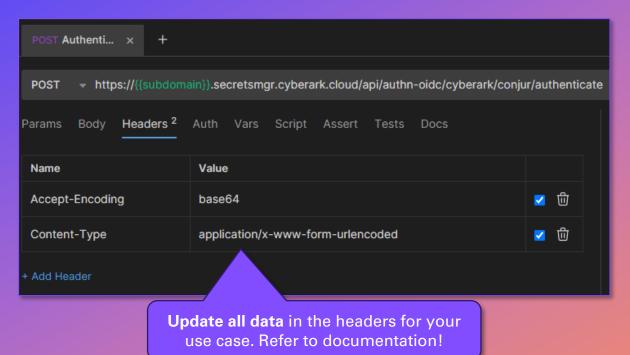
BODY

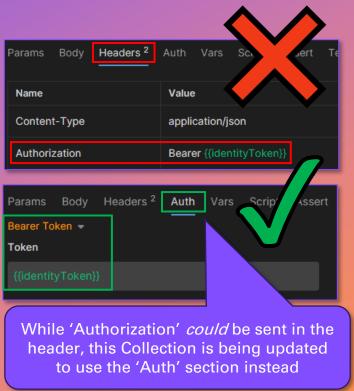
The Body contains data sent in the request when required by the API



HEADERS

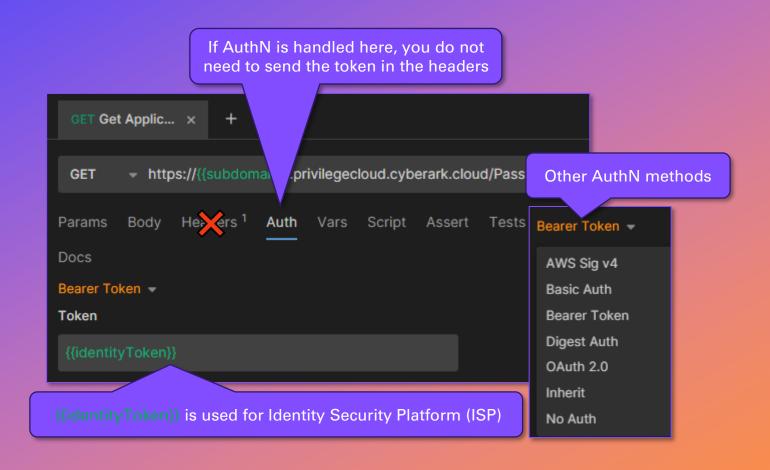
HTTP Headers contain metadata sent in the request (when required by the API)





