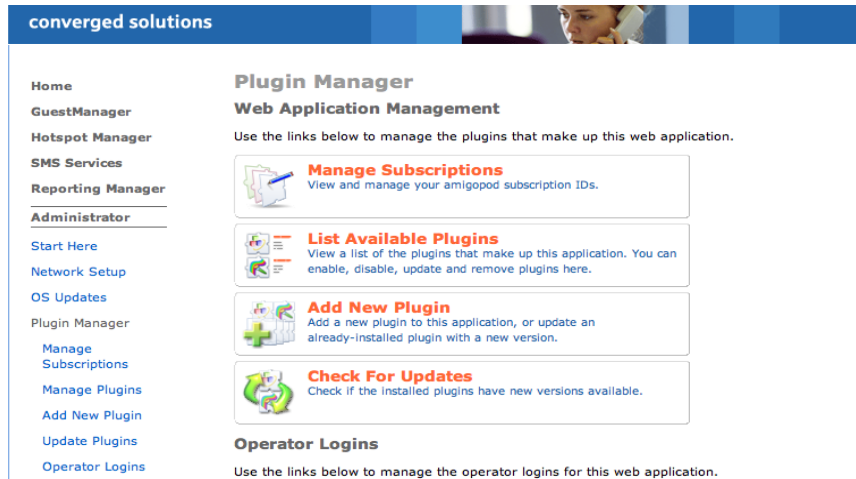


amigopod and colubris integration

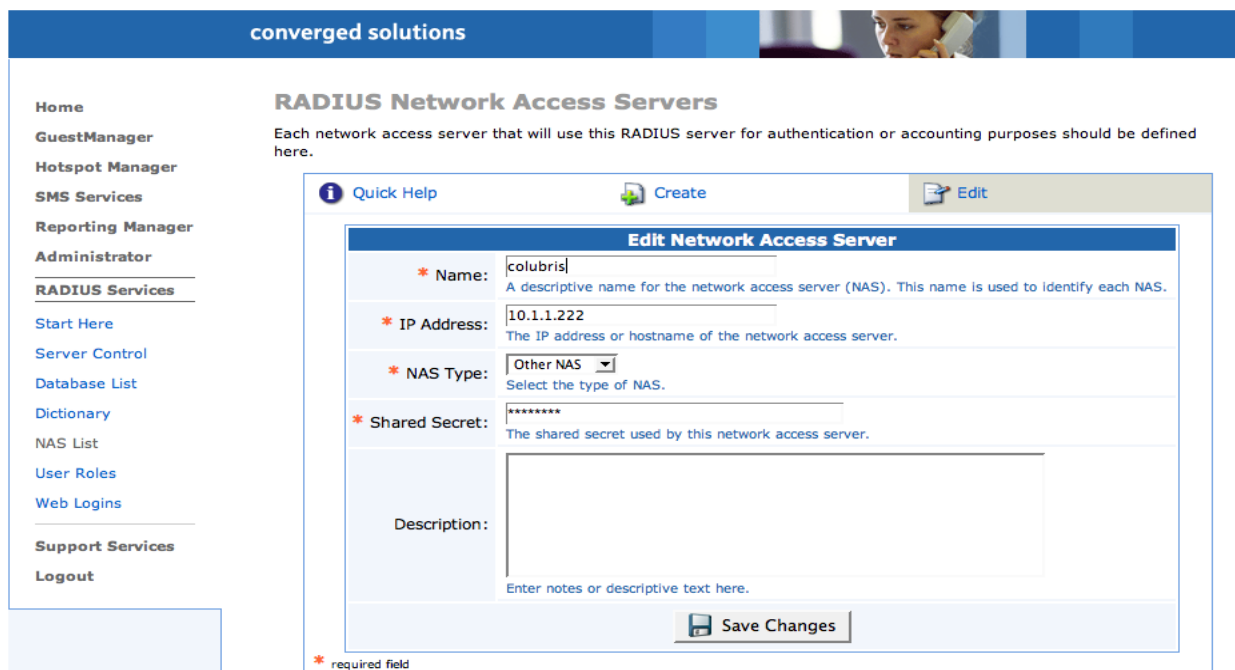
amigopod

1. Ensure that you have the latest version of amigopod software by navigating to the plugin manager from the administrator menu. Click on check for updates and install any new updates



The screenshot shows the 'Plugin Manager' page in the 'converged solutions' web application. The left sidebar contains a navigation menu with 'Administrator' selected. The main content area is titled 'Plugin Manager' and 'Web Application Management'. It includes a description: 'Use the links below to manage the plugins that make up this web application.' Below this are four action boxes: 'Manage Subscriptions' (View and manage your amigopod subscription IDs), 'List Available Plugins' (View a list of the plugins that make up this application. You can enable, disable, update and remove plugins here), 'Add New Plugin' (Add a new plugin to this application, or update an already-installed plugin with a new version), and 'Check For Updates' (Check if the installed plugins have new versions available). At the bottom, there is a section for 'Operator Logins' with the instruction: 'Use the links below to manage the operator logins for this web application.'

