



The Standards People

HIVE TAP for NFV & MEC API Plugtests 2021

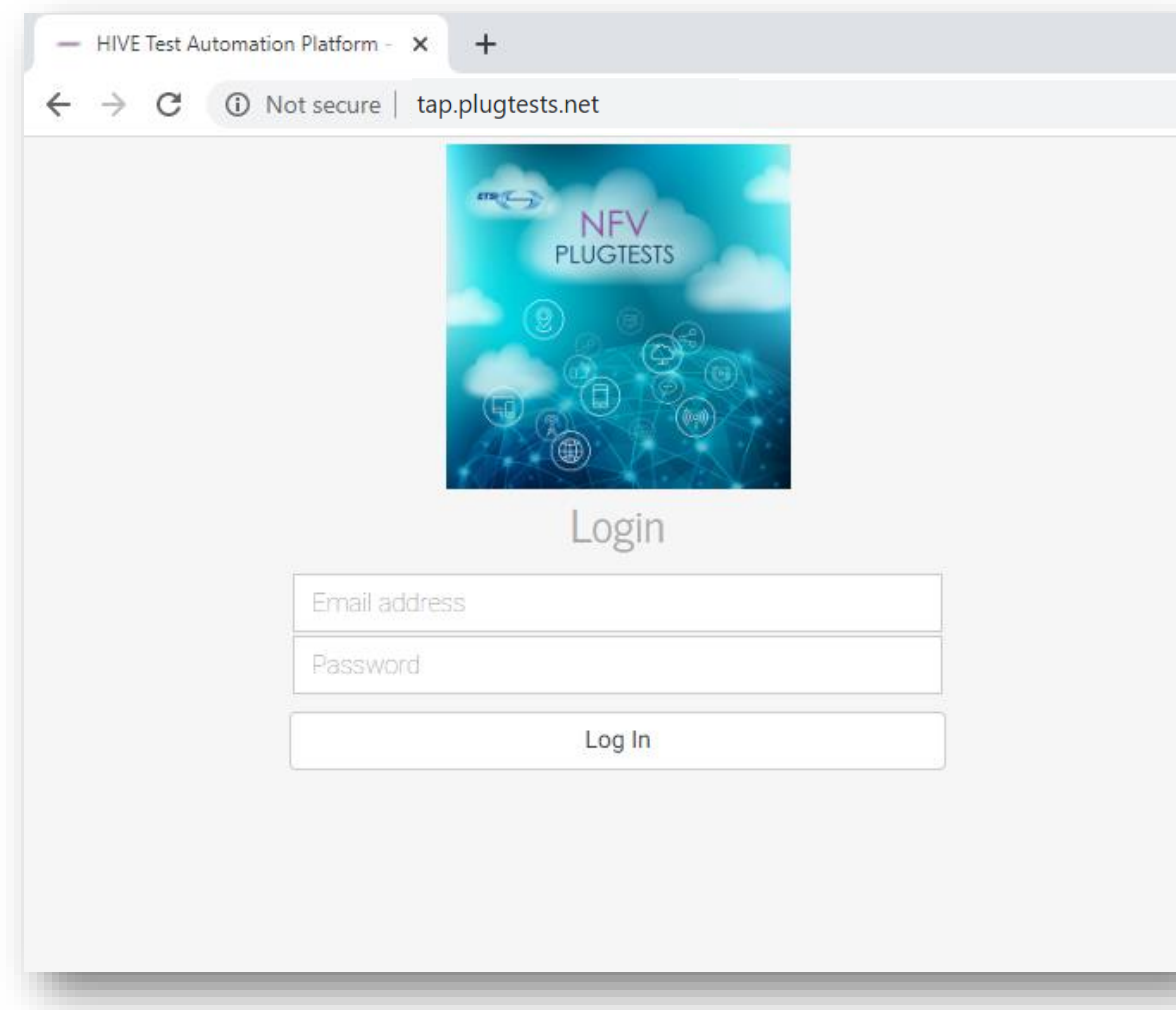
Presented by: **Plugtests Team**

For: **NFV&MEC API Plugtests**

16.11.2020

HIVE Test Automation Platform

- ✔ Visit: <http://tap.plugtests.net>
- ✔ To access, login credentials are required
 - ✔ Credentials will be generated for each organization registered for the event.
- ✔ Credentials may be shared among the team members.
- ✔ Teams may run multiple sessions at a time and share sessions.
- ✔ Need help? Reach out on **Slack** or on the **mailing list** (if registered) or email to plugtests@etsi.org.

