



July 2016

SNMP Manager

Admin User Guide

Document History

Original Author: Michelle McCausland

Errigal, Inc.

Email: michelle.mccausland@errigal.com

Document Version	Date	Description of Changes	Changes Made By
1	1/20/15	Document Created	Michelle McCausland
2	5/25/15	Formatting changes and additions made	Michelle McCausland
3	09/12/15	Updating On Demand Alarm Audit	Sophie Renshaw
4	22/02/16	Updated ignore trap section	Colum Foskin
5	25/02/16	Updated Table of contents indexing.	Colum Foskin

Contents

Document History 2

Add a User 4

Edit a User..... 5

Delete a User 6

Contact..... 8

Edit a Contact 10

Deleting a Contact 11

Create Contact Responsibility 12

Edit Contact Responsibility 14

Delete Contact Responsibility 15

Company 16

Alarm audit (full) 17

On Demand Alarm Audit 18

Adding Attachments..... 20

Edit/Delete Attachments..... 21

Ignore Trap..... 21

ISPs..... 22

Modem and Router 24

Power Provider 25

Technology 26

Excel File Loader..... 26

Trap Aggregation..... 27

Trap Override 28

Modify NE from GUI..... 29

Comments or Questions..... 29

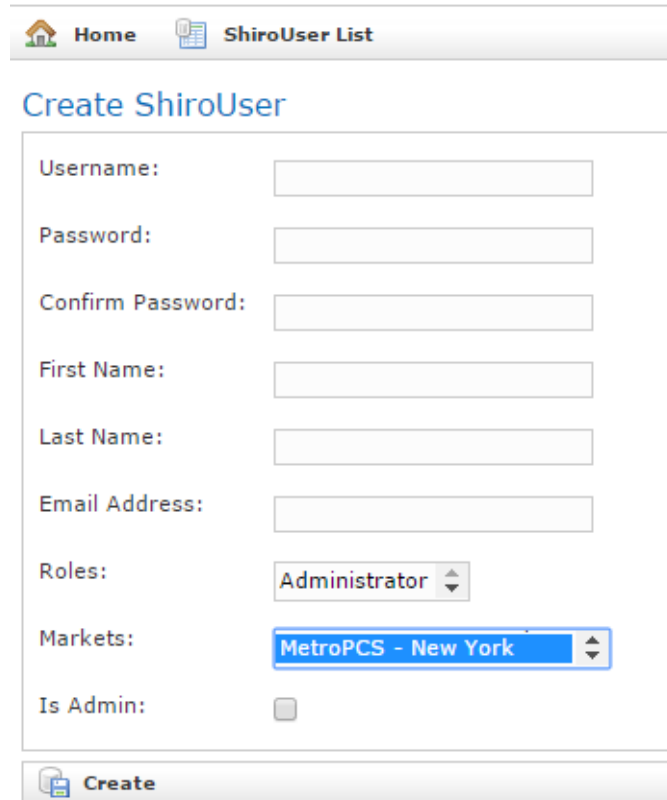
Add a User

To access the list of users in the SNMP manager system navigate to [ShiroUser](#). You will then be presented with a table containing users and their associated information. To create a new user click on the [New ShiroUser](#) button on the top left of the screen.



Figure 1

This will bring up the following form for you to fill in all associated user details:



Home ShiroUser List

Create ShiroUser

Username:

Password:

Confirm Password:

First Name:

Last Name:

Email Address:

Roles: Administrator

Markets: MetroPCS - New York

Is Admin:

Create

Figure 2

Username: The naming convention for a user name is the first initial of the first name followed by the last name. For Example: Joe Bloggs would be jbloggs

Password/ Confirm Password: The password used to access this account

First Name: The user's first name

Last Name: The user's last name

Email Address: The user's email address

Roles: The role(s) this user will be assigned (Ctrl + Click to select multiple)

Markets: The market(s) this user will be assigned to (Ctrl + Click to select multiple)

Is Admin: Check this box if this user will be an admin user.

Once completed click the **Create** button to create the user entry.

Edit a User

To edit an existing user simply click on their userid in the **ShiroUser List** table. This will bring up that user's details.

