NAT/Firewall NSIS Signaling Layer Protocol (NSLP)

draft-ietf-nsis-nslp-natfw-14.txt

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NSIS Working Group, 68th IETF meeting
Draft Update (1)

- Working group review comments incorporated.
- Removed leftover of NATFW_CREDENTIAL from Appendix D and IANA considerations
- NATFW_DTINFO object must be included when using the LE-MRM.
  - NATs and firewalls need to have information about the used transport protocol
- Added text to Section 3.4 "Calculation of Signaling Session Lifetime"
Draft Update (2)

- Simplified Appendix A "Selecting Signaling Destination Addresses for EXT"

- Replaced terminology “upstream” by “inbound” and “downstream” by “outbound”

- Added new asynchronous notification 'NATFW signaling session lifetime expired'

- Changed NOTIFY semantics to allow sending inbound and outbound, depending on notification type
Draft Update (3)

- In Section 3.7.6.2 "Proxying for a Data Sender", added clarification on how to teardown the CREATE send by the proxy.

- Clarified throughout the text what type of sessions is always meant, i.e., if either application session or NATFW NSLP signaling session.

- Terminology: Clarified the "mode" terminology usage. There is now only the proxy mode operation left.

- Editorial changes to Section 2.8 "Multihomed Network with NAT" for better illustration.
Draft Update (4)

- Clarified when the lifetime of a session starts in Section 3.2.3 "NATFW NSLP Signaling Sessions"
  - Reworked the NAT semantics part of EXT
    - Some cases where missing
Review by Security Area Directorate

- Review by Catherine Meadows
- Clarifications for the security mechanisms demanded for
  - Section 5.2.3, data sender behind a firewall
  - Section 5.8, misuse of unreleased sessions
- Security consideration section considered to be too long.
- Suggestion by Catherine: The detailed list of attacks should be removed.
Implementations

- University of Göttingen
  - [http://user.informatik.uni-goettingen.de/~nsis/](http://user.informatik.uni-goettingen.de/~nsis/)

- University of Coimbra

- University of Karlsruhe
  - [https://projekte.tm.uka.de/trac/NSIS/](https://projekte.tm.uka.de/trac/NSIS/)
Next Steps

- Draft update addressing security comments
  - Deadline: April 2007

- Interop testing to gain implementation feedback?

- Working Group Last Call ready soon.