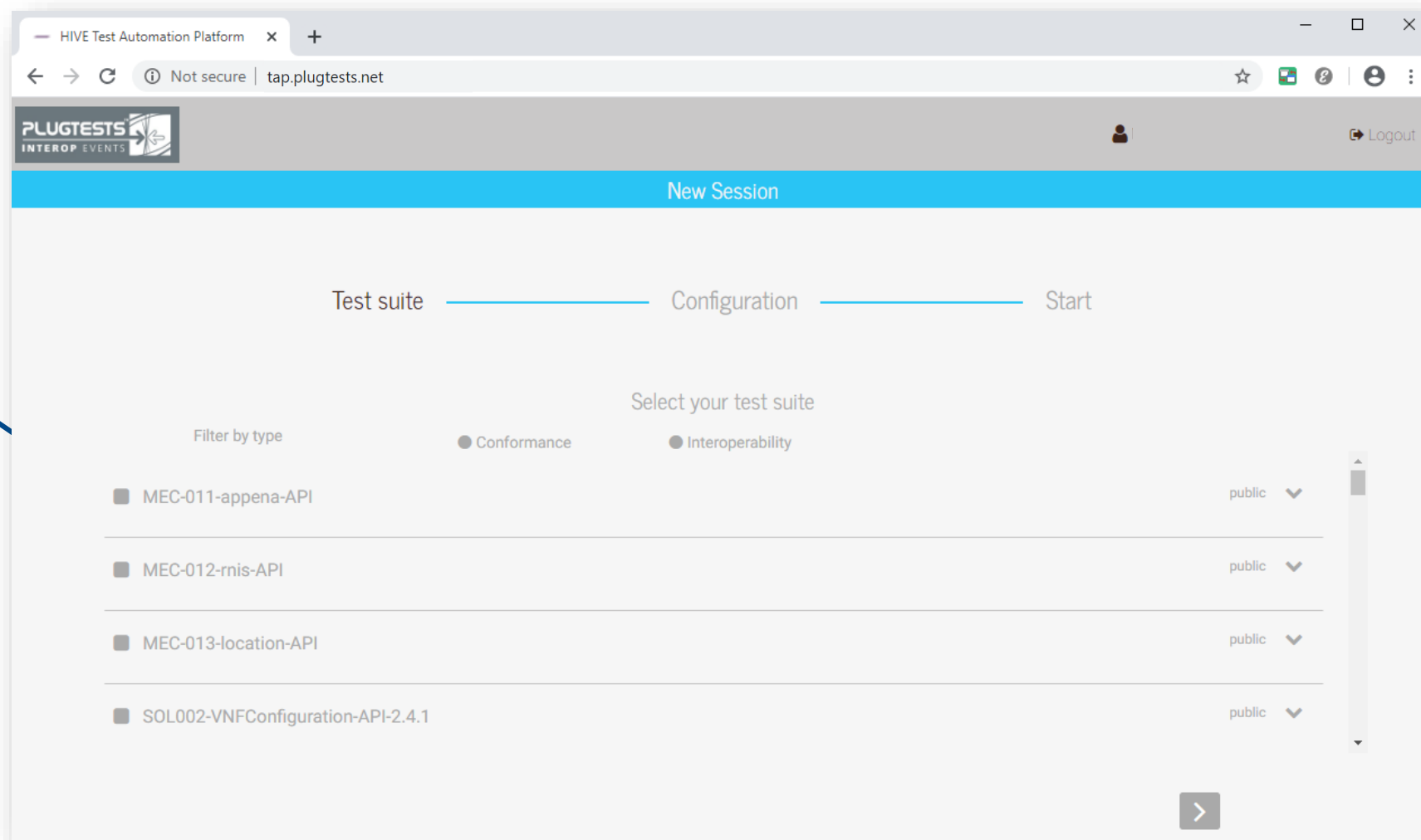


The landing page

The screenshot shows the landing page of the HIVE Test Automation Platform. At the top left is the 'PLUGTESTS INTEROP EVENTS' logo. A blue header bar contains the text 'HIVE Test Automation Platform'. Below this are three navigation links: 'New test session', 'Ongoing sessions', and 'Sessions history'. A yellow callout box labeled 'Start here' points to the 'New test session' link. Another yellow callout box labeled 'Review open sessions here' points to the 'Ongoing sessions' link. The main content area features the title 'HIVE Test Automation Platform' followed by a paragraph: 'The HIVE Test Automation Platform is a service deployed to run automatically conformance and interoperability test suites on demand. It currently automates test suites for the NFV & MEC Plugtests'. Below this is another paragraph: 'It's brought to you thanks to ETSI Plugtests Team, based on components developed within the F-Interop European research project.' A final paragraph states: 'To report any errors, experienced issues or other inquiries please contact us.' On the right side, there is a graphic titled 'NFV PLUGTESTS' with the ETSI logo and various network-related icons.

New session: select the test suite

Select the test suite



HIVE Test Automation Platform x +

Not secure | tap.plugtests.net

PLUGTESTS INTEROP EVENTS

New Session

Test suite — Configuration — Start

Select your test suite

Filter by type

Conformance Interoperability

- MEC-011-appena-API public ▾
- MEC-012-rnis-API public ▾
- MEC-013-location-API public ▾
