ForCES Interoperability test (Mid-February 2011 approx)

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Location.

Testing material.

Scenario Overview.

Network Configuration.
  • Local.
  • Distributed.

Scenarios.

Questions.

Questions Summary.
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
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

CE – ID X
Implementor - A

Ethemet

FE – ID K
Implementor - A
Local Configuration (cont.)

CE - ID X
Implementor - A

Ethernet

FE - ID K
Implementor - A

FE - ID L
Implementor - B

FE - ID M
Implementor - C

FE - ID N
Implementor - D
Local Configuration (cont.)
Local Configuration (cont.)

CE – ID X
Implementor - A

CE – ID Y
Implementor - B

CE – ID Z
Implementor - C

FE – ID K
Implementor - A

FE – ID L
Implementor - B

FE – ID M
Implementor - C

FE – ID N
Implementor - D

Ethernet
Distributed Configuration

CEs and/or FEs
Public IP

Company/University/Institution

Internet

Zhejiang Gongshang University

CEs and/or FEs
Public IP
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?