Show ShiroUser

Id:	2
Username:	noc
First Name:	NOC
Last Name:	User
Email Address:	support@errigal.com
Is Admin:	true
Ems Permissions:	
Roles:	• NOC User
Markets:	



 **Edit**
 **Delete**

Figure 3

Click on the **Edit** button at the bottom of the page. This will allow you to edit each of the user's details as necessary. In order to select multiple roles or markets:

- Press **Ctrl + Click** on the appropriate items if they are not consecutive entries
- For consecutive entries press **Shift + Click** the first and the last entry you wish to select.

Edit User

Username:	<input type="text" value="jbloggs"/>
Password:	<input type="password"/>
Re-enter Password:	<input type="password"/>
First Name:	<input type="text" value="Joe"/>
Last Name:	<input type="text" value="Bloggs"/>
Email Address:	<input type="text" value="support@errigal.com"/>
Ems Permissions:	<input type="checkbox"/> Edit Configuration <input type="checkbox"/> Edit Network Element Update <input type="checkbox"/> Reboot
Roles:	<div style="border: 1px solid gray; padding: 2px;"> Administrator ▲ ATT METROPCS NOC User SPRINT ▼ </div>
Markets:	<div style="border: 1px solid gray; padding: 2px;"> MetroPCS - New York ▲ </div>
Is Admin:	<input checked="" type="checkbox"/>


 **Update**
 **Delete**

Figure 4

Once finished click **Update** to save the changes.

Delete a User

You can delete a user by clicking the **Delete** button after you click on a user's id in the ShiroUser list table.

Show ShiroUser

Id:	2
Username:	noc
First Name:	NOC
Last Name:	User
Email Address:	support@errigal.com
Is Admin:	true
Ems Permissions:	
Roles:	• NOC User
Markets:	



 **Edit**  **Delete**

Figure 5

(Note: It is very important that you make sure a user can first be deleted before you take the step of deleting them from the system. For example if a user is not working for the company anymore they may have their accounts deleted. Also if someone has created a duplicate entry for a user then the duplicate entry should be deleted. In any case it is necessary to contact support@errigal.com in order to further verify that this user can be deleted without causing any errors in the knowledgebase).

User Roles

Users have specific roles associated with their accounts in the SNMP Manager. When creating a user you may have noticed the **Roles** section. To access a list of these roles, from the SNMP Manager home screen click on the **ShiroRole** controller. Clicking into a role will give you the different permissions associated with that role (*See below*).

Show ShiroRole

Id:	1
Name:	NOC User
Permissions:	[trapRule, knowledge, activeAlarm, excelFileLoader, trapOverride, powerProvider, shiroUser:edit, secure, remoteTicket, ignoreTrap, contact, varbind, forwardAddress, powerDetails, search, ticketerConfiguration, alarmAudit, shiroUser:update, trapSearch, dasHub, gwt, clusterManager, activeConfig, networkElementConnection, discoveryOid, generalTrapSummary, networkElement, neFile, mib, contactResponsibility, nodeMonitor, knowledgeFile, discoveryProfile, dasNode, mapDetails, configuration, user, trapKnowledge, generalTrapSummarySearch]



 **Edit**  **Delete**

Figure 6

Administrator – This role gives the user the ability to view and modify all components of the SNMP Manager. This role should only be assigned to users who are responsible for and have been trained in the maintenance and administration of the SNMP Manager portion of the IDMS.

NOC User – This role provides access to the portions most commonly needed by NOC users of the tool such as the Excel File Loader, Trap Rule editor, Ignore Trap Filter, etc.

The roles named like carriers e.g. ATT, SPRINT, METROPCS etc. – These roles only provide access to the Node Monitor interface and the ability for a user to update their account password. All other admin functions are restricted. These are the recommended roles for carrier users.

Contact

To access this area, from the SNMP manager page click [Contact](#). To add a new contact click the [New Contact](#) button.



Figure 7

You will then be brought to the [Create Contact](#) form where you can fill in the appropriate information.

