

NAT64 MIB

draft-jpdionne-behave-nat64-mib-00

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Plan

- Differences between NAT64 and traditional NAT
- Current NAT-MIB
- draft-jpdionne-behave-nat64-mib-00
- CGN-MIB?
- Directions to the draft

NAT64

- Differences with traditional NAT
 - Uses IPv4 and IPv6
 - Have an additional configuration parameter
 - NAT64 Destination prefix (Well-known or Provider specific)
 - Possibly larger session tables (CGN)

NAT-MIB

- The current NAT-MIB (rfc4008)
 - Can describe mapping with different address families
 - Does not describe the NAT64 prefix
 - Use of the Local/Global/Private/Public terms is confusing for NAT64

Proposed changes

- Proposed changes to RFC4008 (draft-jpdionne-behave-nat64-mib-00):

NatAddrMapEntry ::= SEQUENCE {

...

natAddrMapPref64	Ipv6AddressPrefix,
natAddrMapPref64Length	INTEGER (0..128)

- Clarify terminology

CGN-MIB

- NAT64 may be a CGN
- Issues related to CGN
 - Walking large session table
 - Alarm for address/port exhaustion
 - Alarm for exceeded port quota
 - Add lifetime to mappings

Directions to the draft

- Accept this draft as a working group item?
- NAT-MIB update (rfc4008bis)
- Separate NAT64-MIB or NAT64-DNS64-MIB
- CGN-MIB

Questions?

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