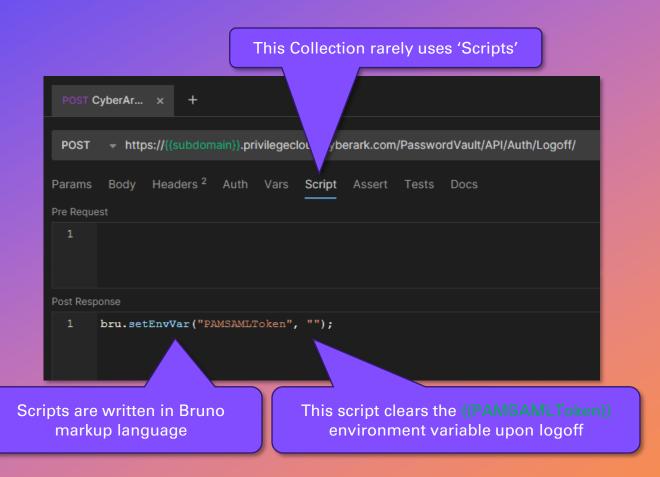
AUTH

The 'Auth' tab handles authentication credentials for the whole Collection



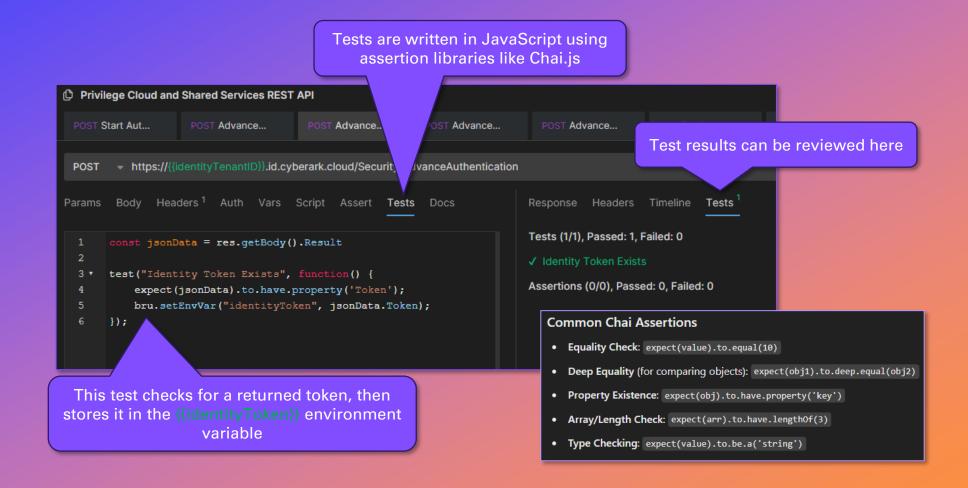
SCRIPT

Scripts contain logic that can run before or after an API call



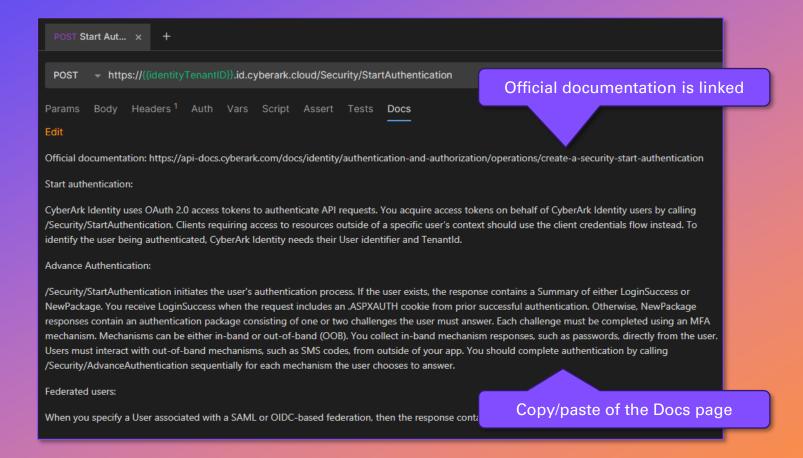
TESTS

Tests are scripts that are executed at runtime and report the result back to you



DOCS

'Docs' references are included for each API call





CyberArk® Bruno REST API Collection

AUTHENTICATION

OVERVIEW

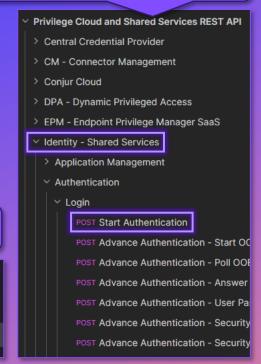
Token used in 'Auth' tab

Bearer Token 🔻

Token

Params 1 Body Headers 1 Auth

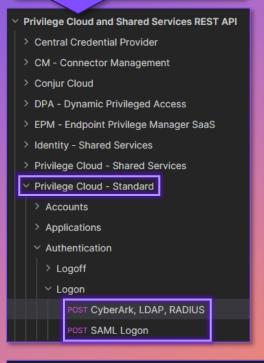
AuthN to Identity Security Platform (SaaS)



```
test("Identity Token Exists", function() {
   if (jsonData.Token) {
      bru.setEnvVar("identityToken", jsonData.Token);
   }
```

Token stored as {{identityToken}}

AuthN to Vault or PVWA for Privilege Cloud Standalone

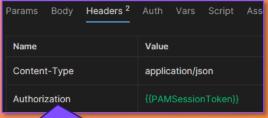


const jsonData = JSON.parse(responseBody);
bru.setEnvVar("PAMSessionToken", jsonData);

