



The show goes on for the IANA IPv4 Address Space Registry

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VP of IANA*

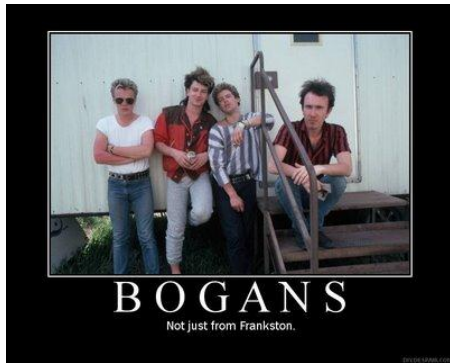
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Progress

The 'no more bogons' draft

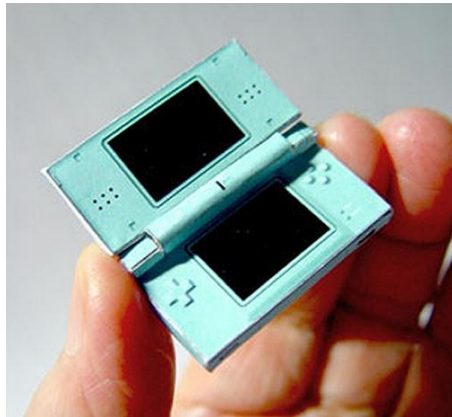
- draft-vegoda-no-more-unallocated-slash8s was accepted as a GROW WG document & became
- draft-ietf-grow-no-more-unallocated-slash8s passed WG Last Call & now with the AD prior to IETF LC



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Washes whiter than white!

IETF IPv4 address assignments



- 192.0.0.0/29 has been assigned for DS-Lite
- It's registered in the IANA IPv4 Special Purpose Address Registry
- Note it has a “routing scope” field

More on “routing scope” (1)

- In an RPKI deployment, some IETF assignments need ASO ROAs, such as 192.0.0.0/29
- These are required by draft-ietf-sidr-iana-objects, which is in the RFC Editor queue

More on “routing scope” (2)

- There are proposals to make the IANA IPv4 Address Space Registry automatically parsable by computers
- draft-manderson-routing-intent
 - submission to the IETF GROW WG & would require adding
 - routability statements
 - more granularity

An example

This is an extract of the impact of the extra granularity on part of 198.0.0.0/8 as proposed in draft-manderson-routing-intent

Prefix	...	Status	PRI	Note
...				
198.0/12		ALLOCATED	Routable	
198.16/15		ALLOCATED	Routable	
198.18/15		RESERVED	Not Routable	[ref]
198.20/14		ALLOCATED	Routable	
198.24/13		ALLOCATED	Routable	
198.32/12		ALLOCATED	Routable	
198.48/15		ALLOCATED	Routable	
198.50/16		ALLOCATED	Routable	
198.51.0/18		ALLOCATED	Routable	
198.51.64/19		ALLOCATED	Routable	
198.51.96/22		ALLOCATED	Routable	
198.51.100.0/24		RESERVED	Not Routable	[ref]

Useful?

- Operators could parse the registry programmatically, allowing filter generation to be automated
- The registry could get quite long

Taking part in the discussion

- Get the drafts

<http://tools.ietf.org/html>

- IETF GROW WG

<http://tools.ietf.org/wg/grow>

- IETF SIDR WG

<http://tools.ietf.org/wg/sidr>



Thank you

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Questions