

# **RADIUS Attribute for 6rd**

draft-ietf-softwire-6rd-radius-attrib-01

IETF 80 RADEXT WG

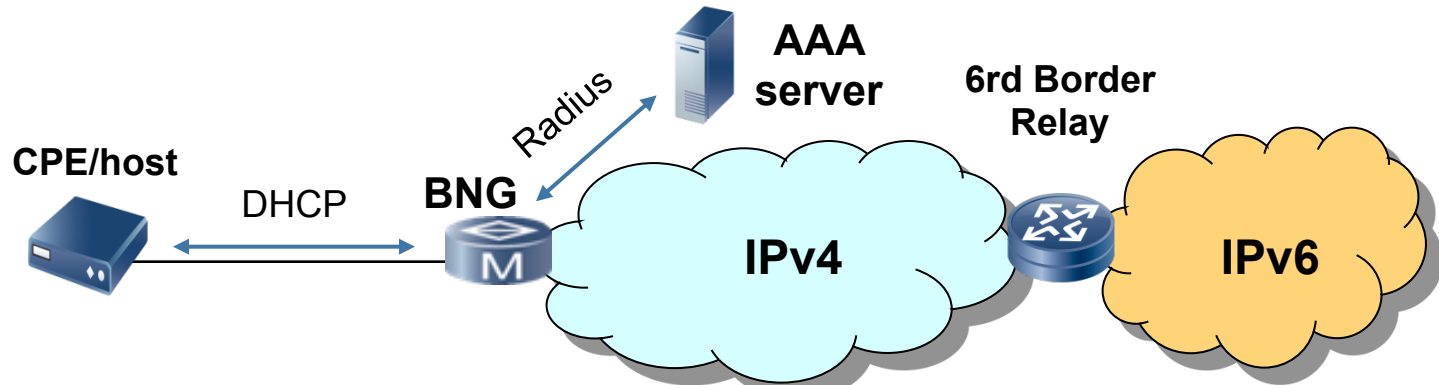
March 30, 2011

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*Sheng JIANG (Speaker)*

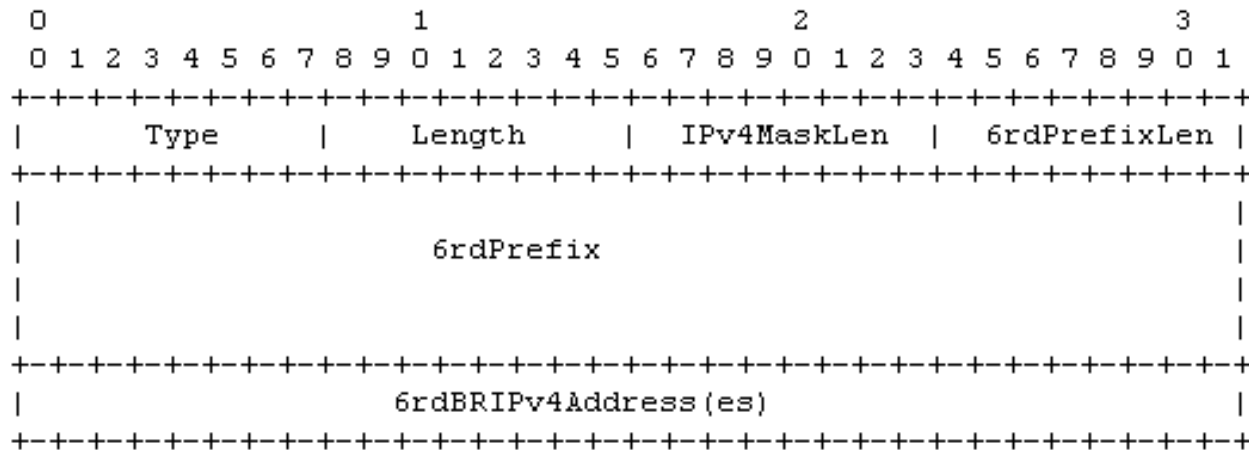
*Remi Despres*

# 6rd scenarios with AAA servers



- 6rd is used to provide IPv6 connectivity services through IPv4-only infrastructure (6 over 4 tunnel)
- The 6rd CPE uses extended 6rd DHCP option to discover 6rd border relay and to configure IPv6 prefix and address
- In some fixed line broadband network scenarios, the Broadband Network Gateways (BNGs) act as the access gateway of users (hosts or CPEs). The BNGs also embed a DHCP server function to propagate the user configuration information.
- User configuration information may be managed by AAA servers. Between AAA servers and BNG, radius protocol is used to carry information.
- In 6rd deployment, the 6rd user configuration information is also stored in AAA servers. A new RADIUS attribute is needed to propagate these information from AAA servers to BNGs.

# IPv6-6rd-Configuration Attribute



- **IPv6-6rd-Configuration Attribute in Radius imitates from the 6rd DHCP option, sub-options are all the same.**
- **Adopted as Softwire WG document 2010/10**
- **Review comments from RADEXT WG maillist 2010/11**
  - **Change RADIUS attribute name to be IPv6-6rd-Configuration**
  - **Fix the error on how to count the length**
  - **Acknowledgement to Alan DeKok (RADEXT WG)**
- **Softwire WG is ready for WGLC after IETF 80**