prop-064-v002

Change to assignment policy for AS numbers

APNIC26 - Christchurch NZ

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- A change to APNIC-094

- "Policies for Autonomous System number management in the Asia Pacific region"

  - http://www.apnic.net/policy/asn-policy.html

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- The policy seeks to create awareness earlier within the community for the need to support 4-byte AS numbers without mandating an absolute final adoption of 4-byte A numbers.

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- Current policy

- 1 January 2007 APNIC assigns two-byte AS numbers by default. APNIC assigns four-byte AS numbers on request.

- 1 January 2009 APNIC assigns four-byte AS numbers by default APNIC assigns two-byte AS numbers on request.

- 1 January 2010 APNIC ceases to make any distinction between two- and four-byte AS numbers. APNIC assigns from an undifferentiated four-byte AS number pool.

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- Problem

  - Specific jump from "must request 2byte" to general 4[

  - Providers are likely to continue to request 2byte

    - Lack of pressure to Vendors/Service Provide

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- Seeks to create feedback by involving the Provider/Pe[er] the resource request.

  - CUSTOMER -> LIR -> PROVIDER -> VENDOR

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- Details of the Proposal

- From 01/07/09 an LIR requesting a 2-Byte AS number would need to demonstrate they cannot announce a 4-Byte AS

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- Proposed policy

- 1 January 2007 APNIC assigns two-byte AS numbers by default APNIC assigns four-byte AS numbers on request.

- 1 January 2009 APNIC assigns four-byte AS numbers by default. APNIC assigns two-byte AS numbers on request.

- 1 July 2009 APNIC assigns four-byte AS numbers by default. APNIC assigns two-byte AS numbers if a four-byte AS number is demonstrated to be unsuitable

- 1 January 2010 APNIC ceases to make any distinction between

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- Key Benefits

- - Makes more service providers aware of the requirement to support 4Byt

- - Information on the status of support will be documented

- - Providers will put pressure on Vendors

- - Increases the chance of orderly transition

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- Key Disadvantages

- - Will create more work per AS assignment for APNIC staff

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- Mailing List feedback

- - positive support

- - request for APNIC to publish providers lacking support

- - suggestion it would be interesting to raise at ARIN

- - suggestion to remove "request 2byte" stage (1/1/09)

- - suggestion to push default allocation out till exhaustion

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- Questions/Comments ?