Create Contact

First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Title:	<input type="text"/>
Email Address:	<input type="text"/>
Cell Phone:	<input type="text"/>
Desk Phone:	<input type="text"/>
Fax:	<input type="text"/>
Address:	<input type="text"/>
Comment:	<input type="text"/>
Region:	<input type="text" value="▼"/>
Company:	<input type="text" value="MetroPCS"/>
Is Field Tech:	<input type="checkbox"/>

Figure 8

First Name: The first name of the user

Last Name: The last name of the user

Title: The user's job title. For example: Director of Field Operations, Senior Project Manager (**Note:** This does not relate to the contact responsibility section: contact type)

Email Address: The user's e-mail address

Cell Phone: The user's cell phone number

Desk Phone: The user's desk phone number

Fax: The user's fax number

Address: The user's address

Comment: Additional comments that may need to be required

Region - Normally left blank.

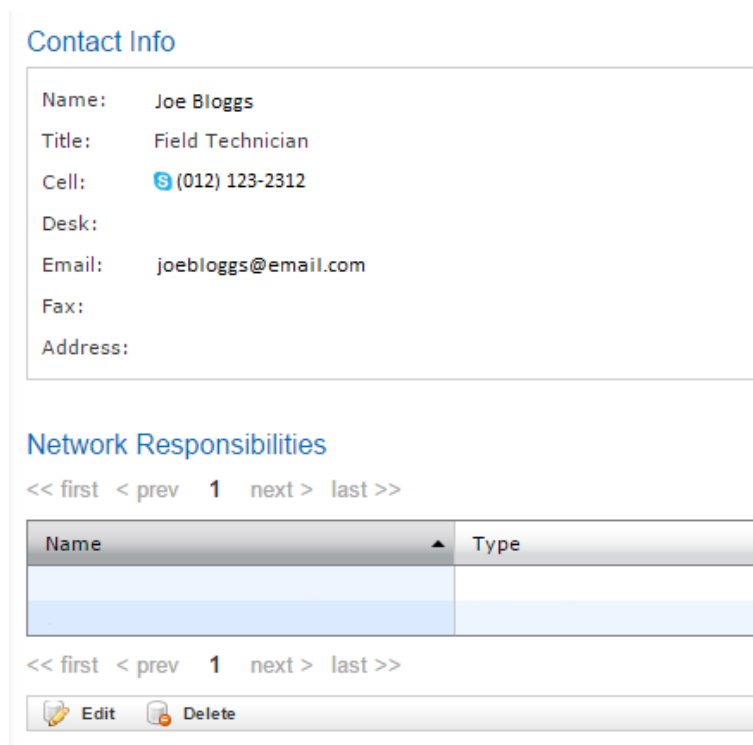
Company - Select the company associated with this contact from the dropdown menu. You can add/edit these companies from the [Company](#) section.

Is Field Tech - Check this box if this contact is a field tech.

Once you have filled out the form click the [Create](#) button to create the contact.

Edit a Contact

To edit an existing contact click on their id from the contact list and click the [Edit](#) button.



Contact Info

Name: Joe Bloggs
Title: Field Technician
Cell: (012) 123-2312
Desk:
Email: joebloggs@email.com
Fax:
Address:

Network Responsibilities

<< first < prev 1 next > last >>

Name	Type

<< first < prev 1 next > last >>



 Edit  Delete

Figure 9

From here you can make the necessary changes and click the [Update](#) button to save the changes.

Edit Contact


First Name:
 Last Name:
 Title:
 Email Address:
 Cell Phone:
 Desk Phone:
 Fax:
 Address:
 Comment:
 Region:
 Company:
 Is Field Tech:
 Responsibilities:
[Add ContactResponsibility](#)

Figure 10

Deleting a Contact

You can delete a user by clicking the **Delete** button after you click on a user's id in the Contact list table.

Contact Info

Name: Joe Bloggs
 Title: Field Technician
 Cell:  (012) 123-2312
 Desk:
 Email: joebloggs@email.com
 Fax:
 Address:

Network Responsibilities

<< first < prev 1 next > last >>

Name	Type

<< first < prev 1 next > last >>

Figure 11

(Note: It is very important that you make sure a contact can first be deleted before you take the step of deleting them from the system. For example if the person is not working for the company anymore they may have their accounts deleted. Also if someone has created a duplicate entry for a contact then the duplicate entry should be deleted. In any case it is necessary to contact *Errigal Confidential Proprietary*

support@errigal.com in order to further verify that this contact can be deleted without causing any errors in the knowledgebase. A contact can only be deleted if they have no contact responsibilities associated with them. Please verify this with the support team at Errigal to ensure that this action will not cause any errors in the knowledgebase.)

