Middlebox Traversal Issues of HIP Communication

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draft-stiemerling-hip-nat-05

Martin Stiemerling, Jürgen Quittek, Lars Eggert

{stiemerling|quittek|eggert}@netlab.nec.de

Recent Changes

- Focusing on specific middleboxes
  - NATs and NAPTs
  - Firewalls
- Other middleboxes considered to be of secondary importance (for now)
  - e.g., TCP PEPs
- Removed solution ideas
- This is now a pure problem statement
- One intermediate version -04
- Diff between -03 and -05 is available here
  - http://www.stiemerling.org/ietf/hip/draft-stiemerling-hip-nat-05-diff-03.html

I-D Content

- Document is a problem statement
  - Analysis of NAT/FW traversal issues for HIP
- Does NOT provide a solution
- Describes issues when HIP encounters these middleboxes
  - HIP base exchange problems
  - HIP ESP data traffic
  - For both IPv4 and IPv6
- (Briefly) discusses possible extensions to HIP and middleboxes
- Discusses traversal of legacy NATs

What's next?

- Document is stable
- Basis for further work
  - HIP MB traversal requirements
  - HIP MB traversal protocols
- What to do with this document?
  - Has been proposed as RG document at last meeting

Thank you!

Questions?