

RADIUS Extensions for IPv4- Embedded IPv6 Prefixes

draft-hu-softwire-multicast-radius-ext

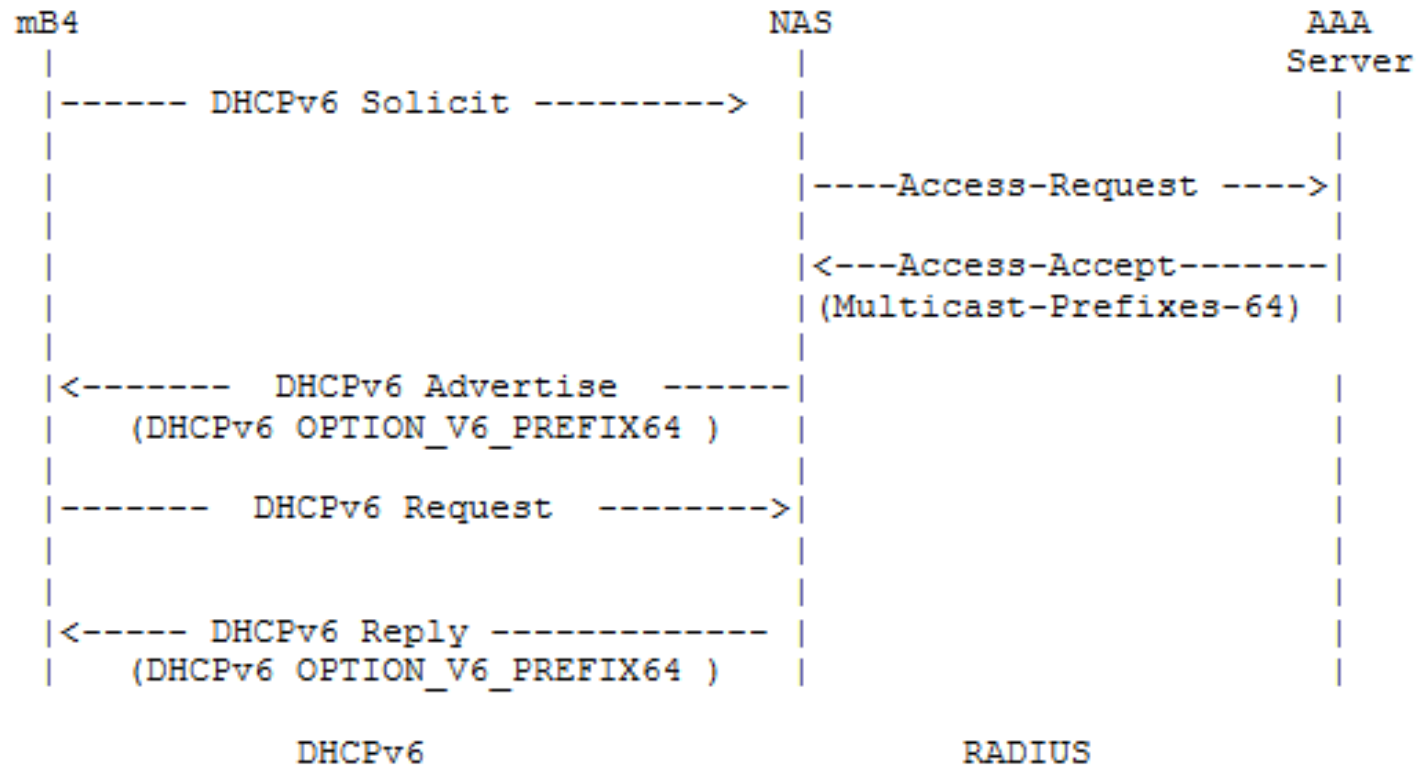
IETF 93-Prague, July 2015

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Scope & Context

- Came from multicast transition requirements, but not limited to multicast IP address format.
- Multicast counterpart of DS-Lite unicast RADIUS extension defined in [[RFC6519](#)] .
- Adopts the same encoding as I-D.ietf-softwire-multicast-prefix-option
- This attribute can be used in various contexts
 - multicast DS-Lite
 - multicast Lightweight 4over6 / MAP-E / MAP-T.....
 - Other IPv4-IPv6 interconnection/interworking techniques

Scenario



Deployment

- Software multicast transition already tested and deployed in Orange
- Real requirements from China Telecom

Update -08

- A few updates base on [draft-ietf-softwire-multicast-prefix-option-08](#)
- Thanks review and comments :
Chongfeng Xie, Hao Wang, Linhui Sun, Qi Sun, Ian Farrer, Tom Taylor, Christian Jacquenet

Next Step

primary documents	DHCP Option	RADIUS Option
RFC 6333 (draft-ietf-softwire -dual-stack-lite)	RFC 6334 (draft-ietf-softwire- ds-lite-tunnel-option)	RFC 6519 (draft-ietf-softwire- dslite-radius-ext)
draft-ietf-softwire -map	draft-ietf-softwire- map-dhcp	draft-ietf-softwire -map-radius
RFC 5969 (draft-ietf-softwire -ipv6-6rd)	RFC 5969 section 7.1.1	RFC 6930 (draft-ietf-softwire- 6rd-radius-attrib)
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draft-ietf-softwire -dslite-multicast & draft-ietf-softwire -mesh-multicast	draft-ietf-softwire- multicast-prefix-option	draft-hu-softwire- multicast-radius-ext

- Next: Adopt the document as a WG item?