

Summary of IETF draft on 802 attributes

<http://www.ietf.org/internet-drafts/draft-aboba-radext-wlan-08.txt>

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Summary of Attributes

Allowed-Called-Station-Id

EAP-Key-Name

EAP Peer-Id

EAP-Server-Id

Mobility-Domain-Id

Mesh-Key-Distributor-Domain-Id

Preauth-Timeout

EAP-Lower-Layer

Network-Id-Name

Description of Attributes

- Allowed-Called-Station-Id
 - Provides a list of allowable NAS and NID combinations that the user may have access to.
 - Useful for the case where the NAS doesn't initiate an Access-Request
 - The Called-Station-ID is the MAC address of the NAS with the NID appended.

Description of Attributes

- EAP-Key-Name
 - A general way to deliver Key-Names to the NAS. Link layer dependent.
- EAP Peer-Id
 - contains a Peer-Id generated by the EAP method. Link layer dependent.
- EAP-Server-Id
 - contains a Server-Id generated by the EAP method. Link layer dependent.

Description of Attributes

- Mobility-Domain-Id
 - Allows NAS to inform RADIUS server the MDID defined in IEEE 802.11r
- Mesh-Key-Distributor-Domain-Id
 - Allows NAS to inform RADIUS server the MKDD-ID defined in IEEE 802.11s
- Preauth-Timeout
 - Allows RADIUS server to configure NAS wait time for association after successful preauth.

Description of Attributes

- EAP-Lower-Layer
 - Provides a name space to identify the lower layer of EAP
 - Current enumeration includes:
 - 1 - Wired IEEE 802.1X Version 1 (2001)
 - 2 - Wired IEEE 802.1X Version 2 (2004) [IEEE-802.1X]
 - 3 - Wired IEEE 802.1X Version 3 [IEEE-802.1X-REV]
 - 4 - WPA
 - 5 - WPA2 (no pre-authentication)
 - 6 - WPA2, IEEE 802.1X pre-authentication
 - 7 - IEEE 802.11r
 - 8 - IEEE 802.11s
 - 9 - IEEE 802.16e
 - 10 - IKEv2
 - 11 - PPP
 - 12 - PANA (no pre-authentication)

Description of Attributes

- Network-Id-Name
 - Contains the NID-name the supplicant would like to select as determined by the authenticator
 - Sent along with called-station-ID and not appended because of length issues. Not consistent with Allowed-called-station-ID attribute
 - Used for accounting as well as authorization.

Discussion on draft

- We need to add another attribute for Access-Level
- Is EAP-Peer-ID the same as User-Name?
How is it used
- Allowed-Called-Station-ID is awkward. Do we really need to add the station-ID or just send down a list of Allowed NIDs?