

Analysis of 64 Translation

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Beijing 2010

BEHAVE WG

Terminology

- 64 denotes the solution described in
 - Stateful NAT64 [[I-D.ietf-behave-v6v4-xlate-stateful](#)]
 - DNS64 [[I-D.ietf-behave-dns64](#)]
 - IPv6 Addressing of IPv4/IPv6 Translators [RFC6052]
 - Framework for IPv4/IPv6 Translation [[I-D.ietf-behave-v6v4-framework](#)]

Overview

- **Goal:** Check to what extent the issues listed in RFC4966 are mitigated in 64 proposal
- **Methodology:** Classify the issues described in RFC4966 into three categories and analyze 64 against them
 1. Problems not addressed by 64
 - Some issues are not specific to NAT-PT and are valid to any NAT-based solution
 2. Problems addressed by 64
 - Mainly those related to DNS
 3. Problems mitigated by the support of BEHAVE NAT RFCs

Open Question #1

- The current version covers Stateful NAT64 only
- Shall we extend the document to Stateless NAT64?

Open Question #2

- No recommendation is provided in the I-D as we want the document to be analysis document and avoid solution-related discussion
- Does the WG agree with this scope?

Next Steps

- Please review the document and provide comments about
 - Technical content
 - Structure of the document and the analysis form
- We will issue an updated version according to the received comments