Create Contact Responsibility

The responsibilities associated with contacts will affect the type of email notifications they will receive. There is already a predefined list of responsibility types for example: Carrier Primary/ Secondary, Field Tech Primary/ Secondary, Fiber Tech Primary/ Secondary.

To associate a responsibility type with a contact, from the [ContactResponsibility](#) section click the [New ContactResponsibility](#) button.



Figure 12

From here you will be brought to the [Create ContactResponsibility](#) area where you can fill in the appropriate data.

Create ContactResponsibility

Element:	<input type="text" value="10.224.14.21"/>
Responsibility Type:	<input type="text"/>
Rank:	<input type="text" value="0"/>
Contact:	<input type="text" value="Network Operations Center"/>


 **Create**

Figure 13

Element: refers to the name/id of the NE (Network Element) associated with this responsibility and is selected from a predefined list.

Responsibility Type: refers to the type of responsibility. (**Note:** In order for these to be utilised by the system correctly they must be typed exactly as you see in the table below)

List of used responsibility types:

Carrier Primary	Carrier Primary 1	Carrier Primary 2	Carrier Secondary
Carrier Secondary 1	DAS Vendor Primary	DAS Vendor Secondary	Director
Fiber Tech Secondary	Field Tech Primary	Field Tech Secondary	Integrator Primary
Integrator Secondary	ISP Secondary	Manager Field Operations	Network Operations Manager (NOM)

NOC Primary	NOC Secondary	Primary Field Tech	Project Manager
RF Engineer	RF Manager	System Performance	Tertiary Field Tech
Venue Primary	Venue Secondary		

Rank: should remain 0.

Contact: refers to the user associated with this responsibility and is selected from a predefined list. If you wish to add a new contact to this predefined list this can be done in the [Contact](#) section.

Edit Contact Responsibility

To edit an existing contact responsibility click on its id in the [ContactResponsibility List](#) and click the [Edit](#) button.

Show ContactResponsibility

Id:	1
Element:	HubName_01
Responsibility Type:	Carrier Primary
Rank:	0
Contact:	Joe Bloggs



 **Edit**  **Delete**

Figure 14

From here you can make the necessary changes and click the [Update](#) button to save the changes.

Edit ContactResponsibility

Element:	HubName_01 ▼
Responsibility Type:	Carrier Primary
Rank:	0
Contact:	Joe Bloggs ▼



 **Update**  **Delete**

Figure 15

Delete Contact Responsibility

You can delete a user by clicking the [Delete](#) button after you click on a user's id in the [ContactResponsibility list](#) table.

Show ContactResponsibility

Id:	1
Element:	HubName_01
Responsibility Type:	Carrier Primary
Rank:	0
Contact:	Joe Bloggs

Edit
Delete

Figure 16

(Note: This is something that should only be carried out if you are certain that this contact responsibility can be deleted. Please verify this with the support team at Errigal to ensure that this action will not cause any errors in the knowledgebase.)

Cluster Managers

This section is used when you wish to add/remove/move hubs from particular clusters/groupings. To find a list of all hubs within a particular cluster you can do so by selecting the visibility level from the dropdown menu on the [ClusterManager](#) page.

(Note: Any new clusters should be added through the Ticketer (See Ticketer User Guide). After a new cluster has been added to the Ticketer press the [Add Cluster to DB](#) button to refresh the cluster list. After the cluster has been added to the SNMP Manager it can then be added to the NOC Portal (See NOC Portal User Guide). Please contact support@errigal.com when controllers are moved from one cluster to another to ensure all the correct information has been updated in the knowledgebase.)

The screenshot shows the 'Manager Network Element Clusters' interface. At the top, there is a 'Home' button and a dropdown menu for 'visibility Level' set to 'Global'. To the right is a search box for 'Find which Cluster a Hub belongs to, select a Hub:' and an 'Add Cluster to DB' button. Below this, there are instructions for moving hubs between grids. The main area is divided into two grids: 'Hubs for Cluster: Global' (currently empty) and 'Unassigned Hubs' (containing one entry: ATT, ATT_WI_UnivWisconsinStar). Between the grids are navigation buttons: '<<', '>>', and a 'Save' button with the label '3. Save 'Global''.