Token stored as {{PAMSessionToken}}

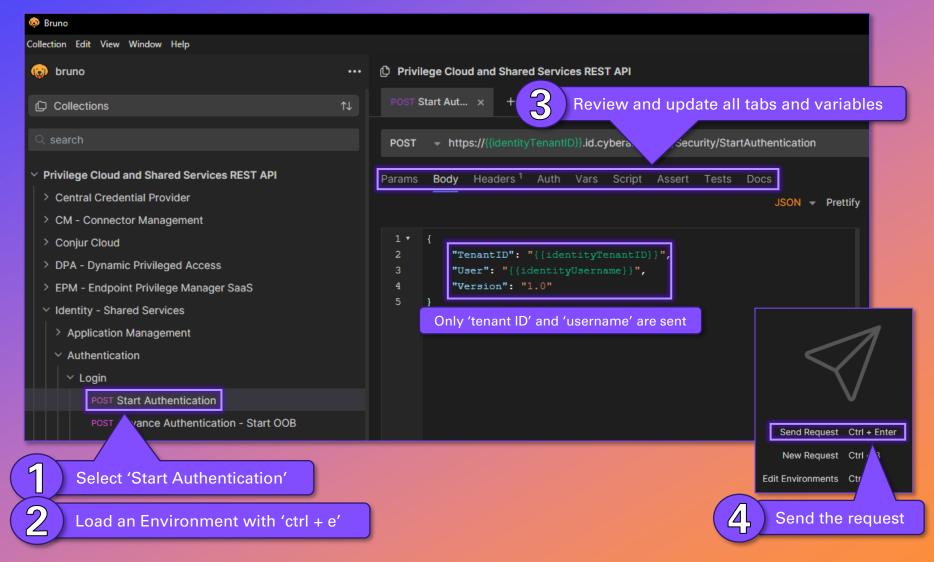
AuthN to Vault or PVWA for PAM Self-Hosted





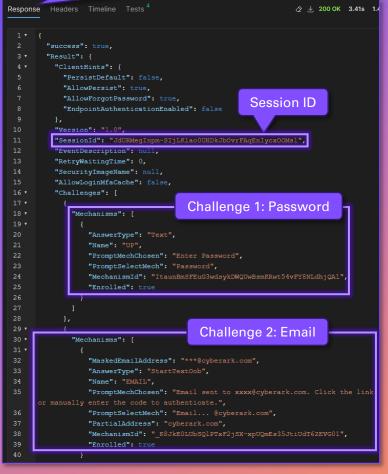
Token sent in Headers

ISP AUTHENTICATION START AUTHENTICATION 1/2



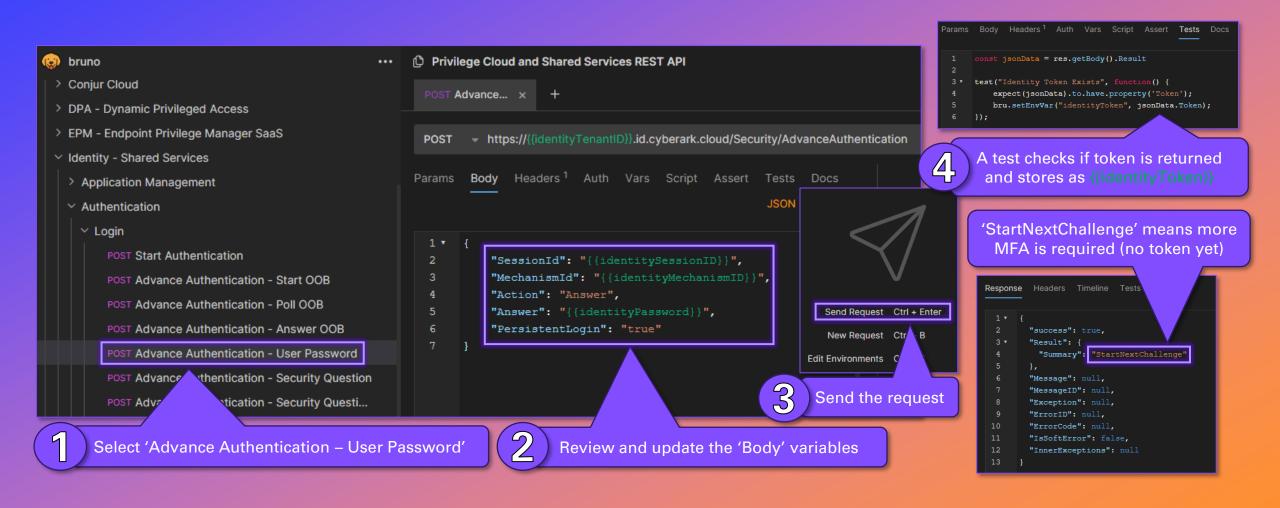
ISP AUTHENTICATION START AUTHENTICATION 2/2

