

# First Integration Test Camp

8th – 9th – 10th June





# Summary

- Integration Test Camp
- 1st Edition
  - How was it carried out?
  - SQS Test Lab
  - Attendance
  - What were participants able to do?
  - Difficulties encountered
- Next Editions

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# Integration Test Camp

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

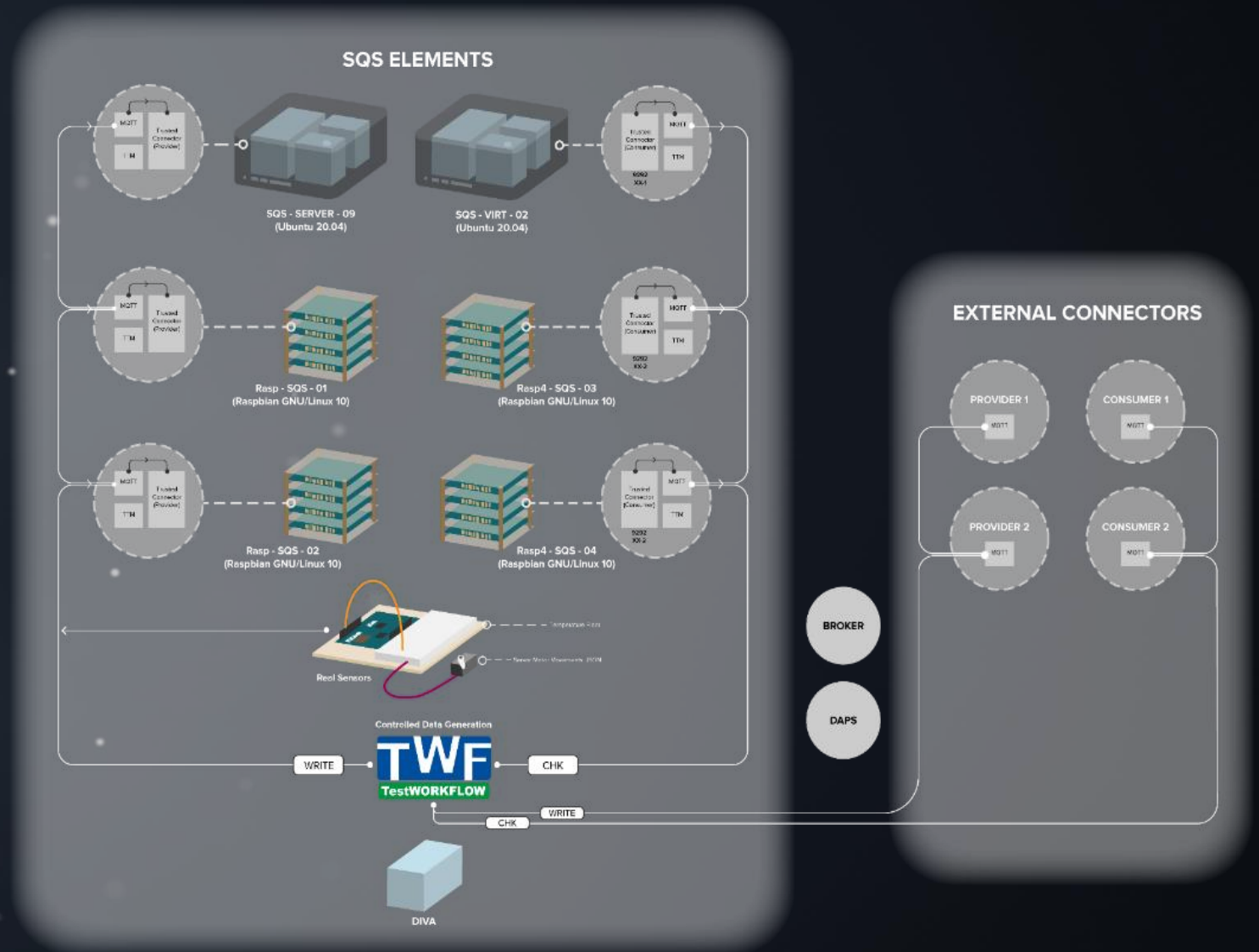
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# 1<sup>st</sup> Integration Test Camp - How was it carried out?