Figure 17

If you wish to find out which cluster a particular hub belongs to simply select the hub name from the dropdown menu.

You can remove a hub from a cluster either by dragging and dropping it into the unassigned hubs section on the right or by clicking the right arrow button.

To add a hub to a cluster click and drag it from the unassigned section to the column on the left or use the left arrow button. Once you have made the appropriate changes click the **Save** button to save your changes.

(Note: Please contact support@errigal.com when these changes are being made to clusters to ensure that all information has been correctly updated in the knowledgebase)

Company

This can be found from the SNMP manager home page. To access the company area click **Company**. You will then be shown a list of existing companies in the Company List. A company has a many-to-one relationship to the **Contacts** domain so a company can have many contacts associated with it.

To create a new company click the **New Company** button.

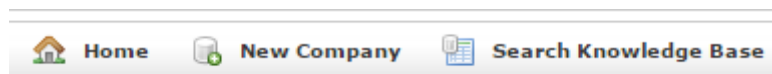


Figure 18

You will then be brought to the Create Company form where you can enter the details accordingly.

A form titled 'Create Company'. It has two input fields: 'Name:' followed by a text box, and 'Primary Contact:' followed by a dropdown menu. Below the fields is a button labeled 'Create' with a document icon.

Figure 19

Name - The company name

Primary Contact - You can select the primary contact for this company from the predefined dropdown list of contacts. **(Note:** These contacts can be added/edited from the Contact section of the SNMP manager.)

Once you have filled in this information click the **Create** button to create this company.

From the **Company List** section you can edit existing companies by clicking their associated ids and clicking the **Edit** button. You can then edit the information as required and once you are finished click the Update button. From here you can also delete this company by clicking the **Delete** button.



Figure 20

Alarm audit (full)

These audits are run once a day and examine all controllers and alarms in the system. Reports are then generated and are viewable in the reporting manager. These reports are used by NOC techs to verify missed traps or any other problems that may arise.

In the alarm audit section you will find the alarm audit list which contains the alarm audit name, number of threads, timeout value and timeout unit. By default the timeout value will be *16 hours*.

AlarmAudit List

Id	Name	Number Of Threads	Timeout Value	Timeout Unit
1	Full Alarm Audit	1	16	HOURS

Figure 21

If you wish to manually run a full audit, click on the **Run Full Audit** button.

On Demand Alarm Audit

To run the on demand alarm audit on a particular hub, navigate to the **Node Monitor** section and choose a particular node.

Trap Info	Hub Info	EMS	Map Hub(s)	Snmp Configuration	Alarm Audit	Clear Trap(s)	Close Panel
Hubs for Vendor: ATT							
●●	ATT_AZ_CardinalStadium_12	●●	ATT_AZ_CardinalStadium_13	●●	ATT_AZ_C		
●●	ATT_AZ_CardinalStadium_16	●●	ATT_AZ_CardinalStadium_17	●●	ATT_AZ_C		
●●	ATT_AZ_CardinalStadium_20	●●	ATT_AZ_CardinalStadium_21	●●	ATT_AZ_C		
●●	ATT_AZ_CardinalStadium_24	●●	ATT_AZ_CardinalStadium_25	●●	ATT_AZ_C		
●●	ATT_AZ_CardinalStadium_28	●●	ATT_AZ_CardinalStadium_29	●●	ATT_AZ_C		
●●	ATT_AZ_Dynamite_01(P379)	●●	ATT_AZ_FountainHills_01(P701)	●●	ATT_AZ_G		
●●	ATT_AZ_ParadiseValley_01(X463)	●●	ATT_AZ_Pinnacle_01(X452)	●●	ATT_AZ_Pi		

