

Third Integration Test Camp

30th September– 2th October





Summary

- Integration Test Camp
- 3rd Edition
 - How was it carried out?
 - SQS Test Lab
 - Attendance
 - What were participants able to do?
 - Difficulties encountered
- Next Editions



Integration Test Camp

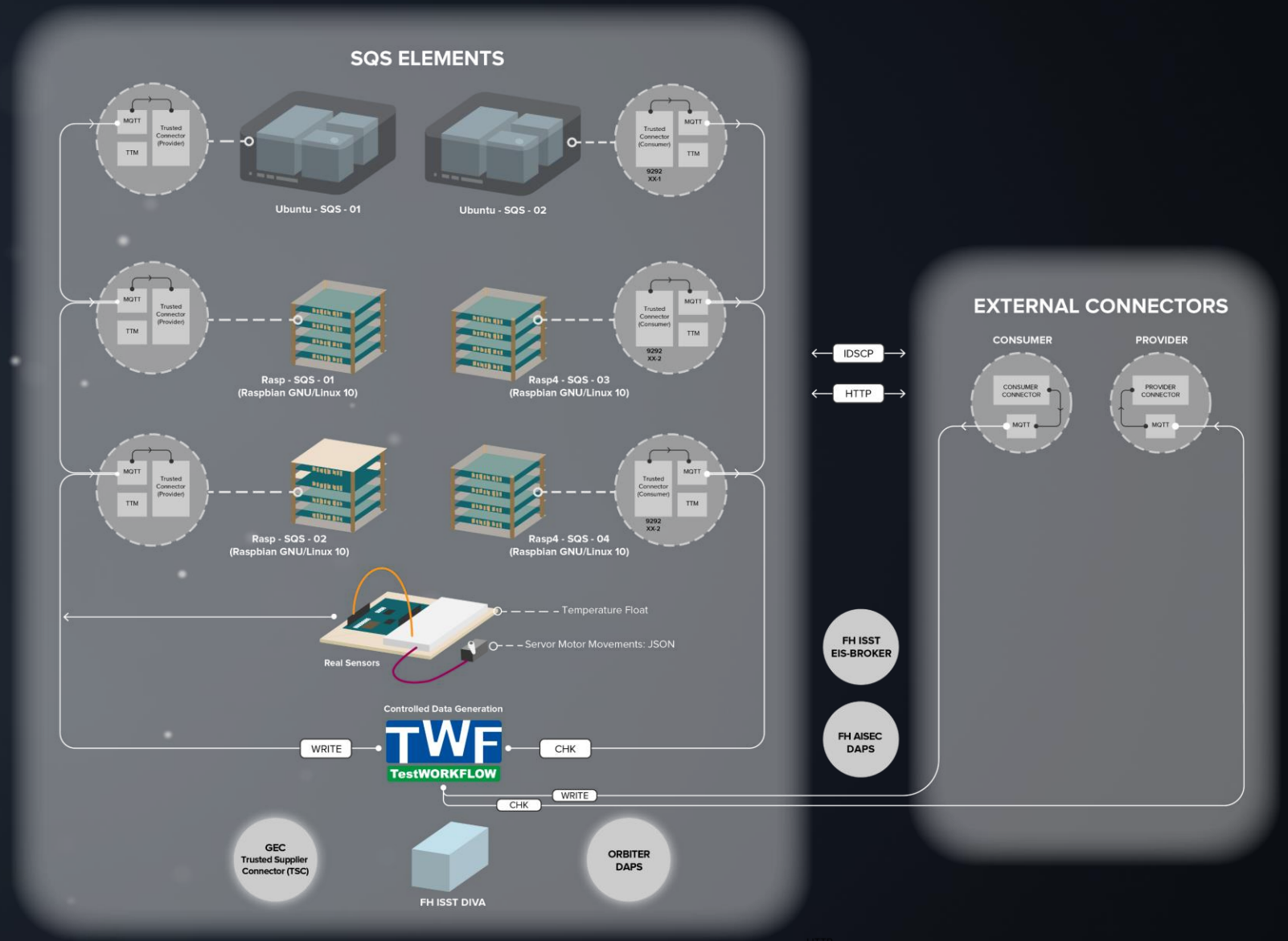
- Scope: Test the interoperability of pre-commercial components within a real IDS reference architecture
- Thematic & Focused Test Camps
 - 1st Connectors with DAPS & Broker as a service
 - 2nd Connectors & DAPS with Broker as a service
 - 3rd Connectors & DAPS & Broker
- Open and Continuous offer: Ones a month
- Value Added: Generate, publish and share reference interoperability test cases



