

Link Scoped IPv6 Multicast Addresses

draft-ietf-ipv6-link-scoped-mcast-01.txt

Jung-Soo Park, Myung-Ki Shin
ETRI

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History

- IETF52, December 2001
 - Individual draft was presented
 - <draft-park-host-based-mcast-00.txt>
- IETF53, March 2002
 - Accepted as a working group document
 - covers link-local scope
 - Title was changed according to Bob's comment
 - <draft-ietf-ipv6-link-scoped-mcast-00.txt>
- IETF54, July 2002
 - Revised version(01) was published (editorial changes)
 - <draft-ietf-ipv6-link-scoped-mcast-01.txt>

Link Scoped Multicast Addresses

8-bit	4-bit	4-bit	16-bit	64-bit	32-bit
11111111	flgs	scop	reserved	Interface ID	group ID

- flgs field should use the same flags defined in unicast prefix-based method
- $scop \leq 2$
- interface ID field is derived from unicast addresses

Multicast Scope

- Our draft scope
 - Covers link-local scope
 - $\text{scope} \leq 2$

cf) Unicast prefix-based multicast

- `<draft-ietf-ipngwg-uni-based-mcast-03.txt>`
- Does not cover link-local scope
 - $\text{scope} > 2$

Next Steps

- Ready for wg last call
 - Proposed standard
 - Cf., “Unicast prefix based multicast addresses” has been already approved by IESG (now, RFC editor queue)
- Implementations
 - We’ re implementing in Linux 2.4.18
 - First code will be available on October or so

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