OR.NET e.V.

OR.NET & IHE Germany SDC Plug-a-thons

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Outline

- Scope and Purpose
- Plug-a-thon #1
- Plug-a-thon #2
- Plug-a-thon #3
- Future Plug-a-thons

Scope and Purpose

- Informal collaboration of engineers within the boundaries of a joint meeting of OR.NET and IHE Germany
- Establish interoperability between different SDC implementations and between devices from different vendors
- Formalize SDPi transactions and test against those to facilitate conformance testing
- ~ bi-monthly meeting
- Documentation: [Community Events - Gemini Public - Confluence (hl7.org)]

↑ COVID-free OR.NET-only meeting in 2019

PAT #1 Kick-off meeting 2020/10

- 2020.10.20-21 IHE Germany SDPi PAT - Gemini Public - Confluence (hl7.org)
- Virtual venue due to the pandemic and in order to reduce expenses
- VPN hosted by OR.NET to allow all parties exchanging data in a virtual subnet, and by that utilzing UDP multicast
  - SoftEther VPN
  - Marcus Köny can provide access data and user accounts
- VPN paves the way for long-term offline testing, i.e. testing without the need to come together at plug-a-thons or connectathons
- The group devised a test sequence that covers large parts of the communication scope of SDC
- Mainly difficulties with certificates

PAT #2 2021/03

- 2021.03.24 IHE DE SDC/SDPi PAT #2 - Gemini Public - Confluence (hl7.org)
- Setup of an interoperability matrix to show which implementations are successfully connecting and exchanging data with each other
- Plug-a-thon was closed with a sketchy interoperability matrix and an almost working certificate infrastructure (SSL 1.2 vs 1.3 is still an issue)

PAT #3 2021/06

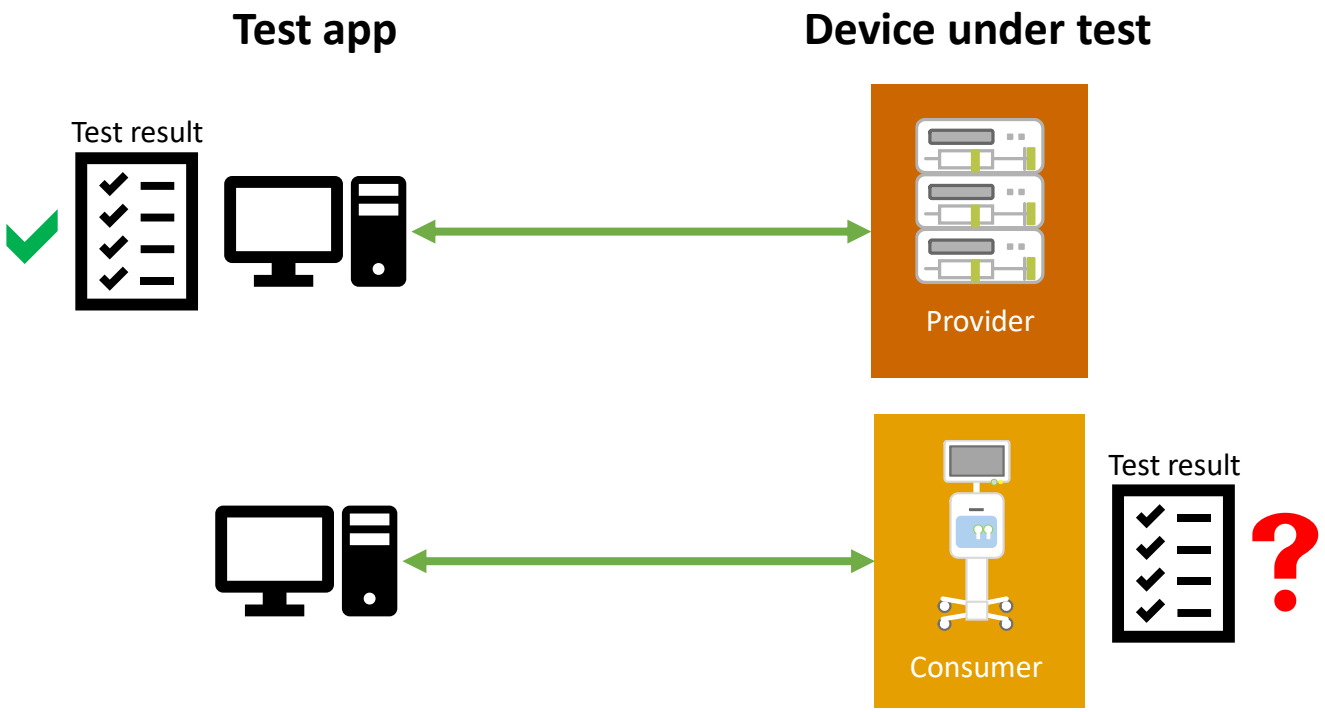
- 2021.06.01 IHE DE SDC/SDPi PAT #3 - Gemini Public - Confluence (hl7.org)
- Continuing on the interoperability matrix – on a clean slate to verify reproducibility
- A docker container has been created with a VPN adapter connecting to the OR.NET SoftEther VPN → can be used as a base for containers that run test apps to test against offline
  - Introduction slide set will be published by the time the next PAT is going to be conducted
- First shot of a test sequence to SDPi transaction mapping: Reference Provider/Consumer Specification - Gemini Public - Confluence (hl7.org) (no full coverage yet)

Next: PAT #4 2021/08

- Detailing of test sequence
- Get coverage of test sequence to SDPi transactions mapping
  - Create provisional test app based on SDCri to generate JUnit test reports
  - SDCcc isn‘t published as open source yet; a lean test app as first shot is good-enough for the moment

Challenge

- It‘s still unclear how to test a consumer
  - A „golden device“ provider that checks specific interaction?



Thank you!

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