

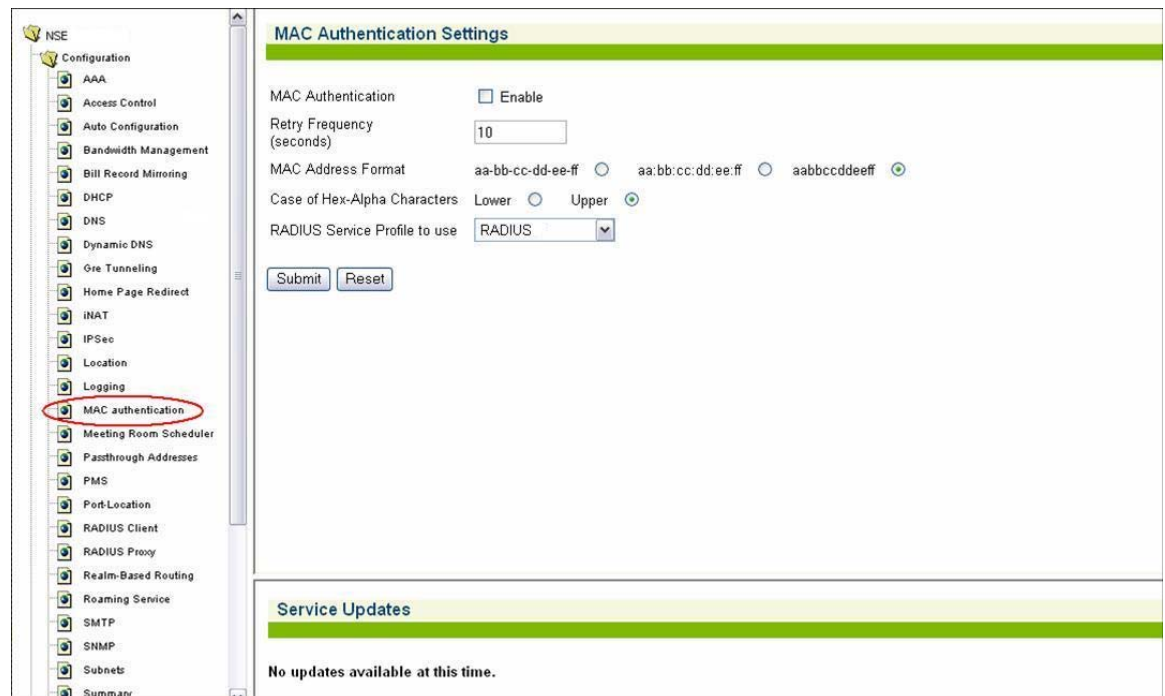
Purpose: How to configure the Mac Authentication feature.

With the release of x.4.2, the Nomadix Service Engine allows authentication with a Radius server using the MAC address as the username and password. The Radius server must have a User Profile matching the MAC address format specified in the settings below.

MAC Authentication should be used for those devices requiring authentication without a username and password, such as VoIP phones.

These settings can be accessed under the following menus:

- **WMI Configuration**
 - Go to Configuration->MAC authentication
- **CLI Configuration**
 - Go to configuration->macauth
- **SNMP Configuration**
 - Go to nse->aaa.aaaMacAuth (enterprises.3309.1.x.2.28) for MAC-based Authentication configuration branch





MAC Authentication Checkbox

This checkbox enables/disables the MAC-based Authentication functionality. It is disabled by default.

Retry Frequency in seconds

This is the time in seconds to wait after an unsuccessful MAC authentication attempt to initiate another request. The minimum and default value is 10 seconds.

MAC Address Format

Specifies the format in which the subscriber's MAC address will be expressed in the RADIUS username and password attributes. The RADIUS server must use the same format. Default setting is aa-bb-cc-dd-ee-ff.

MAC Address Hex-Alpha Case

Specifies, in the MAC addresses in RADIUS username and password attributes, whether the hex-alpha characters A-F will be uppercase or lower case. The default setting is lowercase.

RADIUS Service Profile to use

Specifies the RADIUS Service Profile (and therefore which RADIUS servers) to use for MAC-based Authentication purposes.

NOTE: Enabling MAC Authentication will cause each MAC address to send an authentication request. Unless "Later login supersedes previous" is checked under the Configuration -> Radius Client settings, the first access-accept from the Radius server will be the authentication method used.