ForCES Interoperability test (Mid-February 2011 approx)

IETF – 79 Beijing

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Summary

- Location.
- Testing material.
- Scenario Overview.
- Network Configuration.
  - Local.
  - Distributed.
- Scenarios.
- Questions.
- Questions Summary.

Location

- Zhejiang Gongshang University (tentative)

Testing material

- RFC 5810 (Protocol)

- RFC 5811 (SCTP-TML)

- RFC 5812 (Model)

- draft-ietf-forces-ceha-00

- draft-ietf-forces-lfb-lib-02

Scenarios Overview

- The scenarios will cover more advanced ForCES functionality than previous interop.
- In some scenarios, NEs will be comprised of one CE and multiple FEs from different implementers and optional scenarios for CEHA implementations.
- All scenarios will be tested more than once with permutations of the CE(s) and FE(s) from different implementers.
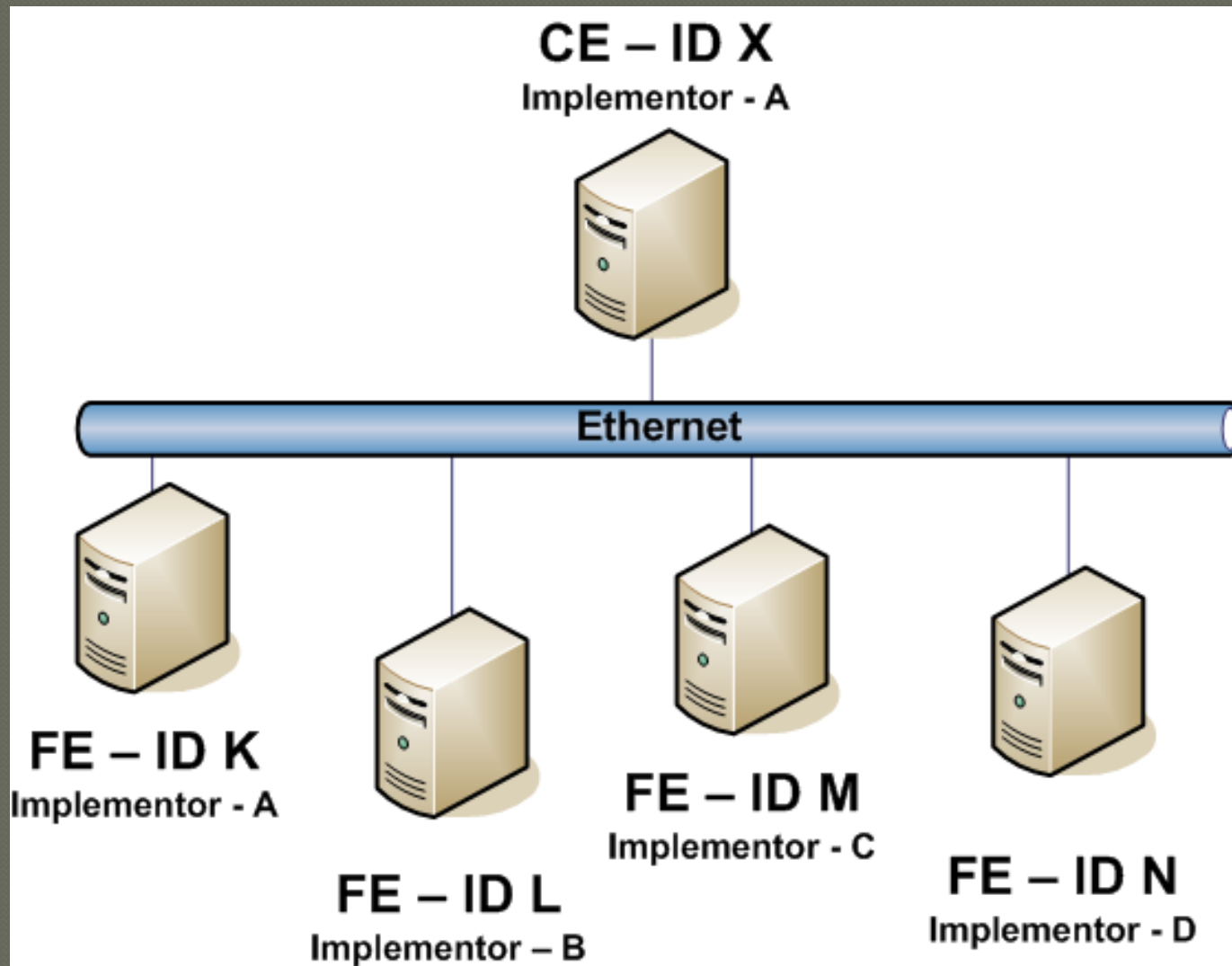
Scenarios Overview