After providing username and tenant ID, Identity returns the available MFA challenges



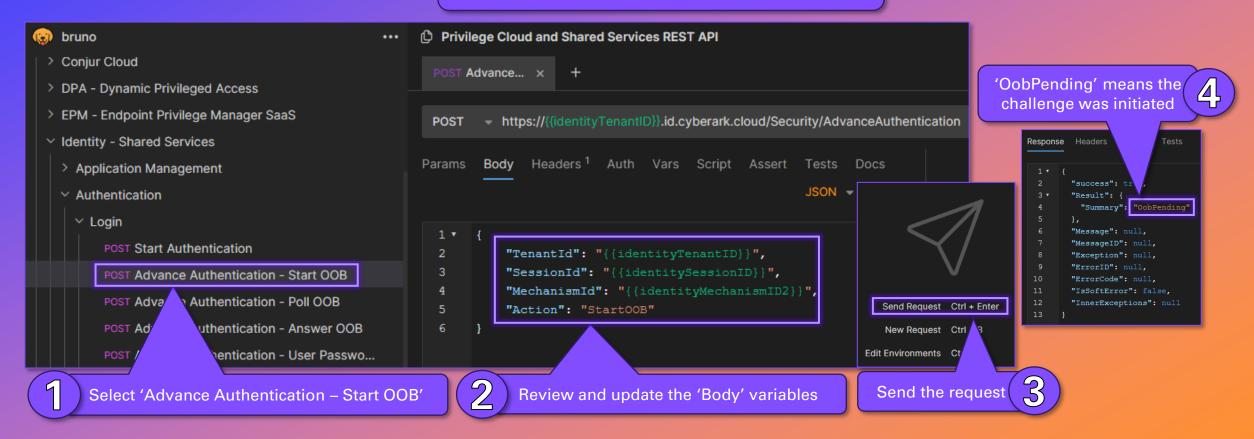
'Tests' identify and store the data you need for the next API call(s) Response Headers Timeline Tests Tests (4/4), Passed: 4, Failed: 0 √ Identity Session ID Exists Assertions (0/0), Passed: 0, Failed: 0 **Environment gets updated** identityMechanismII | _K8JkE0LUbSQIPTxF2jSXidentityMechanismII ItaunBmSFEuG3wdsykDW identitySessionID JdURMegInpm-SIjLKlao0U We must answer each MFA challenge with the corresponding API call

ISP AUTHENTICATION ADVANCE AUTHENTICATION – USER PASSWORD



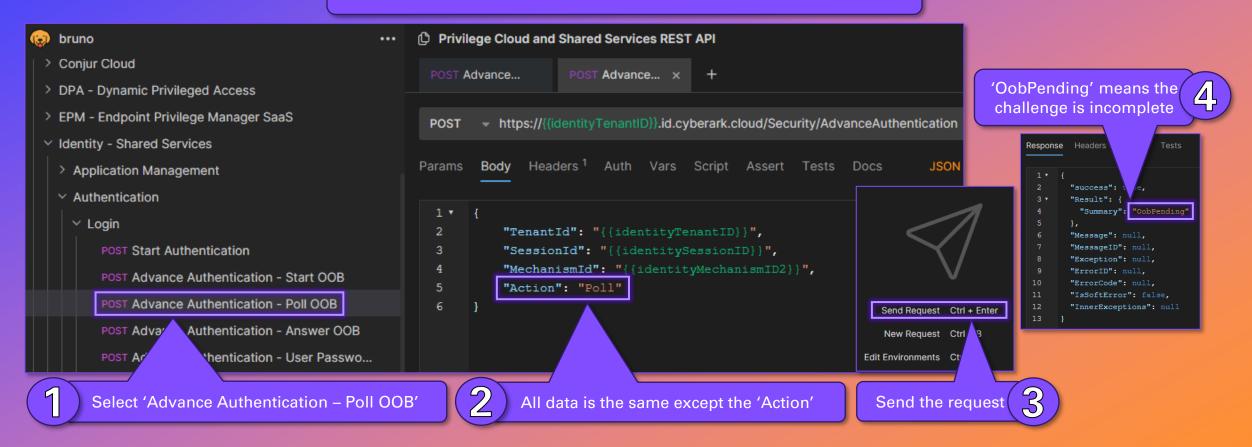
ISP AUTHENTICATION ADVANCE AUTHENTICATION – START OOB

'Start OOB' is used to initiate 'out-of-band' MFA challenges like email or SMS confirmation