2. Navigate to Radius services, NAS devices and add the IP address of your colubris gateway and enter a shared secret. Make sure after you save that you click to restart the radius server



The screenshot shows the 'RADIUS Network Access Servers' configuration page. The left sidebar has 'RADIUS Services' selected. The main content area is titled 'RADIUS Network Access Servers' and includes the instruction: 'Each network access server that will use this RADIUS server for authentication or accounting purposes should be defined here.' Below this is a form titled 'Edit Network Access Server' with the following fields: 'Name' (required, value: colubris), 'IP Address' (required, value: 10.1.1.222), 'NAS Type' (dropdown menu, value: Other NAS), and 'Shared Secret' (required, value: *****). There is also a 'Description' text area. At the bottom right of the form is a 'Save Changes' button. A legend at the bottom left indicates that an asterisk (*) denotes a required field.

In this example we will use the following Ip addresses

amigopod: 10.1.1.204

colubris: 10.1.1.222

3. Click on user roles and delete all of the existing roles (guest, contractor, employee)

- Now click on Create Role, and fill in the following parameters which will define the generic user access policies. In this example we will create a single guest policy which allows http and SSL traffic

Note that you will have to add the attribute values one by one from the following dictionaries

Standard Radius Dictionary:

Attribute Name	Value
Service-Type	Administrative-user

Colubris dictionary:

Attribute Name	Value
Colubris-AVPair	default-user-acct-interim-update=600
Colubris-AVPair	default-user-idle-timeout=3600
Colubris-AVPair	access-list=guest,ACCEPT,tcp,all,80
Colubris-AVPair	access-list=guest,ACCEPT,tcp,all,443

This defines a policy called 'guest' which allows TCP port 443 and 80 traffic to all destinations. If you want to restrict or add any more firewall policies, simply edit using the following syntax

access-list=guest,action,protocol,address,port

For example, to add a new firewall rule in the guest role to allow telnet access to the server 10.3.2.1

access-list=guest,ACCEPT,tcp,10.3.2.1,23

If you want to have different types of roles eg. contractor, simply follow the syntax but use the name eg. 'contractor' instead of guest and add the required firewall rules

- Now you need to create the role for 'guest' (and any other roles you have defined in step 4. Simply create a new role, give it a name eg. guest and define the attribute as per the screenshot below.

Colubris dictionary:

Attribute Name	Value
Colubris-AVPair	use-access-list=guest

converged solutions

RADIUS User Role Definition

Use this form to make changes to the RADIUS User Role **Guest**.

RADIUS Role Editor

* Role Name: Enter a name for this role.

Description: Enter comments or descriptive text about the role.

Attributes:

Attribute	Value	Condition
Colubris-AVPair	use-access-list=guest	Always

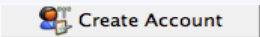
Modify the list of RADIUS attributes that are attached to this role.

* required field

RADIUS User Roles

RADIUS Services

6. Now we need to create a colubris administrative user in amigopod with the role ColubrisService that was created earlier

New Visitor Account	
* Sponsor's Name:	admin Name of the person sponsoring this guest account.
* Visitor's Name:	colubris Name of the visitor.
* Company Name:	colubris Company name of the visitor.
* Email Address:	colubris@amigopod.com The visitor's email address. This will become their username to log into the network.
* Account Expiry:	Choose expiration time... Amount of time before this visitor account will expire.
Expiration Time:	2010-12-31 00:00 Optional date and time at which this account will expire. If blank, the expiration time will not be set.
* Account Role:	ColubrisService Role to assign to this visitor account.
Visitor Password:	08894160
* Terms of Use:	<input checked="" type="checkbox"/> I am the sponsor of this guest account and accept the terms of use
	

Note that you should change the password and set the expiration time to 'Never' by editing the account once you have created it. This can be done by clicking on 'List Accounts' from guest manager and editing the colubris@amigopod.com account.

