

draft-ietf-radext-ieee802-00-txt

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Updates since last time

- Title changed
 - Previously ‘RADIUS Extensions for IEEE 802’ now ‘VLAN, Priority, and Filtering Attributes’
- Removed all usage of extended attributes/types
 - Removed non-RFC2865 data types
 - Dropped usage of ‘M’ bit
- Removed remaining wireless (802.11) specific attributes
 - Redirect-host
 - Origin-realm
- Extended and refined NAS-Filter-Rule attribute
 - Extended to include ‘based encapsulation’ rules (i.e. L2 Ethernet)
 - Added HTTP ‘redirect n’ capability to solve GSMA network branding usage scenario
 - Added optional rule match counter to rule syntax for logging purposes
 - Added new ‘tunnel’ rule action to verb list (flush, permit, deny, redirect)
 - Removed IP redirection rule type in favor of tunneling
- Added new accounting attribute for NAS-Filter-Rule
 - Acct-NAS-Filter-Rule attribute
 - Allows accounting for rule match counters
- All outstanding issues closed

Current Attribute Summary

VLAN attributes

Egress-VLAN-ID
Ingress-Filter
VLAN-Name

Quality of Service Attributes

User-Priority-Table
QoS-Filter-Rule

Access Control Attributes

NAS-Filter-Rule

~~Key Management~~

~~Redirect-Host~~
~~Origin-Realm~~

Accounting

Acct-EAP-Auth-Method
Acct-NAS-Filter-Rule

Interested Parties in Draft

- Trusted Network Connect (TNC) of the TCG (Mauricio S.)
 - RADIUS Attribute documents have been referenced in proposal of standardization of interface (IF-PEP) between NAS and Authentication Service
 - https://www.trustedcomputinggroup.org/downloads/background_docs/TNC_FAQ_revised_020305.pdf
 - Interface PEP (Policy Enforce Point) of the TNC reference model relies on Radius attributes to configure isolation behavior on NAS
 - The following IETF documents are currently of interest:
 - RFC 3580
 - RFC 3576
 - draft-ietf-radext-ieee802-00.txt
 - draft-adrangi-radius-bandwidth-capability-01.txt
- 3GPP / GSMA IR61 WLAN Roaming (Farid A., Heinrich B.)
 - 3GPP / GSMA IR61 has dependency on the following
 - draft-ietf-radext-ieee802-00.txt (GSMA IR61)
 - draft-ietf-geopriv-radius-lo-02.txt (GSMA IR61, 3GPP Release 6)
 - draft-ietf-radext-chargeable-user-id-03.txt (GSMA IR61, 3GPP Release 6)
 - The following IETF documents are currently of interest
 - draft-lior-radius-bandwidth-capability-00.txt (GSMA IR61)
 - draft-lior-radius-prepaid-extensions-07.txt (GSMA IR61)
 - draft-lior-radext-end-to-end-caps-00.txt (GSMA IR61)
- WiMAX / NWG Working Group (Avi L.)
 - Hotlining support will reference this draft

Issues and Work Items

- Draft has gone to last call
 - Expect (substantial) discussion on RADEXT mailing list
- Expect completion by end of year