

IANA Update

RIPE 58 - Amsterdam

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Internet Corporation for
Assigned Names & Numbers

Global Policy

- ▶ “Global Policy for the Allocation of the Remaining IPv4 Address Space” ratified by the ICANN board on 6 March 2009
 - ▶ <http://www.icann.org/en/general/allocation-remaining-ipv4-space.htm>
- ▶ 5 /8s have been selected and set aside
- ▶ Prepared for the final IPv4 allocation

IETF work

- ▶ draft-iana-rfc3330bis
 - ▶ Last Called. Will be Last Called again as a BCP
- ▶ draft-iana-special-ipv4-registry
 - ▶ Creates a registry for IETF protocol assignments from 192.0.0.0/24
- ▶ draft-ietf-mboned-rfc3171bis
 - ▶ WG Last Called. Issues raised will be addressed.

New Views of Registry Data

- ▶ There are several registries for different parts of the IPv6 address space.
- ▶ We are developing a single, unified view of these registries
- ▶ It will allow branches to be collapsed/expanded
- ▶ It will show/hide unallocated space

Now you see it... now you don't

2880::/9	Unallocated	
2900::/8	Unallocated	
2A00:0000::/12	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2A10::/12	Unallocated	
2A20::/11	Unallocated	
2A40::/10	Unallocated	
2A80::/9	Unallocated	
2B00::/8	Unallocated	
2C00:0000::/12	AfriNIC	[IANA registry ipv6-unicast-address-assignments]
2C10::/12	Unallocated	
2C20::/11	Unallocated	
2C40::/10	Unallocated	
2C80::/9	Unallocated	
2D00::/8	Unallocated	
2E00::/7	Unallocated	
3000::/4	Unallocated	
4000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
6000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
8000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
A000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
C000::/3	Reserved by IETF	[IANA registry ipv6-address-space]
E000::/4	Reserved by IETF	[IANA registry ipv6-address-space]
F000::/5	Reserved by IETF	[IANA registry ipv6-address-space]
F800::/6	Reserved by IETF	[IANA registry ipv6-address-space]
FC00::/7	Unique Local Unicast	[IANA registry ipv6-address-space]
FE00::/9	Reserved by IETF	[IANA registry ipv6-address-space]
FE80::/10	Link Local Unicast	[IANA registry ipv6-address-space]
FEC0::/10	Reserved by IETF	[IANA registry ipv6-address-space]
FF00::/8	Multicast	[IANA registry ipv6-address-space]
<input checked="" type="checkbox"/> Show unallocated space		

2001:4A00::/23	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2001:4C00::/23	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2001:5000::/20	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2001:8000::/19	APNIC	[IANA registry ipv6-unicast-address-assignments]
2001:A000::/20	APNIC	[IANA registry ipv6-unicast-address-assignments]
2001:B000::/20	APNIC	[IANA registry ipv6-unicast-address-assignments]
2002:0000::/16	6to4	[IANA registry ipv6-unicast-address-assignments]
2003:0000::/18	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2400:0000::/12	APNIC	[IANA registry ipv6-unicast-address-assignments]
2600:0000::/12	ARIN	[IANA registry ipv6-unicast-address-assignments]
2610:0000::/23	ARIN	[IANA registry ipv6-unicast-address-assignments]
2620:0000::/23	ARIN	[IANA registry ipv6-unicast-address-assignments]
2800:0000::/12	LACNIC	[IANA registry ipv6-unicast-address-assignments]
2A00:0000::/12	RIPE NCC	[IANA registry ipv6-unicast-address-assignments]
2C00:0000::/12	AfriNIC	[IANA registry ipv6-unicast-address-assignments]
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Automating & Securing Reverse DNS Management

- ▶ Systems for securely accepting DNSSEC delegation material from RIRs signing reverse domains passed alpha testing
- ▶ Beta testing targeted (and on target) for last week of July
- ▶ Thanks to RIR technical staff for their cooperation

Thank You

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