Colubris Configuration:

1. You need to create a radius profile. Under Security-RADIUS, create a new Radius profile. Put in the IP address of the amigopod and the same shared secret that you used when defining the NAS earlier. Set the authentication method to 'CHAP' and leave all other settings as default

The screenshot shows the 'Add/Edit RADIUS profile' configuration page. The page is divided into several sections:

- Profile name:** A text input field containing 'amigopod radius'.
- Settings:** A section containing:
 - Authentication port: 1812
 - Accounting port: 1813
 - Retry interval: 10 seconds
 - Retry timeout: 60 seconds (unchecked)
 - Authentication method: CHAP (dropdown menu)
 - NAS ID: colubris
 - Always try primary server first (unchecked)
 - Use message authenticator (checked)
 - Force NAS-Port to Ingress VLAN ID (unchecked)
- Primary RADIUS server:** A section containing:
 - Server address: 10.1.1.204
 - Alias address: (empty)
 - Secret: *****
 - Confirm secret: *****
- Secondary RADIUS server (optional):** A section containing:
 - Server address: (empty)
 - Alias address: (empty)
 - Secret: (empty)
 - Confirm secret: (empty)
- Authentication realms:** A section with a question mark icon.

2. Under 'Public Access->Attributes' select the amigopod radius profile you created, and put in the username and password for the colubris@amigopod.com account you created in amigopod. Make sure you tick the 'Accounting' checkbox

3.

The screenshot shows the 'RADIUS Attributes' configuration page. The page is divided into several sections:

- Retrieve attributes using RADIUS:** A section with a checked checkbox and a question mark icon.
 - RADIUS profile: amigopod radius (dropdown menu)
 - RADIUS username: colubris@amigopod.c
 - RADIUS password: *****
 - Confirm RADIUS password: *****
 - Accounting (checked)
 - Retrieved attributes override configured attributes (checked)
 - Retrieval Interval: 720 minutes
 - Last retrieved: 6:12:36 ago
 - Retrieve Now (button)
- Save:** A button at the bottom right of the page.

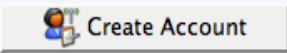
3. We now need to enable captive portal authentication under the VSC configuration from the left hand menu. Click on the VSC group (in this example the default Colubris Network). Scroll down to the HTML based user logins and check Radius Authentication (and select amigopod radius) and select Radius Accounting (and select amigopod radius)

Testing:

You are now complete with the setup and are ready to create visitor accounts on amigopod

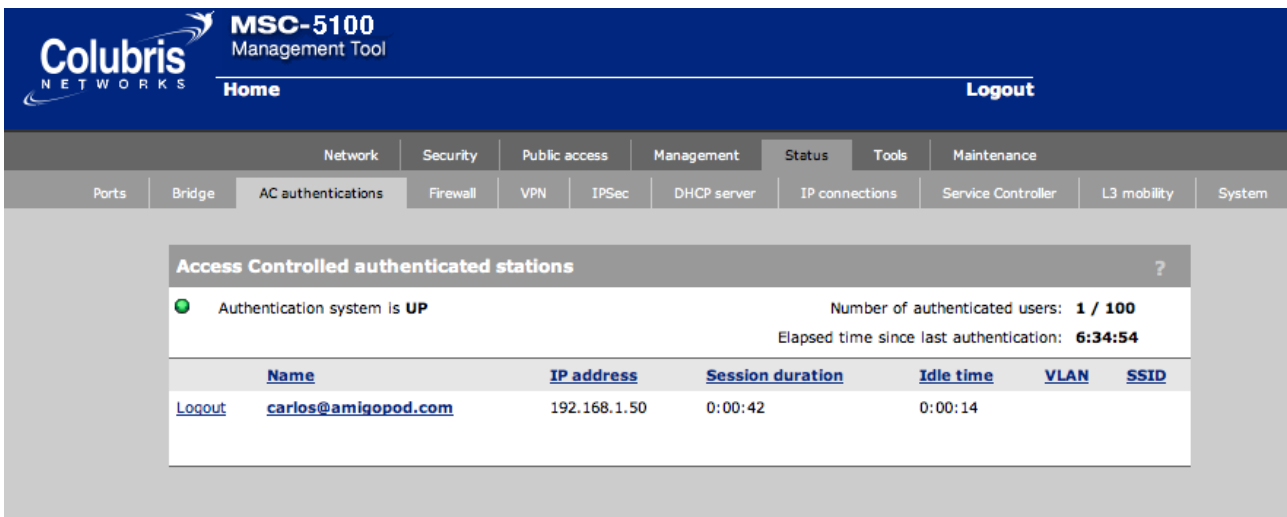
Create Guest Account

New guest account being created by **admin**.