- SOL002-VNFCOnfiguration-API-2.4.1 public ▾

>

Click the arrow to continue

Configuring the testing tool

- ✓ Fill in the information required for the correct execution, such as IP and port of the FUT, and other configuration parameters.
- ✓ The configurable variables are defined in the **variables.txt** files of the test suites, eg.
 - ✓ [Configuration file for NFV SOL 005 NS LCM](#)
 - ✓ [Configuration file for MEC 011 SRV RNIS](#)
- ✓ You may export the set of configuration variables as a JSON object and prepare it offline. This also allow sharing and re-using the configuration.

Test suite
Configuration
Start

guided expert

Please insert the configuration parameters for the tests: SOL002-VNFIndicator-API-2.4.1.
You can input parameters directly in the expert plane.
Please remember to copy the json configuration from the expert plane for future use.

individualSubscription.origResponse

individualSubscription.response

individualSubscription.erroneousSubscriptionId

individualSubscription.subscriptionId

How the configuration page is built

```

individualSubscription.txt 246 Bytes
1  *** Variables ***
2  ${subscriptionId}    f3ae6df7-07e1-47c9-8924-9ebe10343586
3  ${erroneousSubscriptionId}  442e3ee5-0499-4849-9b31-eb91ce1638f1
4  ${response}=    httpresponse
5  ${origResponse}=  httpresponse
  
```

Test suite — Configuration — Start

guided expert

Please insert the configuration parameters for the tests: SOL002-VNFIndicator-API-2.4.1.
 You can input parameters directly in the expert plane.
 Please remember to copy the json configuration from the expert plane for future use.