Figure 22

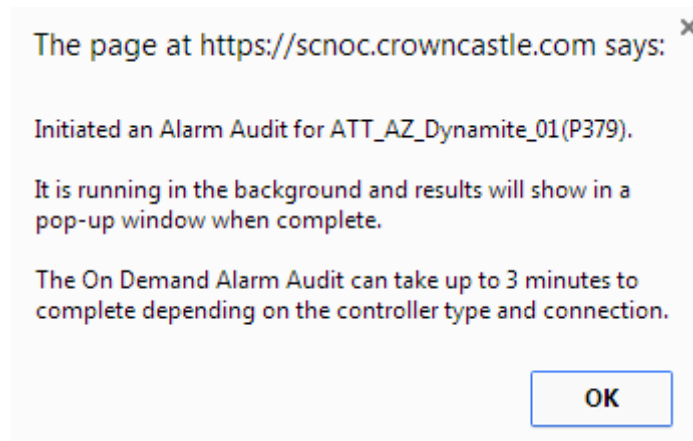


Figure 23

With the node selected click the **Alarm Audit** button to run the On Demand alarm audit on this node. This will cause a pop-up window to appear detailing the hub audit information. Click **Ok** to this and the hub audit will run in the background.

When completed the results will display on screen for you to view:



Figure 24

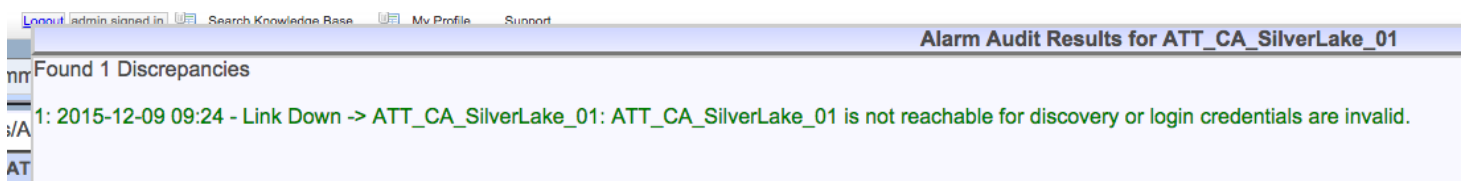


Figure 25

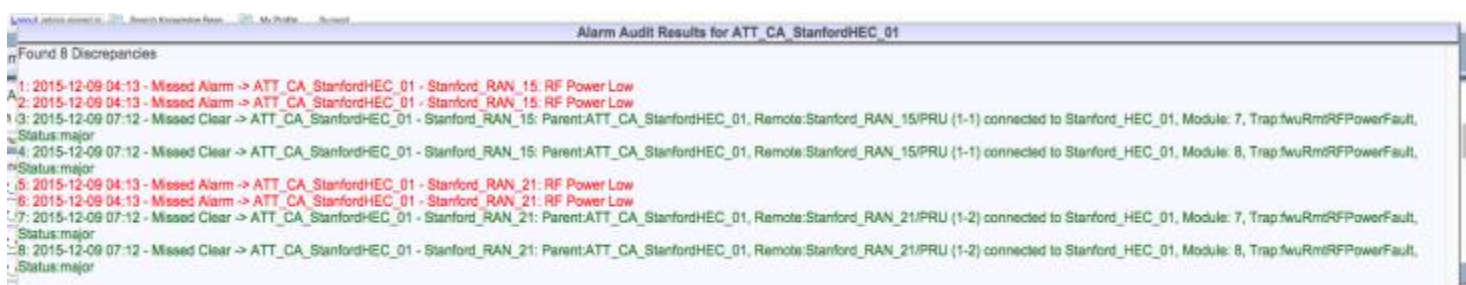


Figure 26

A **missed clear** will update the alarm on the next refresh.

A **missed alarm** will display in the notification box.

Adding Attachments

Attachments can be added to network elements such as hubs and nodes. They are accessible to users in the NOC Portal. Examples of attachments that can be added would be: floor plans, user guides, IBwave (signal layout). Attachments can be added on a hub or a node level.

From the **Attachment** controller you will see the Attachment list. To add a new attachment click the **New Attachment** button.

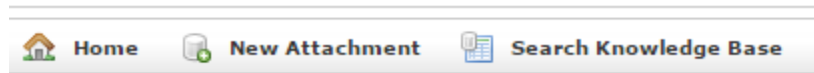


Figure 27

Create Attachment

Name:	<input type="text"/>
Type:	<input type="text" value="SIMPLE"/>
Upload New File	<input type="button" value="Choose file"/> No file chosen
Use existing file?	<input type="checkbox"/>
File:	<input type="text" value="Training Topics Outline.docx - attachment"/>
<input type="button" value="Create"/>	

Figure 28

This will bring you to the Create Attachment form where you fill in the relevant data such as attachment name, type, space to upload the document itself, and whether or not you wish to use an existing file.