New Visitor Account	
* Sponsor's Name:	reception <small>Name of the person sponsoring this guest account.</small>
* Visitor's Name:	carlos <small>Name of the visitor.</small>
* Company Name:	amigopod <small>Company name of the visitor.</small>
* Email Address:	carlos@amigopod.com <small>The visitor's email address. This will become their username to log into the network.</small>
* Account Expiry:	1 hour <small>Amount of time before this visitor account will expire.</small>
* Account Role:	Guest <small>Role to assign to this visitor account.</small>
Visitor Password:	56876265
* Terms of Use:	<input checked="" type="checkbox"/> I am the sponsor of this guest account and accept the terms of use
	

You should now be able to

log in through the colubris captive portal, enter your username and password and be authenticated into a guest role that only allows HTTP and SSL traffic



Colubris NETWORKS MSC-5100 Management Tool

Home Logout

Network Security Public access Management Status Tools Maintenance

Ports Bridge AC authentications Firewall VPN IPsec DHCP server IP connections Service Controller L3 mobility System

Access Controlled authenticated stations

Authentication system is **UP** Number of authenticated users: **1 / 100**
Elapsed time since last authentication: **6:34:54**

Name	IP address	Session duration	Idle time	VLAN	SSID
Logout carlos@amigopod.com	192.168.1.50	0:00:42	0:00:14		

Captive Portal Configuration

1. amigopod can be configured to host the captive portal, providing a consistent look and feel utilising available amigopod skins. This is done very simply on colubris by configuring additional attributes

In this example, the amigopod IP address is 10.1.1.204 and the number 1 corresponds to web login page number 1 to be used on amigopod (use 1 for the default amigopod skin)

Attribute Name	Value (format = http://IP_ADDRESS/weblogin.php/#)
LOGIN-PAGE	http://10.1.1.204/weblogin.php/1
LOGIN-URL	http://10.1.1.204/weblogin.php/1

You can add additional attributes for redirecting of information and error pages

Configured attributes ?		
Attribute	Value	Action
LOGIN-PAGE	http://10.1.1.204/weblogin.php/6	
TRANSPORT-PAGE	https://192.168.1.1:8090/transport...	
SESSION-PAGE	https://192.168.1.1:8090/session.a...	
FAIL-PAGE	https://192.168.1.1:8090/fail.asp	
LOGO	https://192.168.1.1:8090/img/New_L...	
LOGIN-URL	http://10.1.1.204/weblogin.php/6	
COLUBRIS-WISPR-ACCESS-PROCEDURE	1.0	

[Add New Attribute...](#)

2. On amigopod, browse to Radius Services – Web Logins and create a new Web Login with the following details. Make sure to use the IP address of your Colubris controller

Use this form to make changes to the RADIUS Web Login **Colubris login**.

RADIUS Web Login Editor	
* Page Name:	Colubris login <small>Enter a name for this web login page.</small>
Description:	 <small>Comments or descriptive text about the web login.</small>
* Vendor Settings:	Custom Settings <input type="button" value="v"/> <small>Select a predefined group of settings suitable for standard network configurations.</small>
Login Form <small>Options for specifying the behaviour and content of the login form.</small>	
* Submit URL:	https://10.1.1.222:8090/goform/HtmlLoginRequest <small>The URL of the NAS device's login form.</small>
* Submit Method:	POST <input type="button" value="v"/> <small>Choose the method to use when submitting the login form to the NAS.</small>
* Username Field:	username <small>The name of the username field for the login form. This will be passed to the NAS device when the form is submitted.</small>
* Password Field:	password <small>The name of the password field for the login form. This will be passed to the NAS device when the form is submitted.</small>
* Password Encryption:	No encryption (plaintext password) <input type="button" value="v"/> <small>Choose the type of password encryption to use when submitting the login form.</small>
Extra Fields:	 <small>Specify any additional field names and values to send to the NAS device as name=value pairs, one per line.</small>

3. You can configure the general look and feel of the captive portal using any of the installed skins for the basic look and feel. Additionally you can configure a custom header, footer and custom visitor login messages

Login Page

Options for controlling the look and feel of the login page.

* Skin:	amigopod Skin <small>Choose the skin to use when this web login page is displayed.</small>
Title:	amigopod Login <small>The title to display on the web login page.</small>
Header HTML:	<pre data-bbox="416 533 1190 869"><p> Please login to the network using your amigopod username and password. </p></pre> <small>HTML template code displayed before the login form.</small>
Footer HTML:	<pre data-bbox="416 913 1190 1249"><p> Contact a staff member if you are experiencing difficulty logging in. </p></pre> <small>HTML template code displayed after the login form.</small>