

e-SENS conformance testing Holodeck B2B



**HOLO
DECK** B2B





- Holodeck B2B support
- AS4 gateways
- Creators of Holodeck B2B AS4 MSH
- e-Delivery consultancy

<http://chasquis-consulting.com>



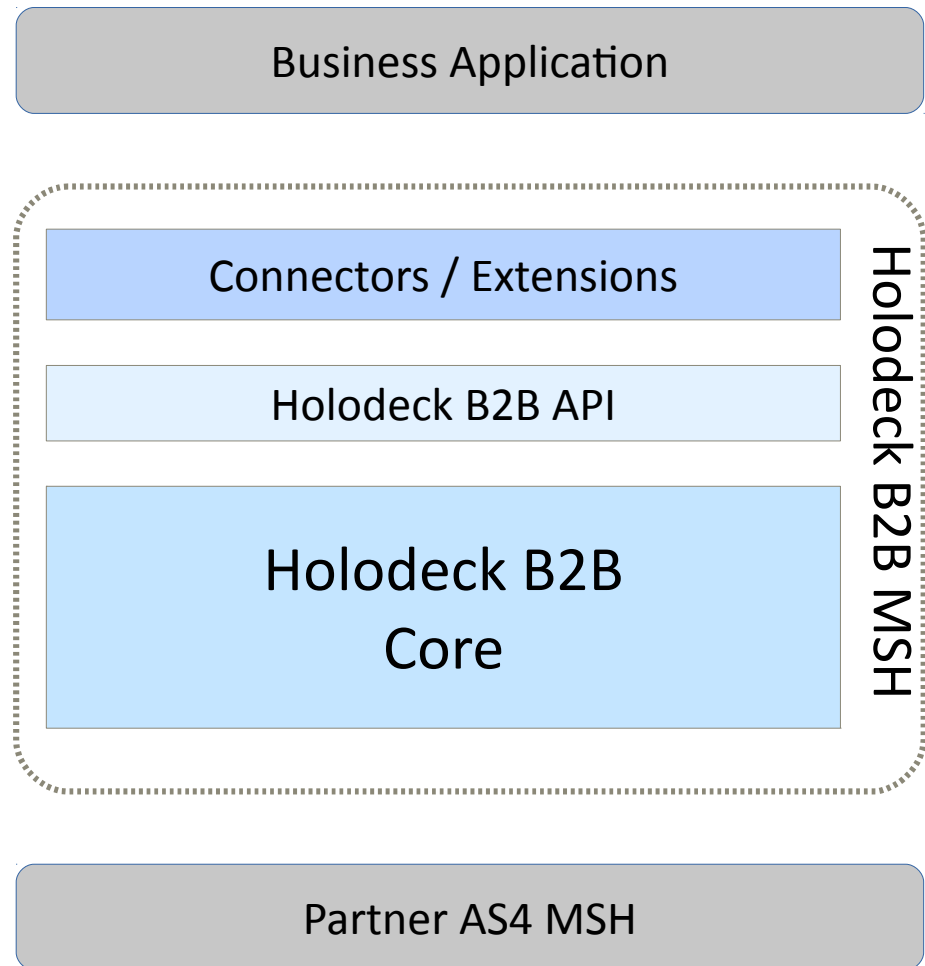


- Open source AS4 implementation
- Supports AS4 Multi-hop ebHandler Conformance Clause
 - e-SENS, ENTSOG and EESSI profiles
- Modular extensible architecture
- Java based

<http://holodeck-b2b.org>



- Open source AS4 implementation
 - Core: GPL v3
 - API layer: LGPL v3
- Extensions provide business / domain specific functionality
 - Custom integration
 - Dynamic configuration
 - Evidence generation



e-SENS conformance testing

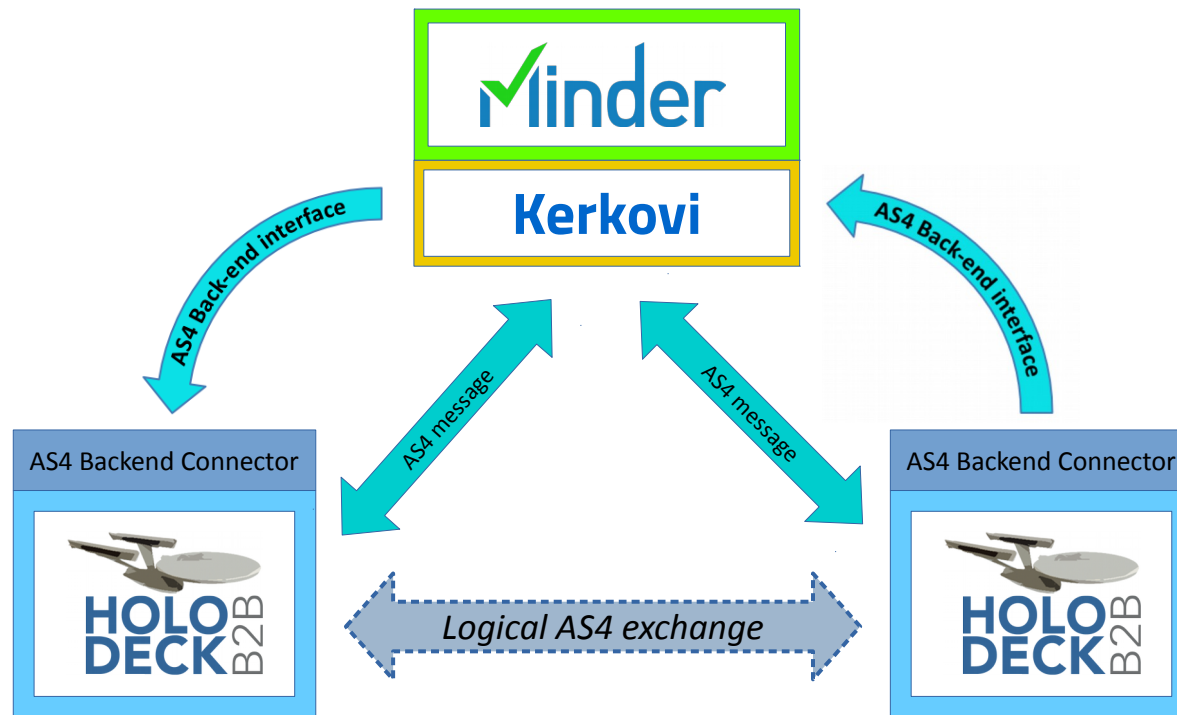
- Conformance with e-SENS AS4 profile
 - AS4 ebHandler profile without multi-hop and pull features
 - Support for Two-Way MEP -> inclusion of `eb:RefToMessageId`
 - AES-128 GCM encryption
- 40 test assertions
 - 22 related to general AS4 requirements
 - 18 specific to e-SENS profile requirements
- Statically configured 4-corner model with Holodeck B2B as C2 and C3



e-SENS conformance testing

Automated test using Minder testbed

- AS4 also used as back-end interface
- Implemented in AS4 backend connector



Test experiences

- Successfully completed the test
- Two optional assertions not tested (beyond AS4 specification)
- Considerable amount of resources needed for test
- Test helped to improve product quality
- Close co-operation is needed between vendor and test platform operator
- Minder/Kerkovi platform was also still in development / test phase

Caveats

- Conformance does *not* guarantee interoperability!
- AS4 is just one building block of the architecture, there are more!



Thank you

Sander Fieten
sander@chasquis-consulting.com