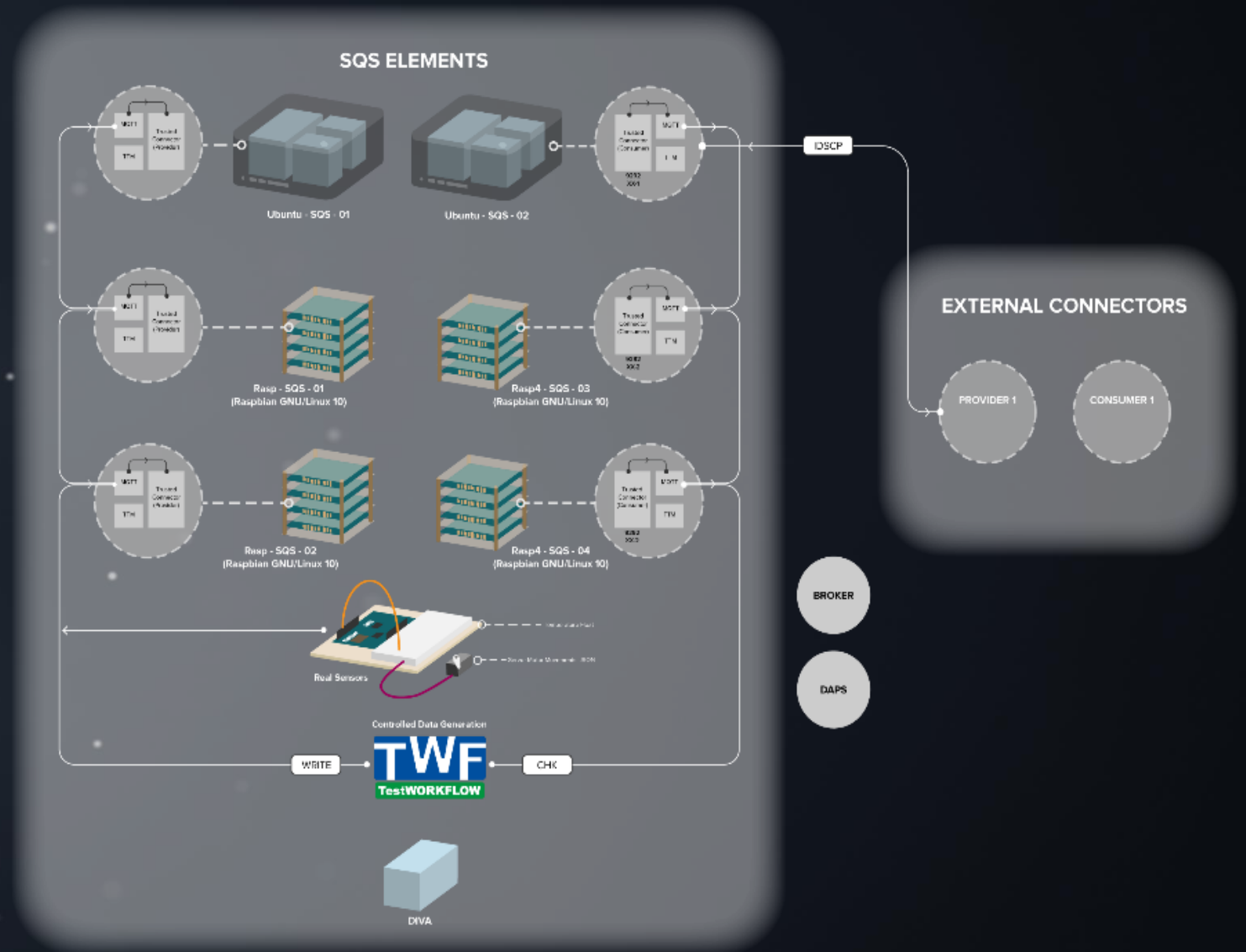
- Performed as a virtual event
- Each participant was assigned a slot of two hours
  - SQS lab entirely dedicated
  - Continuous support from SQS lab team
    - Teams & Webex meeting where the screens were shared
    - Test Steps document shared