individualSubscription.origResponse

individualSubscription.response

individualSubscription.erroneousSubscriptionId

individualSubscription.subscriptionId

Configuring the testing tool – ‘expert’ mode

Test suite — Configuration — Start

guided expert

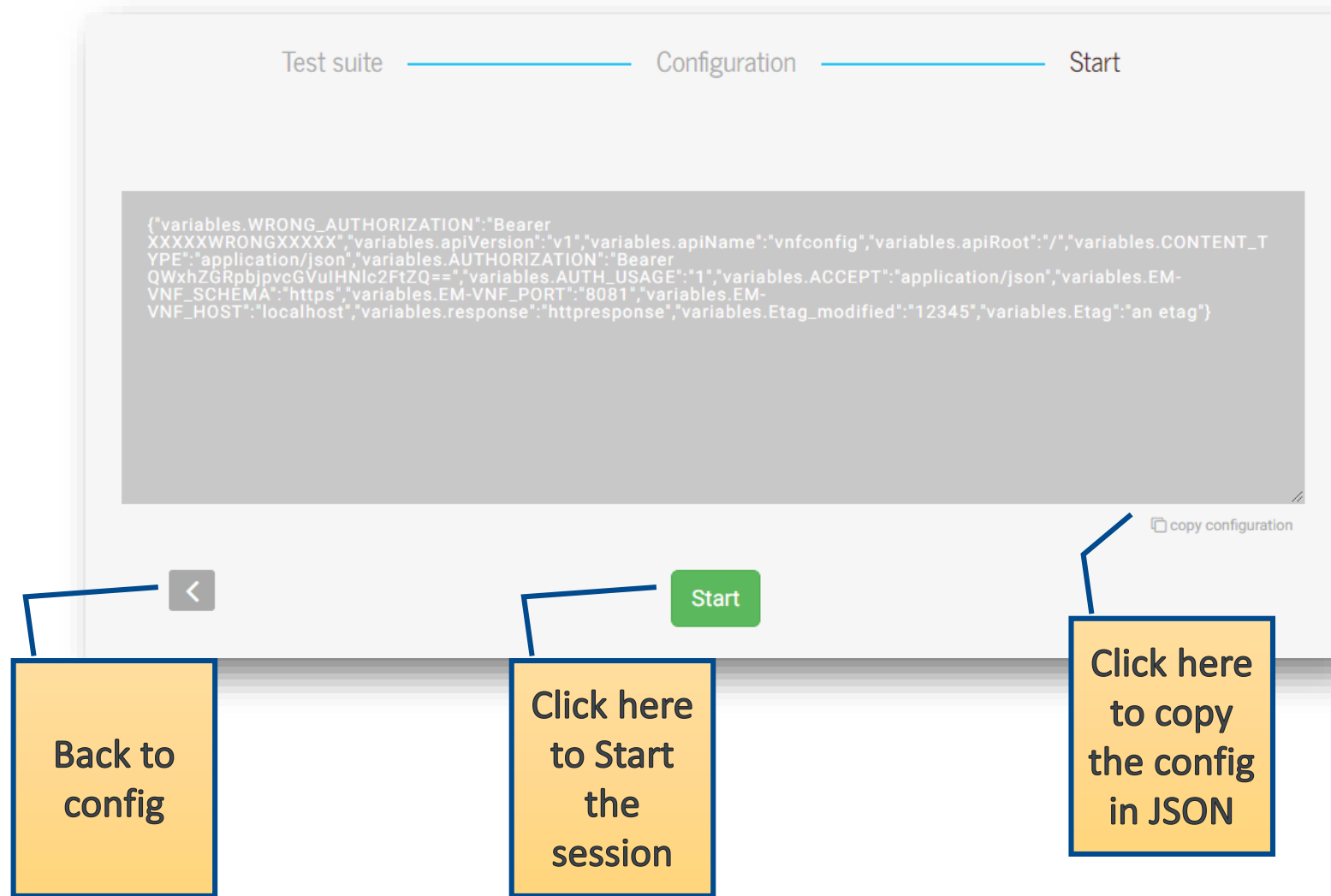
Paste your session's configuration as a json

```
{
  "individualSubscription.origResponse": "httpresponse",
  "individualSubscription.response": "httpresponse",
  "individualSubscription.erroneousSubscriptionId": "442e3ee5-0499-4849-9b31-eb91ce1638f1",
  "individualSubscription.subscriptionId": "f3ae6df7-07e1-47c9-8924-9ebe10343586",
  "variables.VNFM_CHECKS_NOTIF_ENDPOINT": "0",
  "variables.apiName": "vnfind",
  "variables.apiVersion": "v1",
  "variables.apiRoot": "/",
  "variables.AUTH_USAGE": "1",
  "variables.ACCEPT_JSON": "application/json",
  "variables.EM-VNF_SCHEMA": "https",
  "variables.EM-VNF_PORT": "8002",
  "variables.EM-VNF_HOST": "localhost",
  "variables.CONTENT_TYPE_JSON": "application/json",
  "variables.BAD_AUTHORIZATION": "Bearer sometoken",
  "variables.NEG_AUTHORIZATION": "Bearer negativetoken",
  "variables.AUTHORIZATION": "Bearer 0b79bab50daca910b000d4f1a2b675d604257e42",
  "variables.PRODUCER_SCHEMA": "https",
  "variables.PRODUCER_PORT": "8081",
  "variables.PRODUCER_HOST": "localhost",
  "vnfindicators_response": "some_response"
}
```

save configuration

Review configuration and start the session

- Review the configuration and initialize the session.
- IMPORTANT:** Once the configuration is confirmed, it won't be possible to change it for the current session.
- Click “Start” to initialize the session.






