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# Radius Attribute for MAP

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draft-jiang-softwire-map-radius-03

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# Background 1/2

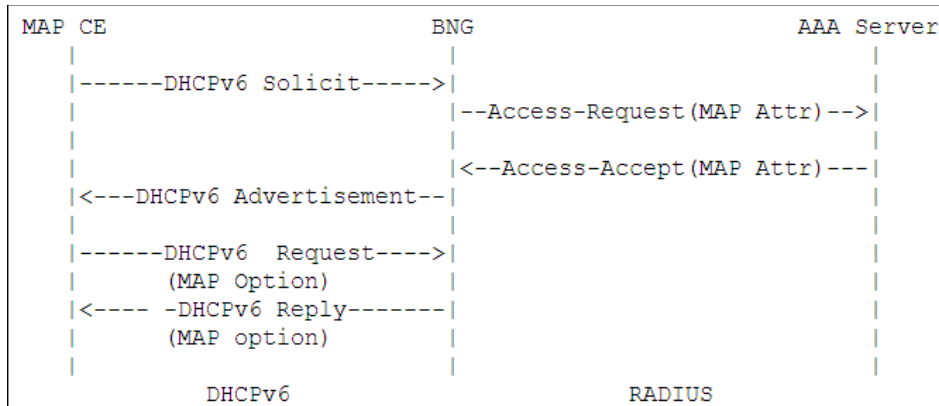
- \* In real networks, user configuration information are usually be managed by AAA. MAP might probably follow the same way.
- \* So, the AAA servers need to provide the user configuration information to the access gateways(e.g. BNGs, Broadband Network Gateways) through RADIUS.
- \* Then the access gateways could form correspondent DHCPv6 MAP options [I-D.mdt-softwire-map-dhcp-option] and deliver them to MAP endpoints.
- \* This draft defines New RADIUS attributes to propagate the information from AAA servers to access gateways.

## Background 2/2

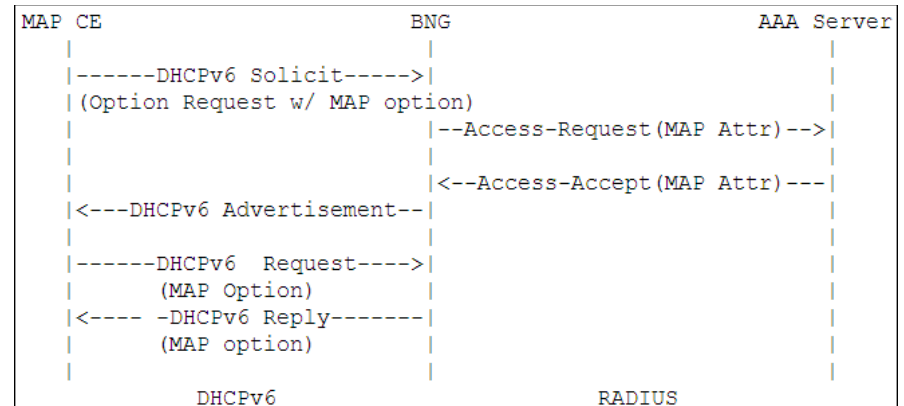
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- \* 02 version was presented in Atlanta last IETF, mainly focusing on introducing the Radius attribute definitions, and no technical problems were commented.
- \* This 03 version mainly revised the behavior of DHCPv6 interacting with RADIUS for delivering MAP options.

# DHCPv6/Radius cooperation combing with Radius authentication



draft-02

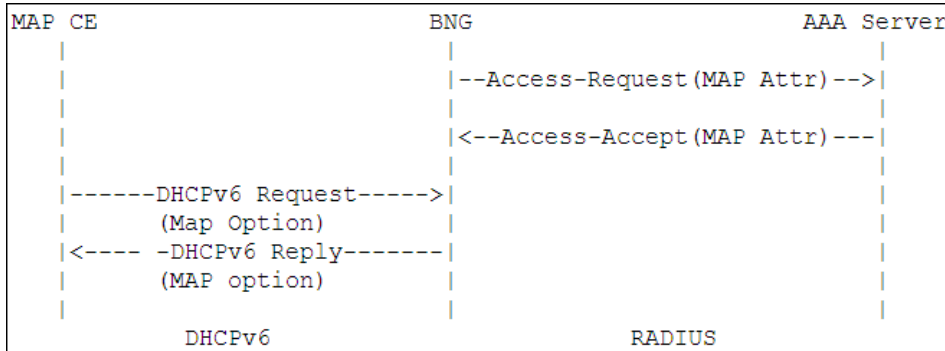


draft-03

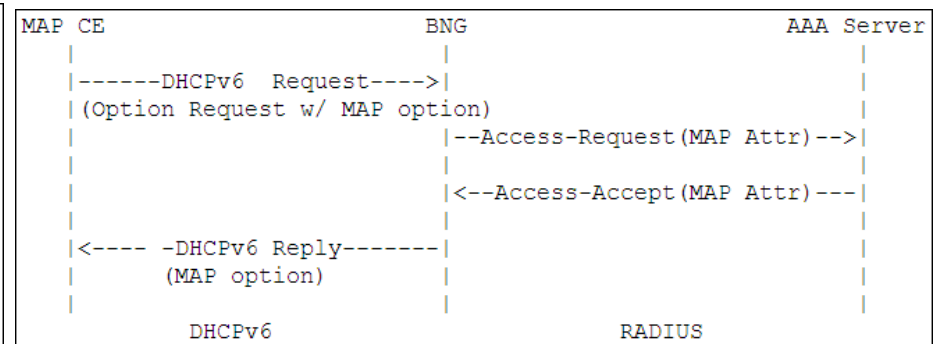
## Revisions:

- \* The initiate DHCPv6 Solicit includes ORO with MAP option
- \* In radius Access-Request message, User-Name attribute (1) SHOULD be filled by the MAP CE MAC address
- \* User-password attribute (2) SHOULD be filled by the shared MAP password that has been preconfigured on the DHCPv6 server
- \* Message-authenticator (type 80) [[RFC2865](#)] SHOULD be used to protect both Access-Request and Access- Accept messages.

# DHCPv6/Radius cooperation decoupled with Radius authentication



draft-02



draft-03

## Revisions:

- \* Radius Access-Request should be initiated by DHCPv6 Request
- \* Access-Request packet SHOULD contain a Service-Type attribute (6) with the value Authorize Only (17)
- \* Message-authenticator (type 80) [[RFC2865](#)] SHOULD be used to protect both Access-Request and Access- Accept messages.

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Comments and suggestions are welcomed!

Adopt as a WG item?

**Thank you!**

*Mar 13, 2013, @Orlando*

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