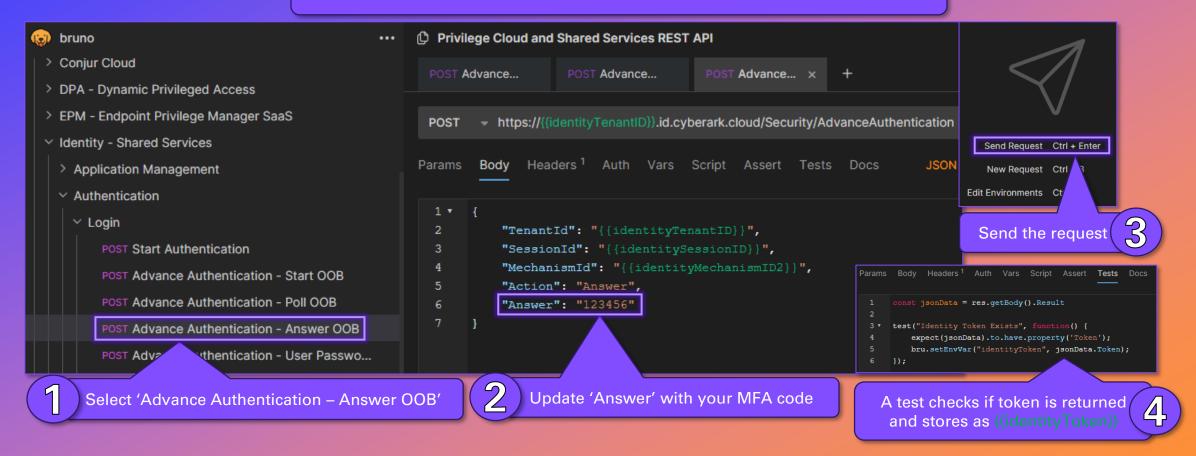
ISP PLATFORM AUTHENTICATION ADVANCE AUTHENTICATION – POLL OOB

'Poll OOB' is used to check if OOB MFA has been completed yet



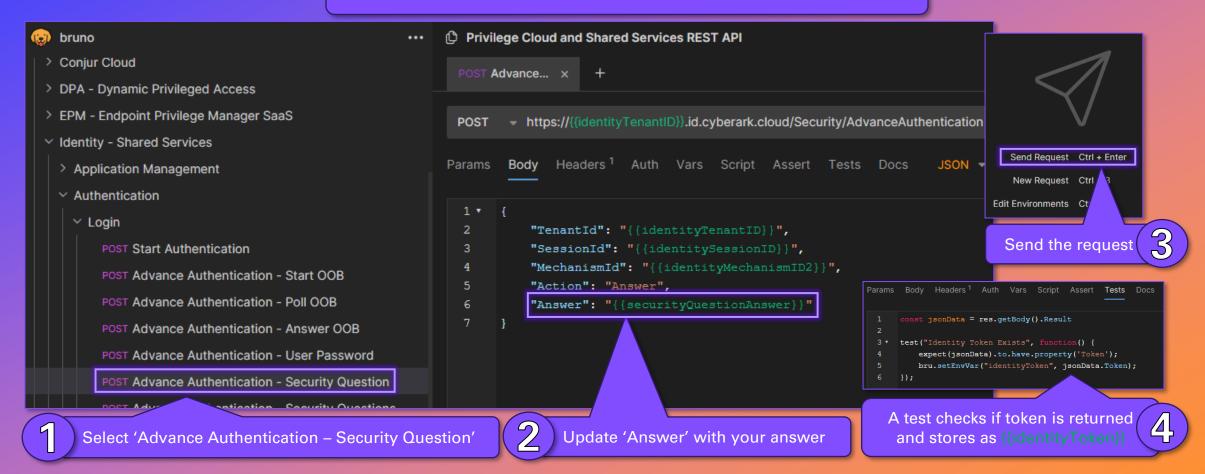
ISP AUTHENTICATION ADVANCE AUTHENTICATION – ANSWER OOB

