



## Purpose: To enable authentication using a Radius Server

### Step 1: Enable AAA, Internal Web Server and Usernames

#### Internal Web Server

SSL Support	<input type="checkbox"/> Enable
Encrypt only Sensitive Data	<input checked="" type="checkbox"/> Enable
<b>Note: To enable, make sure your license includes SSL support and you have all the certificate files on the flash.</b>	
Certificate DNS Name	<input type="text" value="ssl.certificate.com"/>
Portal Page	<input type="checkbox"/> Enable
Portal Page URL	<input type="text"/>
Parameter Passing	<input type="checkbox"/> Enable
Manual Passthrough Address	<input type="checkbox"/> Enable
Portal XML POST URL	<input type="text"/>
Portal XML Post Port	<input type="text" value="80"/>
Supports GIS Clients	<input type="checkbox"/> Yes
Block IWS Login Page	<input type="checkbox"/> Yes
Ussername	<input checked="" type="checkbox"/> Enable
New Subscribers	<input type="checkbox"/> Enable
Relogin After Timeout	<input type="checkbox"/> Enable
Credit Card Service	<input type="checkbox"/> Enable
Credit Card Server	<input type="text" value="Authorize.net"/>
Credit Card Server URL	<input type="text" value="https://secure.authorize.net/gateway/transac"/>
Credit Card Server IP	<input type="text" value="64.94.118.66"/>
Merchant ID	<input type="text"/>
Use NSE's hostname and DNS domain name	<input type="checkbox"/> Enable
Authorize.net:	
SIM Compliant	<input checked="" type="checkbox"/> Enable
Change Transaction Key	<input type="text"/>
Verify Transaction Key	<input type="text"/>
Chainfusion:	
Credit Card Transaction Time	<input type="text" value="3"/> minutes
Smart Client Support	<input type="checkbox"/> Enable
<b>Note: To enable, make sure your license includes Smart Client support.</b>	



## Step 2: Create Radius settings

a) Add a Radius Service profile

### Add RADIUS Service Profile

Unique Name:

#### Authentication

Enable RADIUS Authentication Service

Protocol:

Primary IP / DNS:  Port:  Secret Key:   
Secondary IP / DNS:  Port:  Secret Key:

#### Accounting

Enable RADIUS Accounting Service

Primary IP / DNS:  Port:  Secret Key:   
Secondary IP / DNS:  Port:  Secret Key:

#### Retransmission Options

Retransmission Method:  Failover  Round-Robin

Retransmission Frequency:  (seconds)

Retransmission Attempts:  (per server)



## b) Set Radius Client Settings

For the Routing Mode select Fixed.

For the Default RADIUS Service Profile, select the one you just created from the drop down list.

### RADIUS Client Settings

#### Server Selection and Communication

Default RADIUS Mode: Disabled  Realm-Based  Fixed

Default RADIUS Service Profile:

Reboot required to put changes of the following two parameters into effect.

Local Authentication Port:  (0 means port number will be selected dynamically)

Local Accounting Port:  (0 means port number will be selected dynamically)

Later login supersedes previous

#### Miscellaneous Options

Default User Idle Timeout:  (seconds)

User Login Retry Timeout:  (seconds)

Enable Automatic Subscriber Reauthentication

Enable URL Redirection

Send NAS identifier

NAS identifier:

Send NAS IP

Send NAS Port type

NAS Port Type:

Send Framed IP

Enable Termination-Action Radius Attribute

Enable Session-Terminate-End-Of-Day When Authorized

Enable Byte Count Reset On Account Start

Enable Radius Subnet Attribute

Enable Goodbye URL

Enable Forgot your Password

Forgot your Password URL:

(Note: This URL will be added to the passthrough address list)

Enable RADIUS Based WAN VLAN **Note: WAN 802.1Q headers for subscribers must be enabled in the Location page for this setting to be effective**

Enable user session time adjustment for NSE down time

Enable charging for idle time

Enable RADIUS QoS Policies



## The User Experience

When the user launches their browser they will be redirected to the Login screen where they will be prompted to enter in their User name and Password.

The login form is a rectangular box with a light green background and a thin border. At the top center, it features the NOMADIX logo (a green circular icon above the text "NOMADIX™"). Below the logo, the text "Are you an existing user?" is followed by "Please enter your user ID and password:". There are two input fields: "Username:" followed by a white text box, and "Password:" followed by a white text box. Below these fields is a checkbox with the label "Remember my username and password.". To the right of the checkbox is a "Login" button with a grey background and white text. At the bottom of the form, there is a line of text: "Please contact your Network Administrator in case of problems."/>

**Are you an existing user?**  
**Please enter your user ID and password:**

Username:

Password:

Remember my username and password.

Login

Please contact your Network Administrator in case of problems.

The NSE will send the user name and password to the Radius server and grant access to user based on the information received from the Radius server.