The screenshot shows a configuration interface with three main sections: "Test suite", "Configuration", and "Start". The "Configuration" section contains a JSON configuration block. Below the configuration, there are three callout boxes with arrows pointing to specific UI elements:

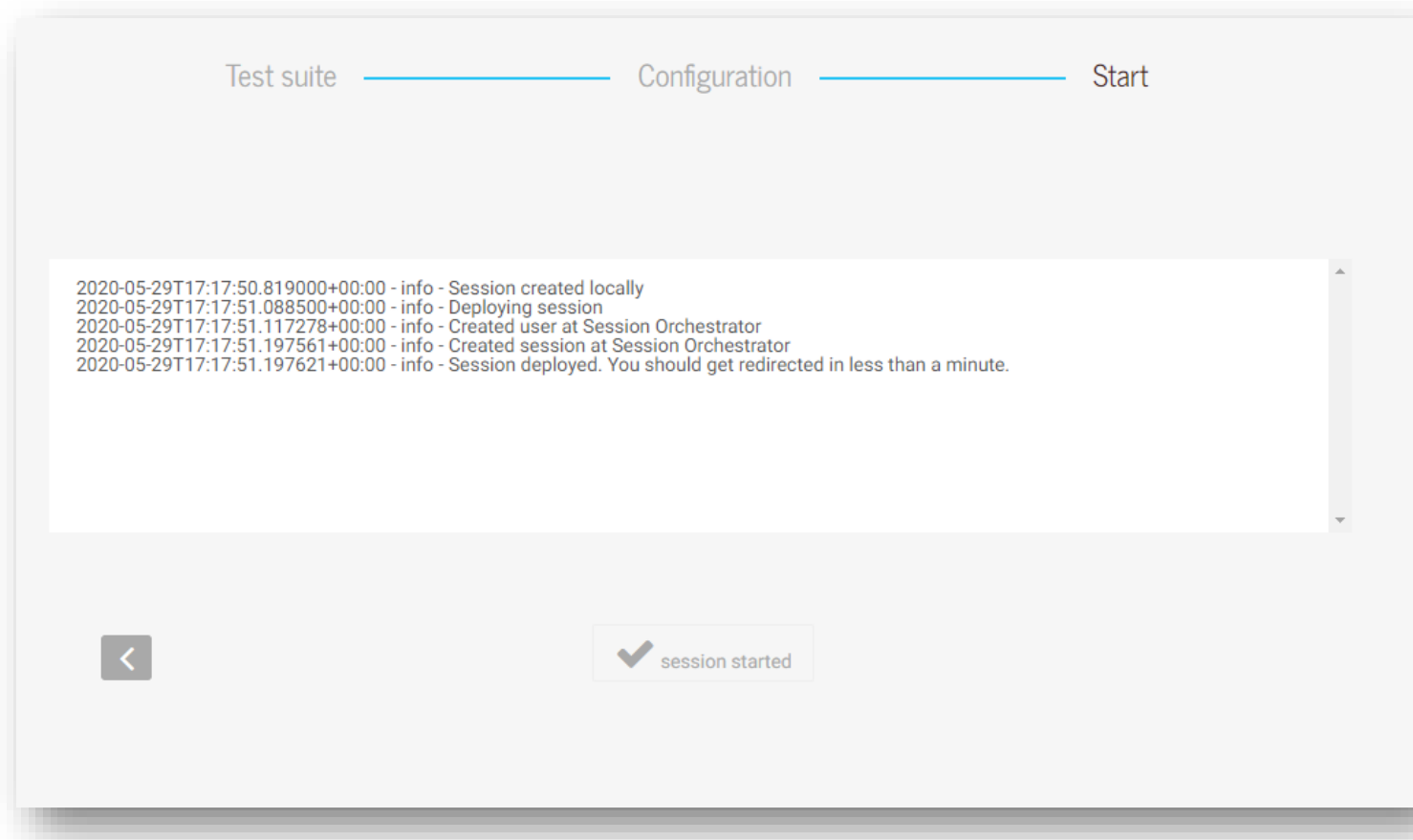
- A callout box labeled "Back to config" points to a left-pointing arrow button.
- A callout box labeled "Click here to Start the session" points to a green "Start" button.
- A callout box labeled "Click here to copy the config in JSON" points to a "copy configuration" icon.

```

{"variables.WRONG_AUTHORIZATION":"Bearer
XXXXXWRONGXXXXX","variables.apiVersion":"v1","variables.apiName":"vnfconfig","variables.apiRoot":"/","variables.CONTENT_T
YPE":"application/json","variables.AUTHORIZATION":"Bearer
QWxhZGRpbjpvGvUHNlc2FtZQ==","variables.AUTH_USAGE":"1","variables.ACCEPT":"application/json","variables.EM-
VNF_SCHEMA":"https","variables.EM-VNF_PORT":"8081","variables.EM-
VNF_HOST":"localhost","variables.response":"httprresponse","variables.Etag_modified":"12345","variables.Etag":"an etag"}
    
```