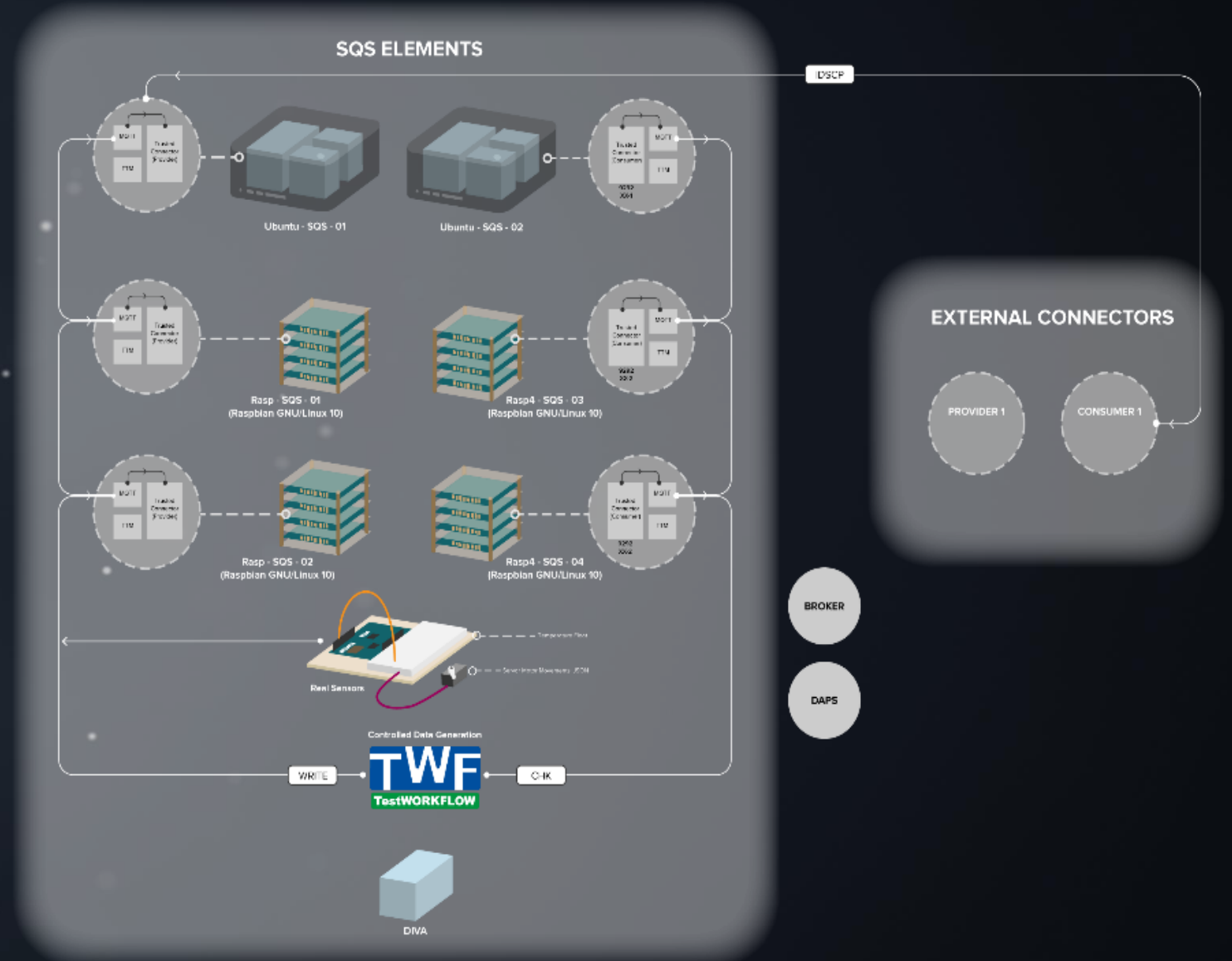
# 1<sup>st</sup> Integration Test Camp - SQS Test Lab