- Advanced ForCES Functionality:
  - TML IPSec security.

  - LFBs from LFB-lib document.

  - DataPath Implementation (Optional?)
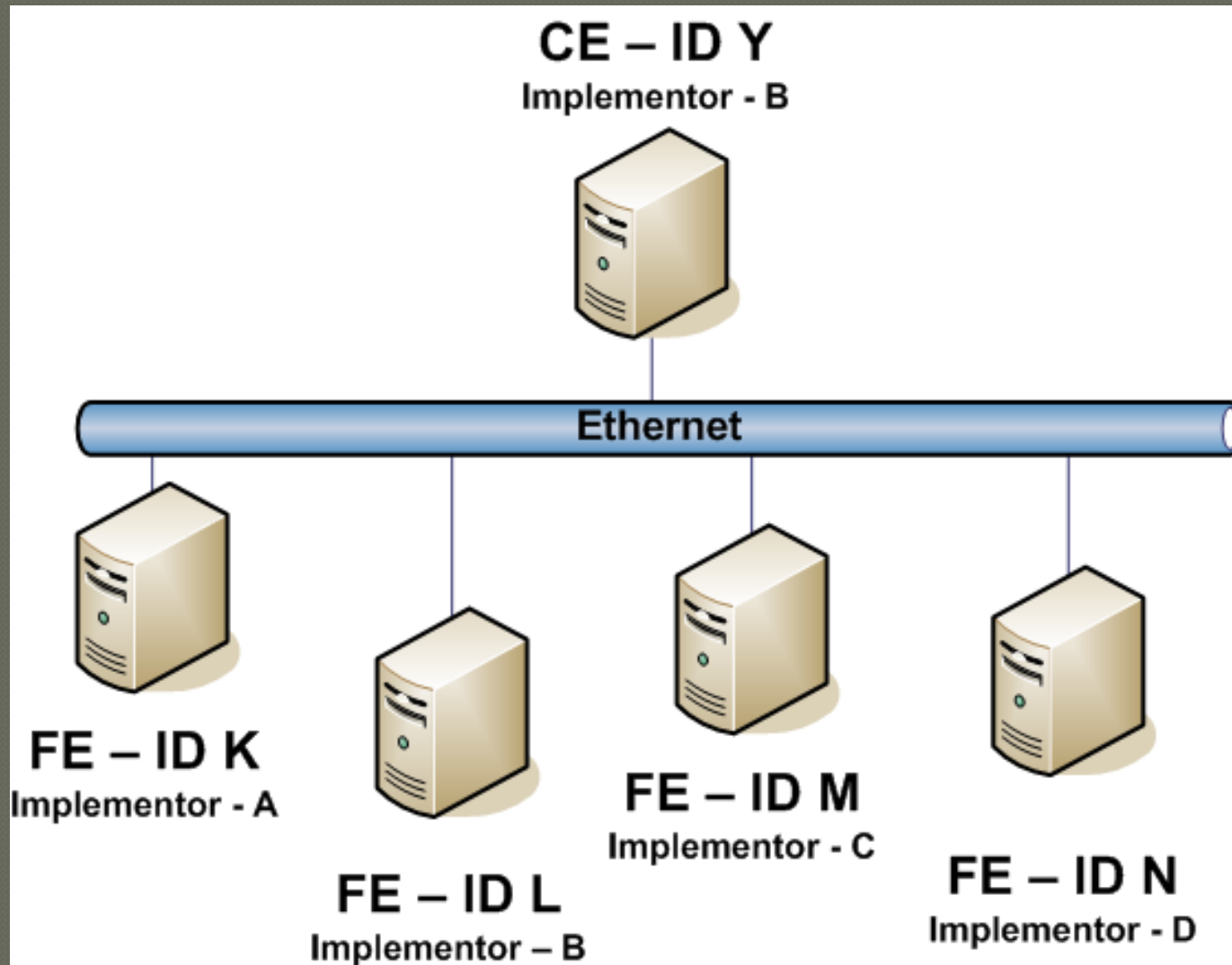
  - CE High Availability (Optional?)
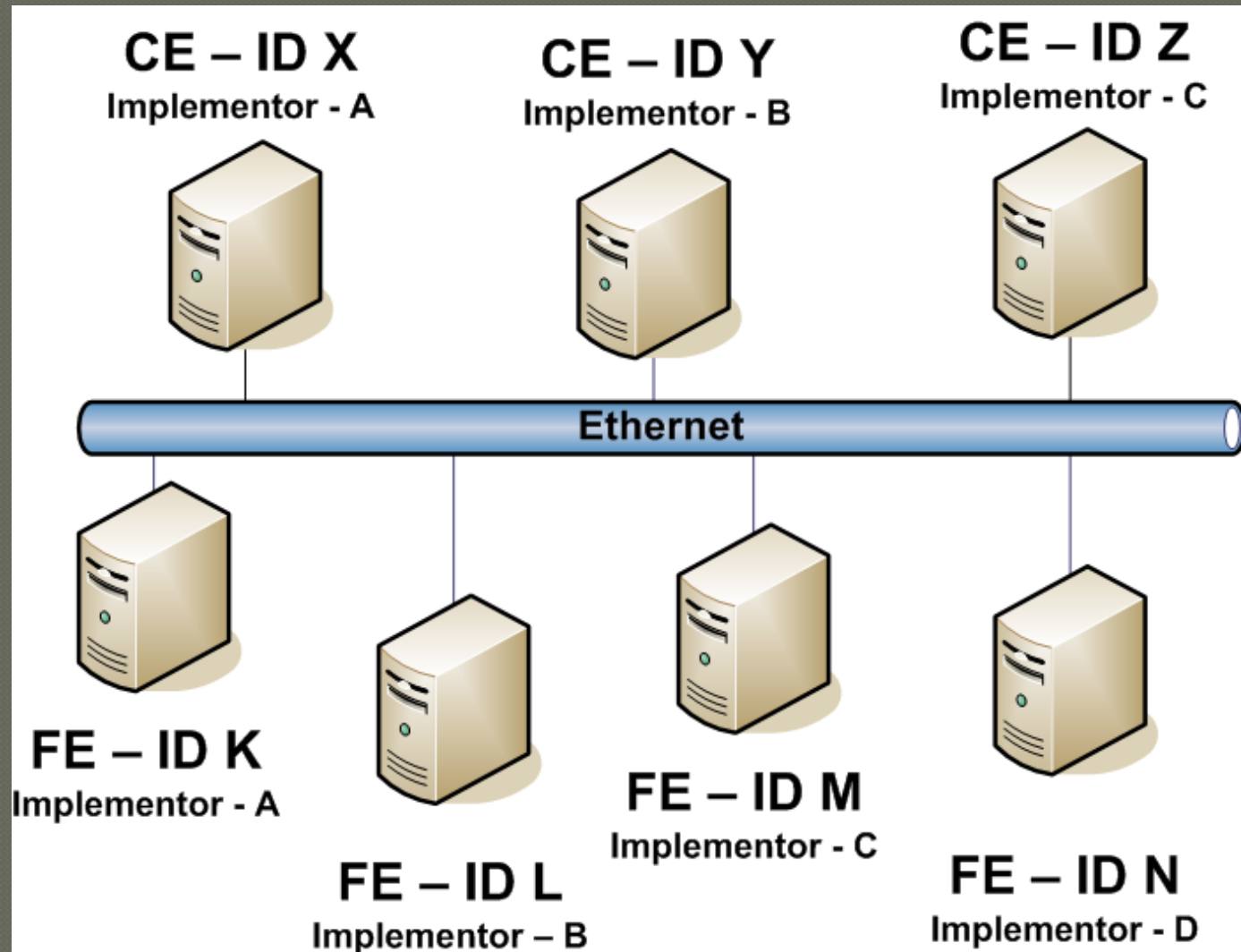
Local Configuration
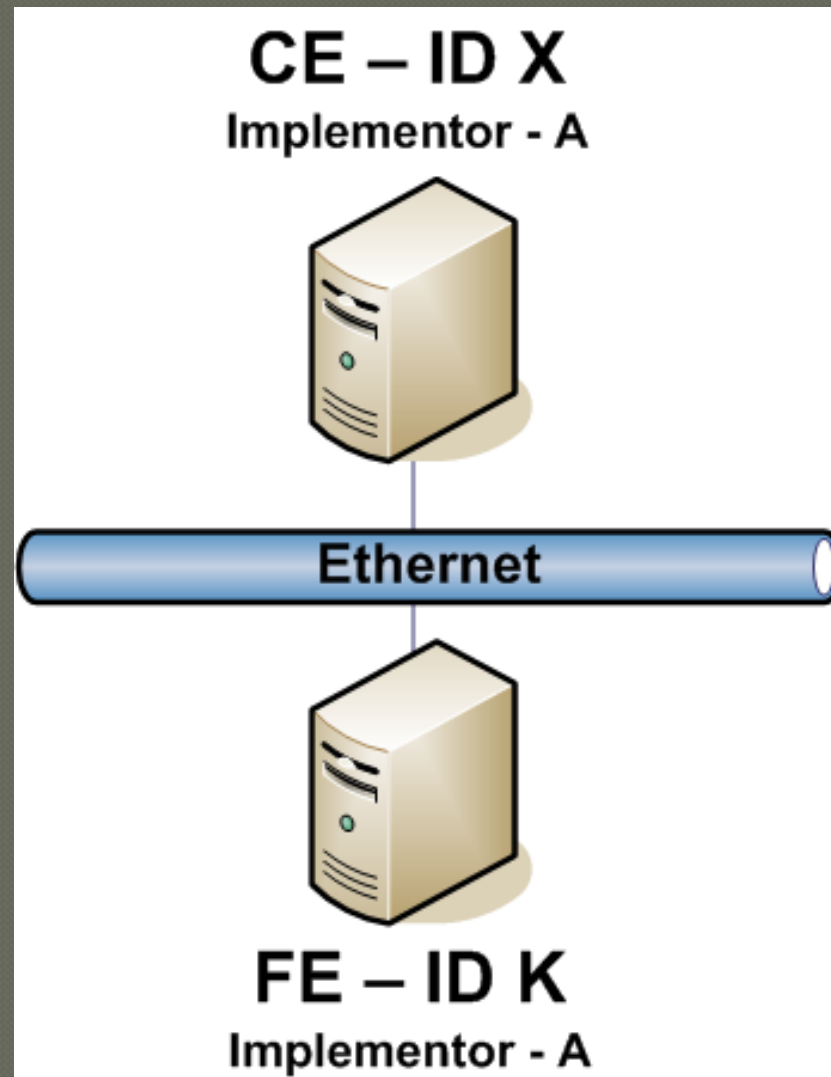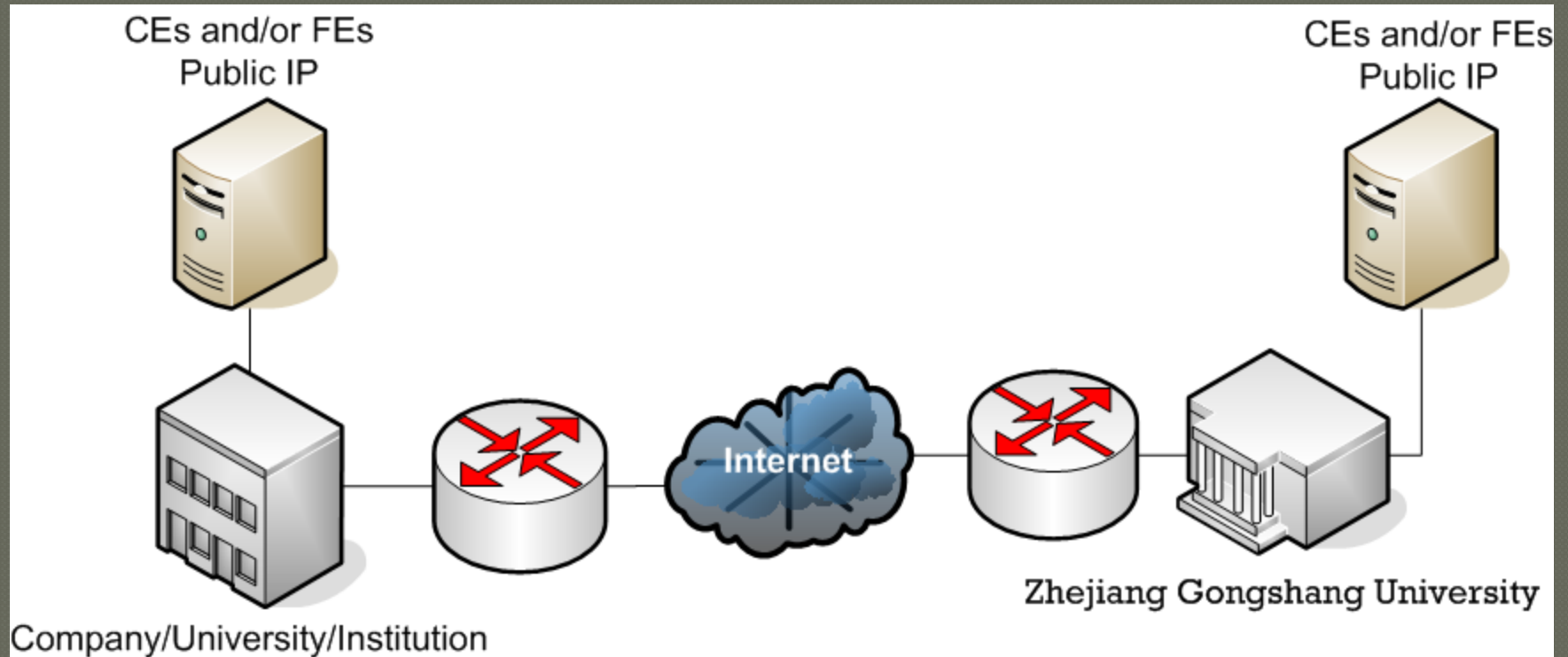
Local Configuration (cont.)

Local Configuration (cont.)

Local Configuration (cont.)

Distributed Configuration

Scenario 1 – The basic

- This scenario should assess the basic ForCES features, tested in Upatras interoperability including:
  - TML setup (with IPSec).
  - Association Setup.
  - Association Teardown.
  - Basic Query/Config.
- Should IPSec be mandatory?

Scenario 2 – LFB-lib Tests

- Config/Query LFBs from LFB-lib.
- Rotate different CE/FE implementations.

- Open Question: What parts of LFBlib should we test?

Scenario 3 – CEHA

- Part 1 - FEs with CEHA enabled should be associated with CEs from one implementer.
- Part 2 - FEs with CEHA enabled should be associated with CEs from different implementers.
- Test CEHA with master CE disconnected by:
  - Loss of connection.
  - Association Teardown.

Questions:

- How many local participants?

- Anybody interested in remote participation? (probably University of Patras)

- Specific dates for interoperability test?

- Special requirement?

Open Questions summary:

- DataPath Implementation (Optional?)

- CE High Availability (Optional?)

- Should IPSec be mandatory?

- What parts of LFBlib should we test?