

ICMC 2019 PKCS #11 Interop Demonstration Event

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Rationale

- Requirement to show testing value
 - Participants
 - Industry expectations
 - Spec & Profile development
- Commitment to members

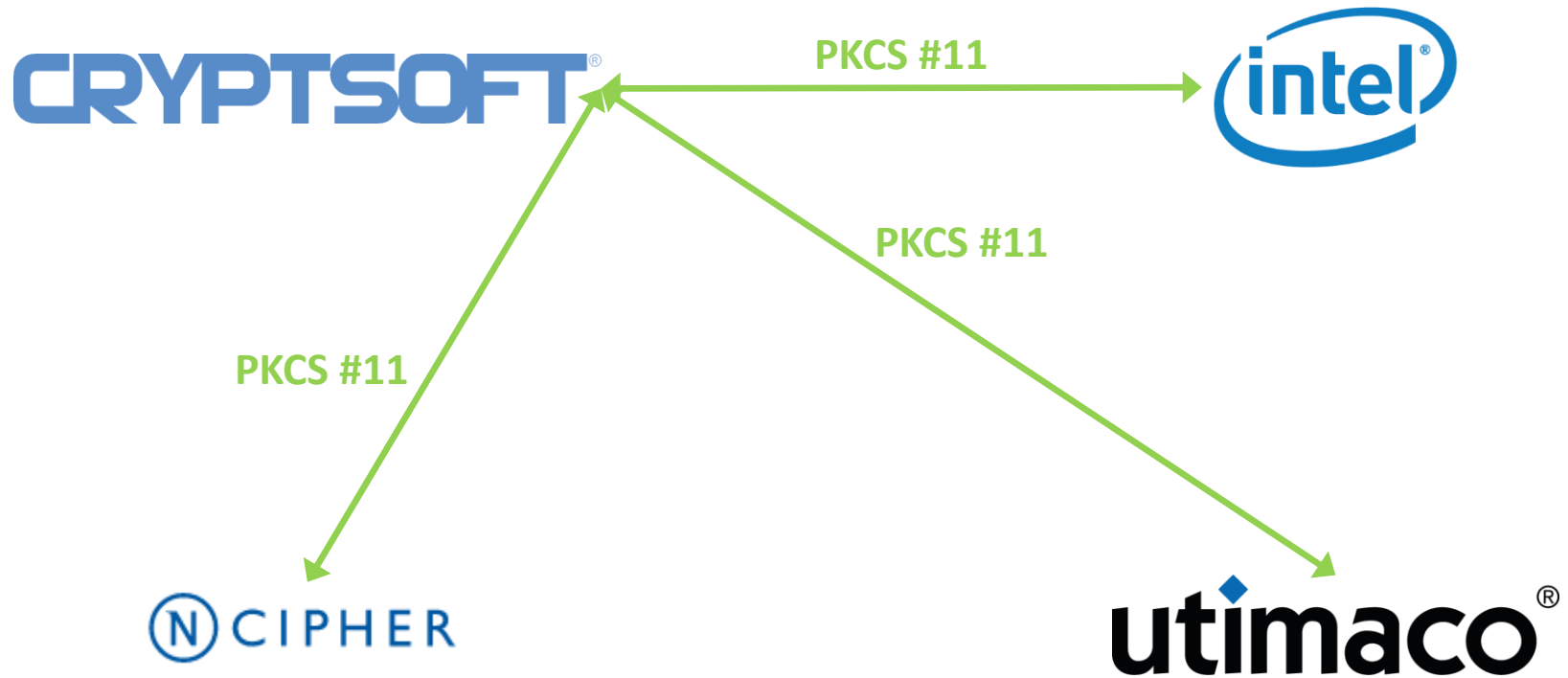
Event Overview

- Relatively painless setup
- 2 full days (in between speaking sessions)
- ~400 attendees at event
- Most booth visitors were knowledgeable about PKCS #11