# SQS Test Lab – 1<sup>st</sup> Scenario

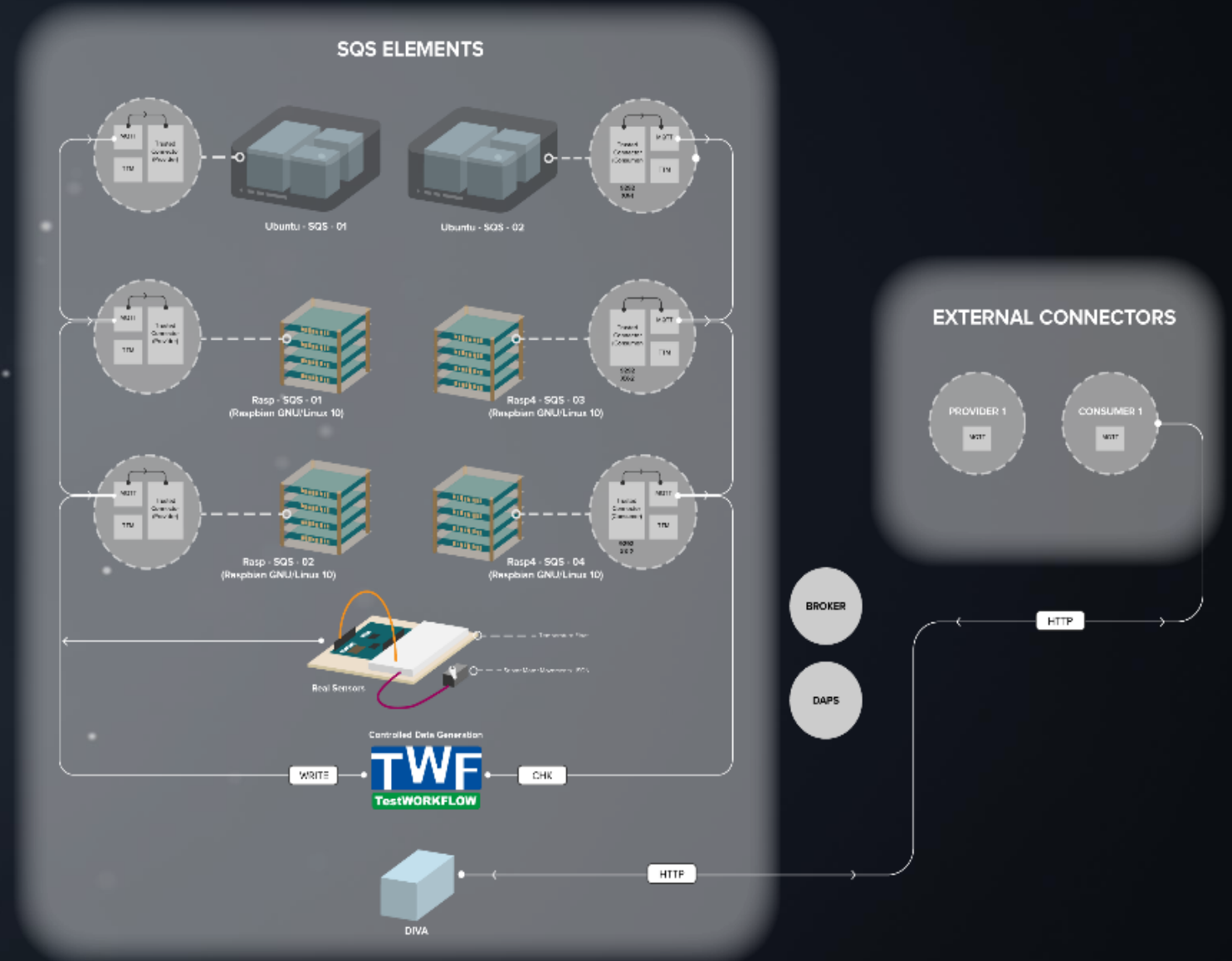


# SQS Test Lab – 2<sup>nd</sup> Scenario



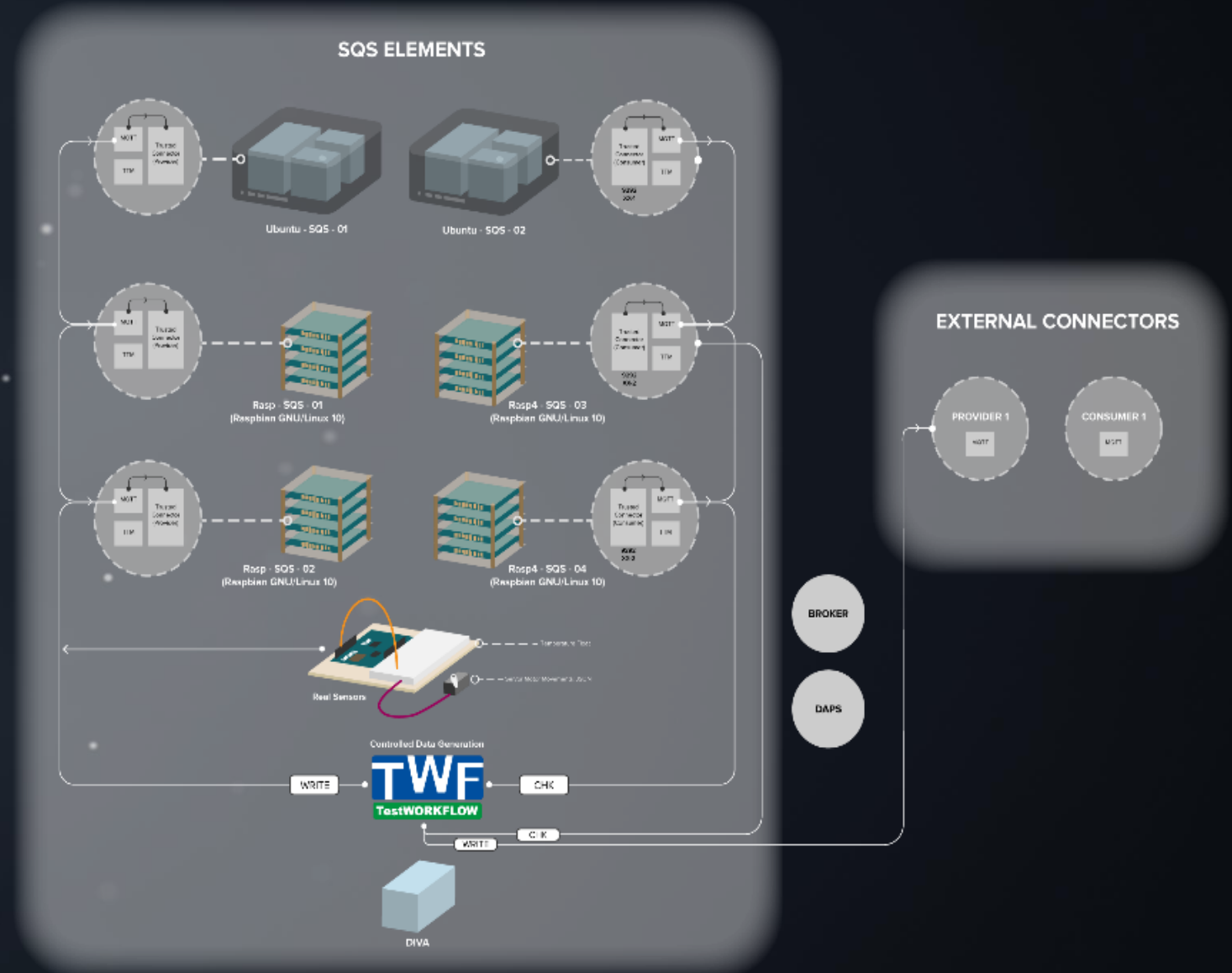


# SQS Test Lab – 3<sup>rd</sup> Scenario

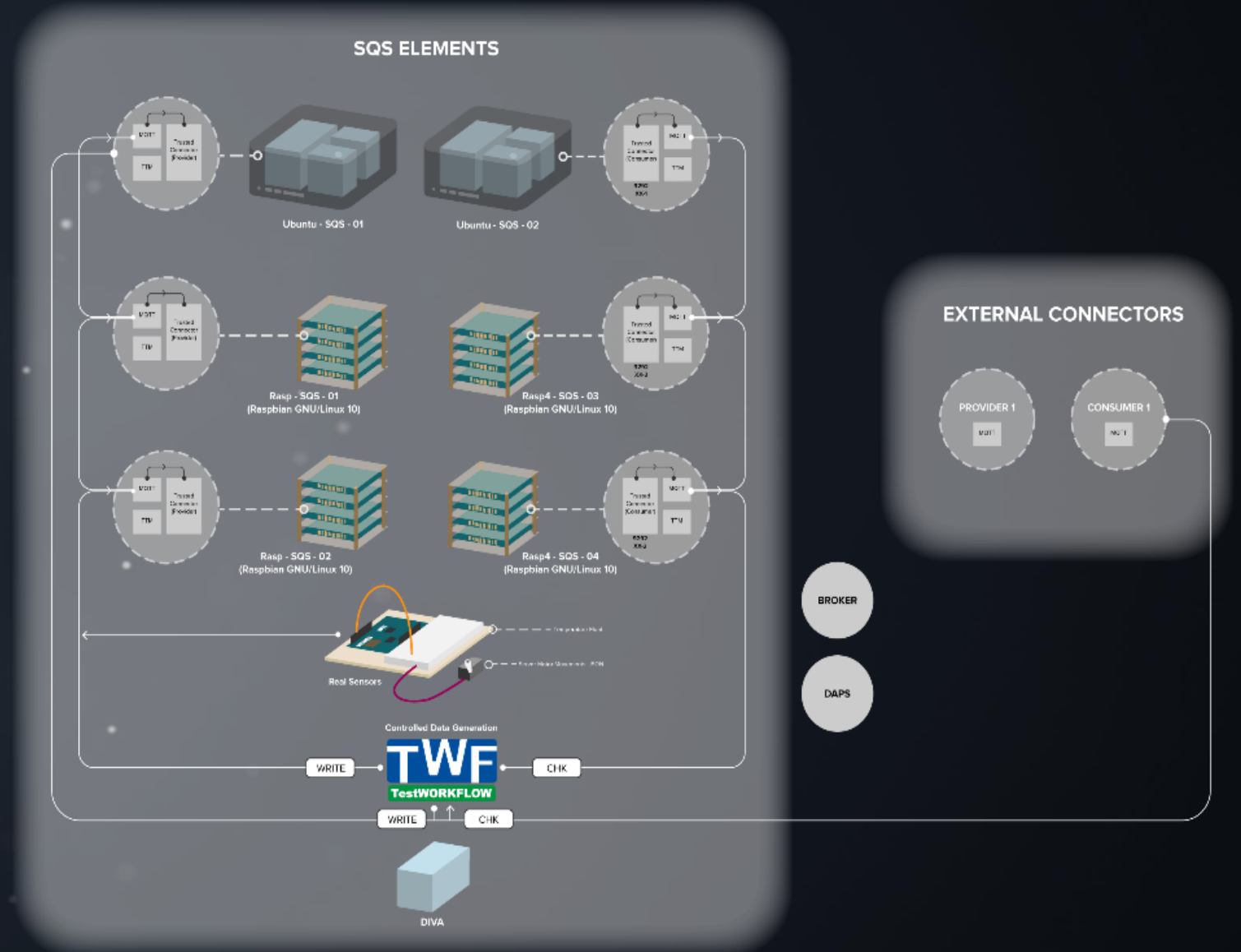




# SQS Test Lab – 4<sup>th</sup> Scenario



# SQS Test Lab – 5<sup>th</sup> Scenario





# 1<sup>st</sup> ITC - Attendance

Monday	Tuesday	Wednesday
9:00 – 13:00 FH IAIS + FH ISST	9:00 – 11:00 CERTH	9:00 – 11:00 GEC
	11:30 – 13:30 TNO	11:30 – 13:30 UPM
15:00 – 17:00 FIWARE	15:00 – 17:00 ENGINEERING	15:00 – 17:00 ATLANTIS

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## 1<sup>st</sup> 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



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## 1<sup>st</sup> ITC - Difficulties encountered

- Connection issues
  - Network access control is not managed by the connector development team → Any changes with testing purposes take longer than desired
- Solution proposed:
  1. Test connectors interoperability on the same network
  2. When everything works fine, move to different networks.

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## 1<sup>st</sup> ITC - Difficulties encountered

- HTTP communication protocol needed
- SQS offered HTTP only with a provider and that didn't fit to all participants needs
- Solution proposed:
  - Improve the lab offer in HTTP protocol
  - Organize slots with more than one participant.



## Next editions

- Publish more information about the test camp in advance
  - How it will be managed
  - The scenarios considered
- Publish the Test Cases in advance
- Have publicly available APIs before the Test Camp
- Offer available machines in the lab environment



## Next editions

- Improve the lab environment
  - Develop more features to the existing connectors
  - Add new connectors
- Make groups of participants with similar necessities, so they can also try the interaction with each other.