

GGF-16

Firewall Issues Research Group

Mailing list: fi-rg@ggf.org

Projects page: <https://forge.gridforum.org/projects/fi-rg>

Chairs:

Inder Monga: imonga@nortel.com

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1:30 [5'] Introduction, note-taker, charter discussion, IPR statement

1:35 [35'] Document discussion and classification

Ralph Niederberger

Research Update:

2:10 [15'] Approaches toward dynamic firewall implementation
Gian Luca Volpato

2:25 [15'] Experiences with Firewalls in South Eastern Europe
Emanouil Atanassov

2:40 [5'] Force -10 Firewall update
Raju Shah

2:45 [15'] Token Based Firewalls
Leon Gommans



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FI-RG

- Study barriers and propose solutions to inter-organization grid deployment due to mid-boxes managed by varied administrative domains
 - Firewalls
 - NATs
 - VPN gateways
 - Application-level gateways ...
- Collect use-cases, classify issues, new solutions, research...
- Ultimate goal is to enthuse standards and vendor implementations



Goals and Milestones:

Submit informational documents that describe:

- 1) An inventory of the type of issues when Grid jobs have to deal with middle-box functions, application level gateways, VPN style gateways, etc. Describe and classify the issues in document #1
- 2) An evaluation of existing IETF middle-box (signaling-) protocols and functions. Recognize possible limitations and produce a list of requirements towards the IETF in document #2
- 3) An evaluation of approaches and solutions such as application level gateways, host based firewalls, VPN style gateways etc. Capture results in document #3

GGF13: Charter discussion and group volunteers

GGF14: Collection of existing documents with Group discussions

GGF15: First draft of document #1 and Group discussions.

GGF 16: WG-last call and submission of document #1. Draft of document #2 and group discussions

GGF 17: WG last-call and final submission of document #2.

GGF 18: Draft document #3 and group discussions.

GGF 19: 2nd draft of document #3 with group discussions.

GGF 20: WG last-call and final submission of document #3.

Group Progress vs Charter

1. An inventory of the type of issues when Grid jobs have to deal with middle-box functions, application level gateways, VPN style gateways, etc. Describe and classify the issues in document #1
 - Use case document in progress
2. An evaluation of existing IETF middle-box (signaling-) protocols and functions. Recognize possible limitations and produce a list of requirements
 - Intent is to apply IETF solutions to use-cases and do a “gap-analysis”
 - What is the deployment story? Reasons why these are not well deployed
3. An evaluation of approaches and solutions such as application level gateways, host based firewalls, VPN style gateways etc. Capture results in document #3
 - New solutions are being researched
 - Solutions in research and possibly implementations by vendors
 - Kick-start solutions document today/mailling list

Modified Group Milestones

- GGF13: Charter discussion and group volunteers (done).
- GGF14: Collection of existing documents with Group discussions (done)
- GGF15: First draft of document #1 (done)
- GGF 16 (Athens):
RG-last call and submission of document #1: CLOSE!
Kick-start solutions draft and group discussions: NOW!
- GGF 17: RG last-call for use-cases draft, outreach (#1)
draft submission evaluating proposed solutions (#3)
- GGF 18: Submit use-cases doc (#1)
Final draft evaluating proposed solns. (#3)
Identify standards opportunities/create doc (#2)
- GGF 19: Submit proposed solns., first pass on standards
- GGF 20: finalize standards draft, engage appropriate standards committees (or BOF in GGF)