

A YANG Data Model for Network Address Translation (NAT) and Network Prefix Translation (NPT): An Update

<https://tools.ietf.org/html/draft-ietf-opsawg-nat-yang08>

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M. Boucadair (Orange)

S. Sivakumar (Cisco)

C. Jacquenet (Orange)

S. Vinapamula (Juniper)

Q. Wu (Huawei)

What Happened Since Prague?

- 00 (08/17):
 - The document is adopted
 - Integrate comments raised during the call for adoption
- 01 (08/17): Focus on CLAT
 - Request Lee Howard for an external review
 - Integrate comments from Jordi Palet
 - Update the document accordingly
- 02 (08/17): Focus on NPTv6
 - Request F. Baker for an external review
 - Update the document accordingly
- 03 (09/17): Focus on EAM SIIT
 - Request Tore Anderson for an external review
 - Update the document accordingly

What Happened Since Prague?

- 04 (09/17): Focus on the CGN
 - Request Wim Henderickx for an external review
 - Integrate comments from Kristian Poscic
 - Resulted in a major change of the design:
 - Multiple policies can be configured for a given NAT instance
 - Ability to specify the external realm
- 05 (09/17): NAT64
 - Rajiv Asati suggested to clarify how the module applies for both stateless and stateful NAT64

What Happened Since Prague?

- 06 (09/17):
 - Minor changes to the document
 - Requested an early yangdoctors review
- 07 (10/17):
 - Fix a first set of issues raised by Juergen Schoenwaelder in his review
 - Mainly editorial/nits/clarification/add some missing clauses (e.g., units)
- 08 (11/17)
 - Fix major issues raised by Juergen (see next slide)
 - And other edits to prepare the document for a WGLC

Early YangDoctors Review

- **Make use of features:** Done
- **Misuse of identities to refer to a VRF instance** in the external realm:
 - Fixed by removing the reference to VRFs because there is no stable reference to cite for pointing to a VRF instance
- **The Logging part does not provide protocol-specific configuration parameters**
 - This was on purpose, because IPFIX/SYSLOG modeling is out of scope of this document
 - Only the IP addresses/port of the logging server and a choice of logging protocol were described
 - Juergen argued it is inappropriate for a Standard track document to only provide a partial set of information
 - As a result, that part was removed from the module

Early YangDoctors Review

- **Clarify the relationship with the NAT-MIB**
 - A new section is added for this purpose
 - Updated some description clauses to explicitly refer to the NAT MIB when appropriate
- **Some of the gauges might fluctuate fast**
 - Added notification intervals to rate-limit notifications
- **The security considerations should be more specific**
 - Updated the text accordingly

What's Next?

- Request WGLC
- Questions & Comments?