Session initialization

-  You will see the messages flowing as the session is prepared.
-  **Please wait until you are brought to the next screen,** this may take a few seconds.
-  No action is required from your side and the page will change automatically.



The view on the session

Navigate through the logs

Message box

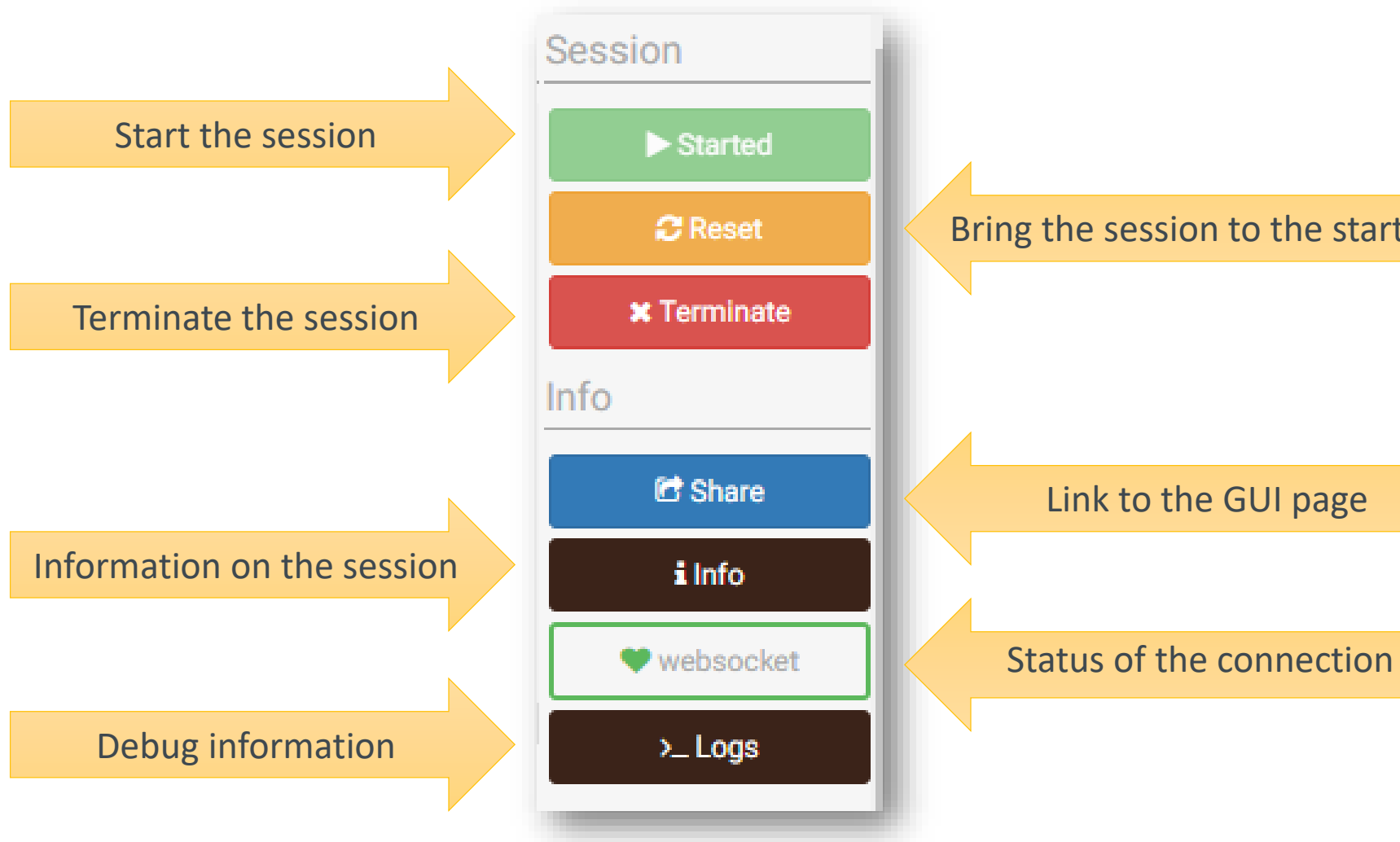
The screenshot shows a web interface for a 'Session'. At the top, there's a blue header with the word 'Session'. Below it, there are two main sections: 'Timeline' and 'Pending action'. The 'Timeline' section has a vertical axis with four items: 'robot configuration', 'robot logs', 'robot results', and 'robot VNFConfiguration-API.ApiVersion'. The 'Pending action' section shows a question 'Start test suite 'VNFConfiguration-API.ApiVersion'?' with 'Run' and 'Skip' buttons. To the right of the main content is a 'Session' control panel with buttons for 'Started', 'Reset', 'Terminate', 'Share', 'Info', 'websocket', and 'Logs'. Below these is a 'Messages' section containing a 'Robot test cases' list with various test case names and their statuses.