Name: The attachment name

Type: The type of attachment eg. Simple, Floor Plan, IBWave

Upload New File: Click on choose file then select the file you wish to upload

Use existing file: Check this box if you wish to use an existing file

File: If you checked the **Use existing file** box then you can select the file from the dropdown list.

Once you are happy with the information click **Create** to create the attachment.

Edit/Delete Attachments

To delete an attachment click on its id in the Attachment list then click the **Edit** button. Once you have made the necessary changes click the **Update** button.

To delete an attachment click on its id in the Attachment list then click the **Delete** button.

Show Attachment

Id:	1
Name:	SampleFile
Type:	SIMPLE
File:	SampleFile.txt
Network Elements With Attachment	

Edit **Delete**

Figure 29

Ignore Trap

Entries in the **IgnoreTrap** section are traps that if caught will be ignored. Traps are identified by the **Oid** (object identifier) in each vendor’s MIB. To create a new ignore trap click on the **New Ignore Trap** button. Please ensure that the ignore trap is created on the load balancer and NOT on one of the application handlers.

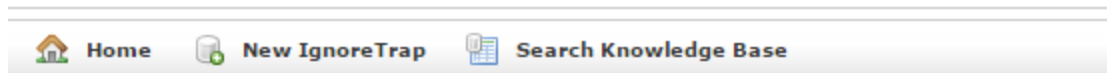


Figure 30

From here you will be presented with the following form to fill in with the relevant data: Trap Oid (required) IP address (not required).

Create IgnoreTrap

Active:	<input type="text" value="NO"/>
Description:	<input type="text"/>
Ip Address:	<input type="text"/>
Trap Oid:	<input type="text"/>

Create

Figure 31

Active: Refers to whether this ignore trap is active or not

Description: A general description of the ignore trap

IP address: The IP address of the NE (network element) to which the ignore trap applies.

Trap Oid: The Object Identifier of the NE to which the ignore trap applies.

You can also edit existing IgnoreTraps by clicking on the Id associated with a particular IgnoreTrap. From here click on the [Edit](#) button to edit this IgnoreTrap. You can also choose to delete the entry by clicking the [Delete](#) button on this page. To edit the IgnoreTrap entry simply make the required changes to the form and click the [Update](#) button.

ISPs

[Internet Service Provider](#). This section simply contains a table of internet service providers and their various contact numbers. (**Note:** the excel file loader is the best place to update this information.) You can add a new ISP by clicking the [New InternetServiceProvider](#) button.

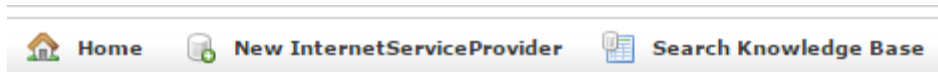


Figure 32

This will bring you to a form which you can fill in with the appropriate data. When you are finished click the [Create](#) button to create a new ISP.

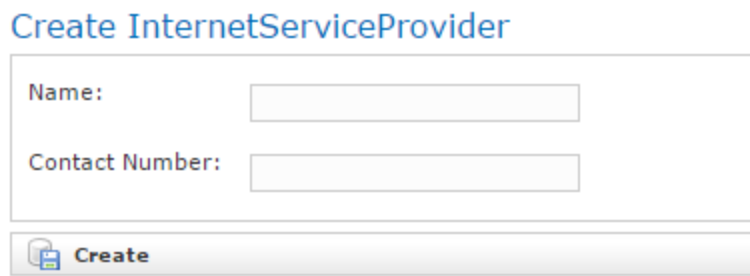
A form titled 'Create InternetServiceProvider'. It contains two input fields: 'Name:' and 'Contact Number:'. Below the fields is a 'Create' button with a document icon.

Figure 33

To edit an existing ISP click on its Id then click the [Edit](#) button. From here you can also choose to delete the ISP by clicking the [Delete](#) button. Once you have clicked the edit button you can edit each of the fields accordingly and once finished click the [Update](#) button.

Modem and Router

These two sections are used to enter and display information about various modems and routers. (**Note:** the excel file loader is the best place to update this information.) To create a **new modem** click on the **New Modem** button.



