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

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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?