It is safe to reload the page!

Session control menu (see next slide)

Log

Controlling the session



Skipping tests (in Robot test suites)

Pending action

Start test suite 'VNFCOnfiguration-API.Configuration' ?

Run

Skip

If no action is taken, the test is executed automatically.

Download reports

- ✔ You may download the generated files, which will be kept on the platform until the session is terminated.
- ✔ Once a session is terminated the results are deleted from the platform.
- ✔ The results are collected and stored by the system to compile aggregated results, but they won't be available for download to the user.

```
Result files for VNFConfiguration-API.ApiVersion
⬇ 484ad324-098d-45db-9f1d-aa648a071ad5.VNFConfiguration-API.ApiVersion.log.html
Result files for VNFConfiguration-API.ApiVersion
⬇ 484ad324-098d-45db-9f1d-aa648a071ad5.VNFConfiguration-API.ApiVersion.output.xml
Result files for VNFConfiguration-API.ApiVersion
⬇ 484ad324-098d-45db-9f1d-aa648a071ad5.VNFConfiguration-API.ApiVersion.report.html
```

Re-open an active session

| Sessions | |
|--------------------------------------|---|
| 484ad324-098d-45db-9f1d-aa648a071ad5 | open |
| login: | [REDACTED] |
| users: | michele_Carignani_etsi_org, myslice |
| amqp_url: | [REDACTED] |
| id: | 484ad324-098d-45db-9f1d-aa648a071ad5 |
| testSuite: | http://toscanini.etsi.org:8118/tests/etsiforge/conformance-NFV-SOL002-VNFCConfiguration-API-2.6.1 |
| slice_id: | urn:publicid:IDN+finterop:project1+slice+testing |
| password: | [REDACTED] |
| testSuiteType: | conformance |
| end_date: | |
| status: | open |
| start_date: | 29/05/2020 19:17 |

Test execution concluded

Robot tests finished

All the tests have been correctly executed.
You may download the report and logs from the message box.
Once downloaded, you may click Terminate session.
All test reports will be deleted from the platform upon termination, make sure you download them.

Config file for VNFConfiguration-API

📄 VNFConfiguration-API.config.json

Result files for VNFConfiguration-API.Configuration

📄 484ad324-098d-45db-9f1d-aa648a071ad5.VNFConfiguration-API.Configuration.log.html

Result files for VNFConfiguration-API.Configuration

📄 484ad324-098d-45db-9f1d-aa648a071ad5.VNFConfiguration-API.Configuration.output.xml

Result files for VNFConfiguration-API.Configuration

📄 484ad324-098d-45db-9f1d-aa648a071ad5.VNFConfiguration-API.Configuration.report.html

Find more information at

https://wiki.plugtests.net/NFV-PLUGTESTS/index.php?title=HIVE_TAP

Thank you

Need help?

Ask us on
Slack or contact
plugtests@etsi.org