'Answer OOB' is used to provide the confirmation code from OOB MFA

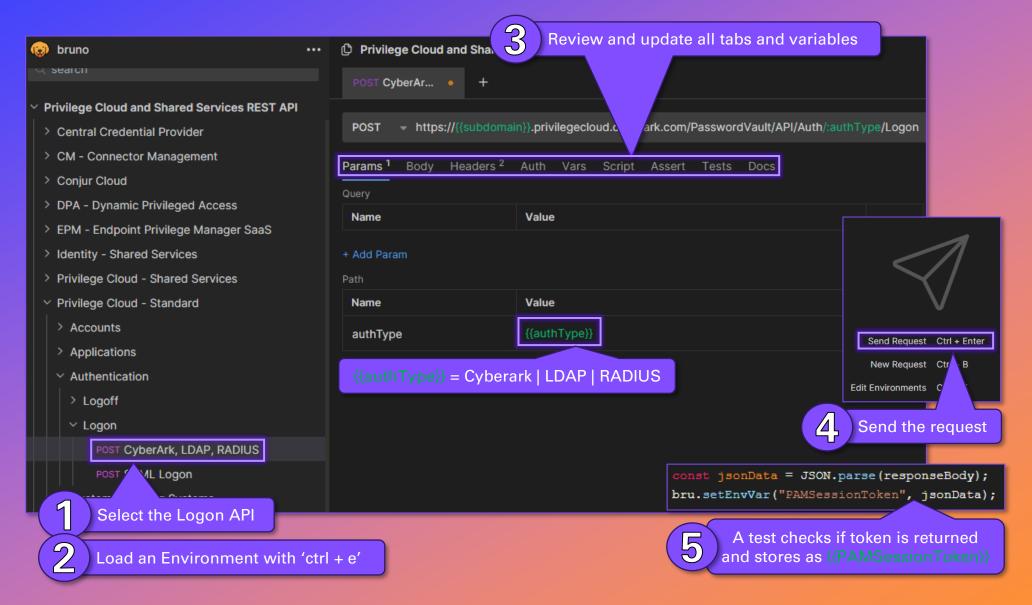


ISP AUTHENTICATION ADVANCE AUTHENTICATION – SECURITY QUESTION

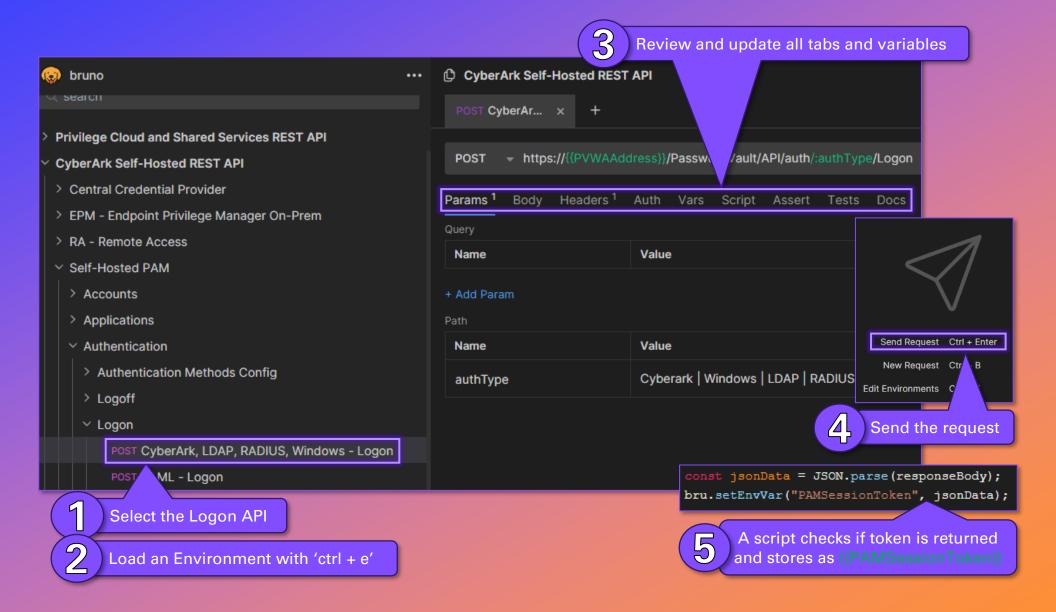
This API is used to provide the answer to 'security question' MFA