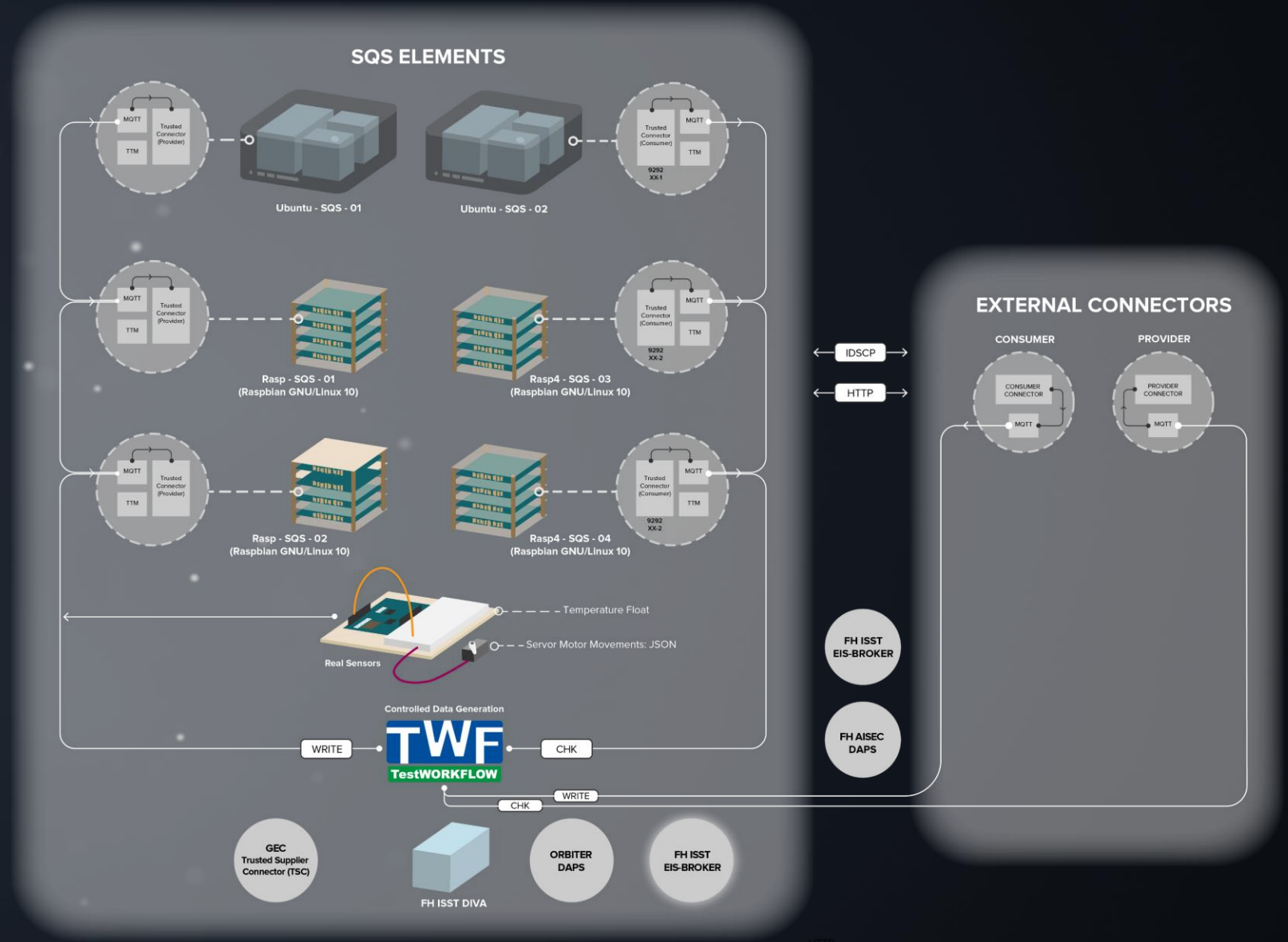
3rd Integration Test Camp - How was it carried out?

- Performed as a virtual event
- Each participant was assigned a slot of two hours
 - SQS lab entirely dedicated
 - Continuous support from SQS lab team
 - Teams meeting where the screens were shared
 - Test Steps document shared

Integration Test Camp - SQS Test Lab 2nd edition



Integration Test Camp - SQS Test Lab 3rd Edition



3rd ITC - Attendance

Wednesday	Thursday	Friday
i2CAT	i2CAT (2)	ENGINEERING & FIWARE-UTRC
	VTT	UPM



3rd ITC - What were the participants able to do?

- Test the interoperability of their pre-commercial components in a production like scenario.
 - Interact with real IDSA infrastructure components
 - Verify how the components will act in the real world
- SQS lab team proposed some Test Cases
 - Handshake
 - Certificates management
 - Connection failure scenario
 - Connection to more than one connector
 - Broker interaction



3rd ITC – Success Cases

- Connectors based in the Trusted Connector (i2CAT, VTT and UPM) where able to exchange data with the SQS lab connectors, using the DAPS from Fraunhofer.
- Connectors from Fiware and Engineering where able to exchange data, using the DAPS from Fraunhofer and, also the DAPS from Orbiter installed on SQS lab.
- Connectors from Fiware and Engineering where able to communicate with the Broker from Fraunhofer installed in SQS.



3rd ITC - Difficulties encountered

- There were connection problems with some participants that did not have the network ready to accept incoming connections on the ports needed.
 - The problems were solved during the Test Camp and finally worked as expected.
- There were some steps thought for the Test Camp that imply replacing the certificate on the CUT, and we have seen that this step requires more effort and time than expected for some participants.
 - SQS will try to check the possibility of performing these changes with the participants in advance



3rd ITC - Difficulties encountered

- In the Trusted Connector some inconsistencies have been found, like the fact that in the log it prints a DAT error but then the connectors get connected and the data flows.
 - SQS will try to check with Fraunhofer developers the origin of these errors
- The DAPS developments that have been used in this Test Camp work in a different way
 - SQS will expose these facts to the DAPS developers and IDSA community





THANK YOU

<https://www.sqs.es/eventos/?lang=en>
<https://www.sqs.es/q-idsa/>