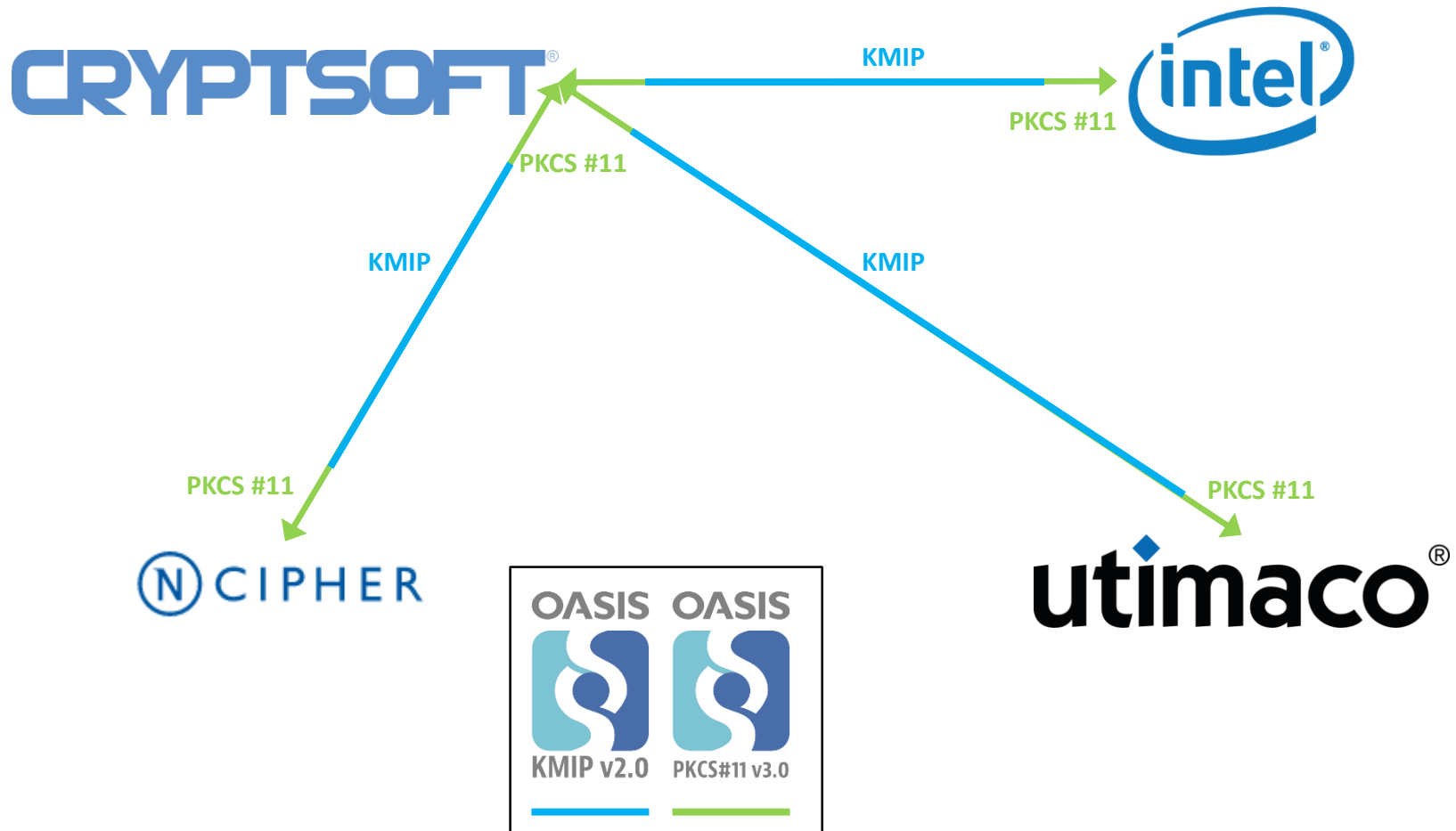
What we actually demonstrated

- A range of operations:
 - C_GenerateKey
 - C_GenerateRandom
 - C_Encrypt/C_Decrypt
 - C_GetMechanismList
 - C_GetInfo
 - C_FindObjects
- All operations performed without needing to install vendor-specific PKCS#11 drivers/APIs on consumer systems
- All operations were serialised and transmitted via a standardised network protocol (KMIP)
- Vendors were able to see actual PKCS #11 interactions between vendors

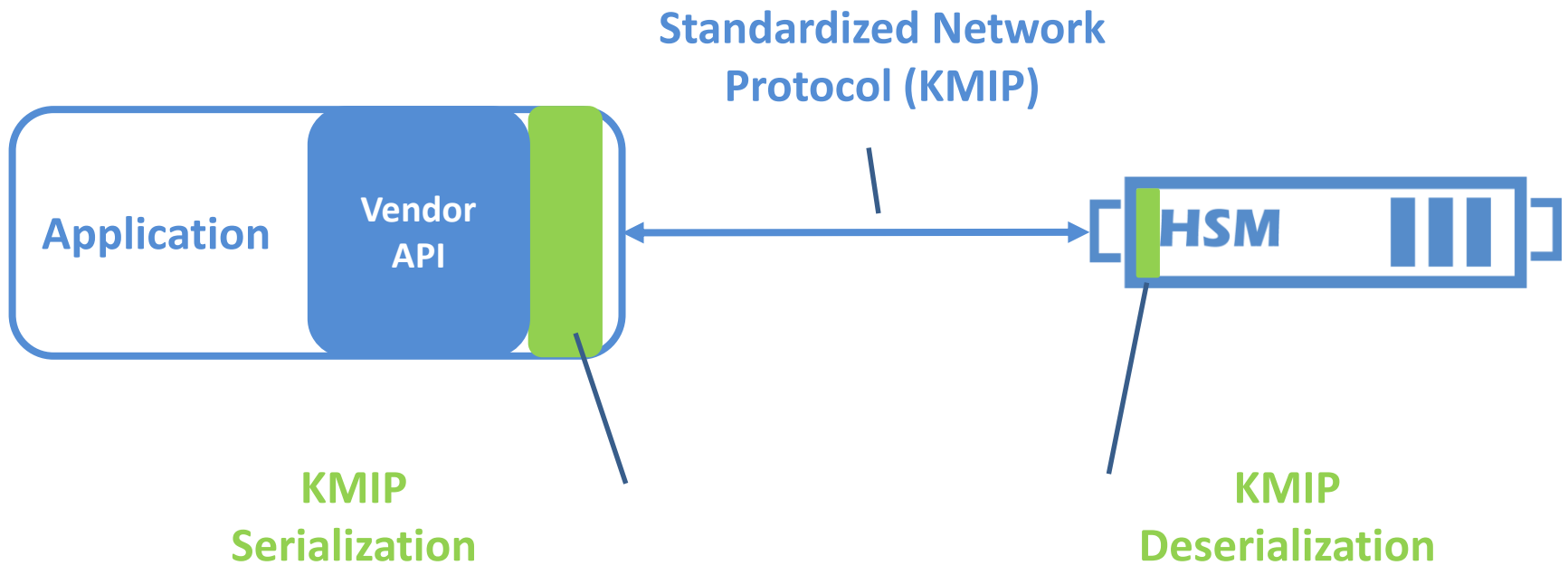
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Where to from here?

- All participants stated interest in attending an interop at ICMC2020 using a further-developed version of what was used this year
- Stated interest in overlapping with KMIP
- Stated interest in XML-based testing to prepare for the event and eliminate some teething issues during setup.
- Stated interest in conformance testing metrics