PRIVILEGE CLOUD - STANDALONE AUTHENTICATION



PAM SELF-HOSTED AUTHENTICATION

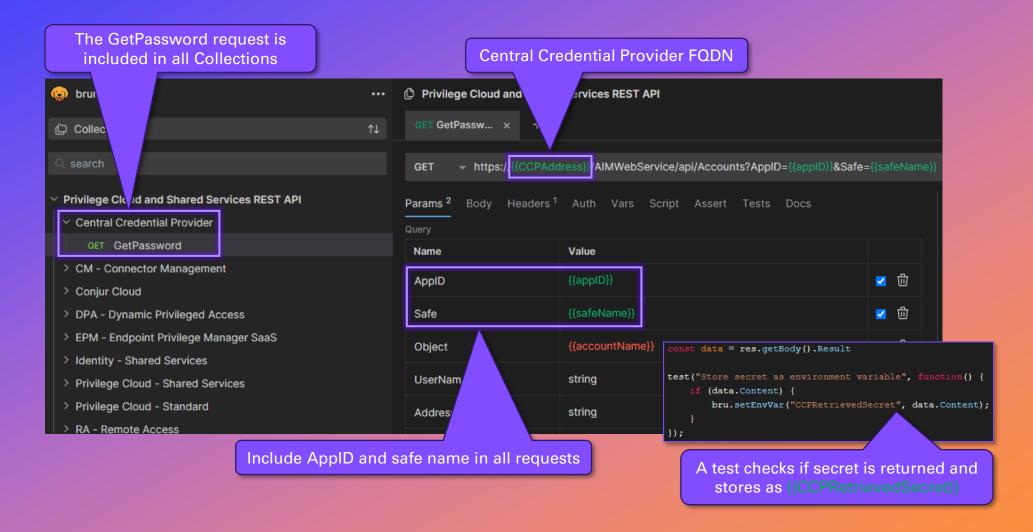




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CREDENTIAL PROVIDERS

CENTRAL CREDENTIAL PROVIDER GETPASSWORD



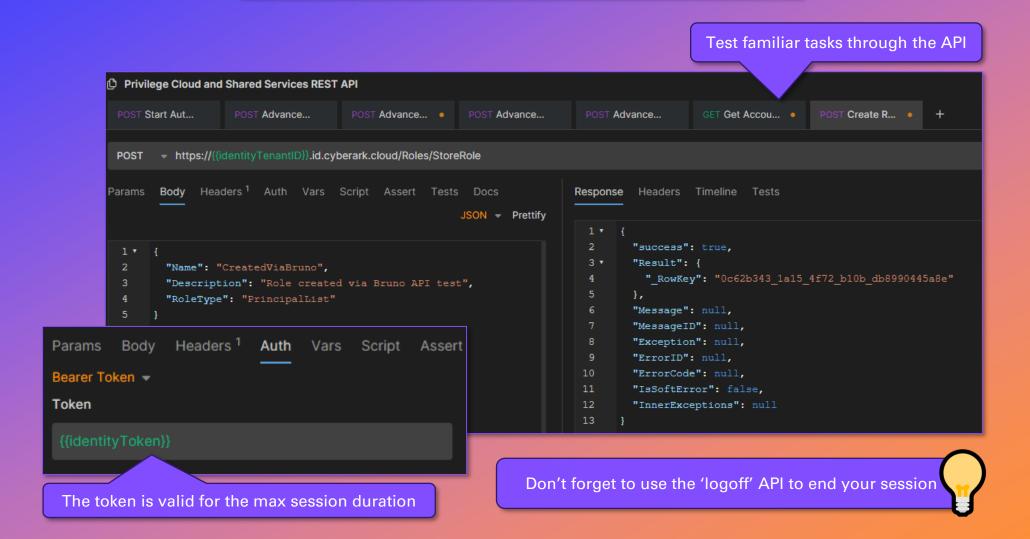


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NEXT STEPS

NEXT STEPS

Now you can start automating!



HAPPY AUTOMATING!



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