Figure 34

In order to create a new modem you must select its parent. Once selected the form will become visible for you to fill in the appropriate data.

Create Modem

Parent:	<input type="text" value="null - ROOT"/>
Name:	<input type="text" value="n/a"/>
Name In Trap:	<input type="text" value="n/a"/>
Customer:	<input type="text" value="UNKNOWN"/>
Login Credentials:	<input type="text"/>
Equipment Details:	<input type="text"/>




Figure 35

Parent: Refers to the parent network element to be associated with this modem

Name: The name of the modem

Name In Trap: The name which the modem will be identified as

Customer: Who owns the modem

Login credentials: You can associate username/passwords to this modem from the predefined drop down menu

Equipment Details: Usually left null

You can also edit/delete existing modems by clicking on a particular modem's Id then clicking **Edit** or **Delete** depending on which action you wish to take.

To create a **new router** click on the **New Router** button.

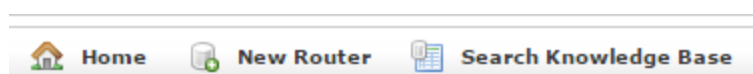


Figure 36

Similarly to the modem section you must choose a parent NE before the rest of the form will appear.

Create Router

Parent:	<input type="text" value="H_001"/>
Name:	<input type="text" value="n/a"/>
Name In Trap:	<input type="text" value="n/a"/>
Customer:	<input type="text" value="UNKNOWN"/>
Login Credentials:	<input type="text"/>
Equipment Details:	<input type="text"/>


 **Create**

Figure 37

Parent: Refers to the parent network element to be associated with this router

Name: The name of the router

Name In Trap: The name which the router will be identified as

Customer: Who owns the router

Login credentials: You can associate username/passwords to this router from the predefined dropdown menu

Equipment Details: Usually left null

You can also edit/delete existing routers by clicking on a particular router's Id then clicking [Edit](#) or [Delete](#) depending on which action you wish to take.

Power Provider

This section displays a list of power providers and their associated information. (**Note:** the excel file loader is the best place to update this information.) To add a new power provider click the [New PowerProvider](#) button.



Figure 38

You will then be brought to the form where you fill in the appropriate data:

Create PowerProvider

Name:	<input type="text"/>
Address:	<input type="text"/>
Web Site:	<input type="text"/>
Contact Number:	<input type="text"/>
Temp Power:	<input type="checkbox"/>


 **Create**

Figure 39

Name: The name of the power provider

Address: The address of the power provider

Website: The website URL of the power provider

Contact Number: Mobile or phone of the power provider

Temp Power: Is this provider providing temporary power or not.

Once finished simply click the **Create** button.

Technology

(Note: It is recommended that any requests relating to technology be sent to support@errigal.com)

Excel File Loader

This section is used to load many entries into the DB (database). The user should fill out the excel sheet template correctly and save it with the correct name and file extension. **(Note:** Supplemental documentation relating to excel sheets is available.)

From the Excel File Loader section you can upload the file in the space provided and click **Submit** to upload it.

Export Hub With Nodes

Hub:

Upload and Update Network Elements

No file chosen

Figure 40

From here you can also export hubs by choosing them from the dropdown list and clicking the [Export](#) button.

External Carrier Naming

The Excel File Loader spreadsheet includes fields for Carrier Hub ID and Carrier Node ID that allow you to set the name that carriers use for elements if they are different from the internal naming scheme. For elements that have external names defined this checkbox in the bottom left of the Node Monitor will toggle between showing hubs with the internal (normal) or external naming conventions. The alarm filter also supports filtering using both the internal and external names.

Traps - All Traps

Customer:

CRITICAL	Receive Time: 2016-05-06 06:13:09.0
Site Name: TMB_FL_Kendall-88thSt(FLH0029A)_01 - R_015/3_4_FLH0029A_N003_SFL0003_AWS	
Alarm Name: Amplifier 3 DL RMS level low	Category: RF Power
Probable Cause: Output power RMS level was lower than user configured threshold and has not yet recovered ab aimosAlarmNew Amplifier 3 2100MHz DL RMS level low	
MAJOR	Receive Time: 2016-05-06 06:13:01.0
Site Name: NEU_IN_IndianaUnivAssemblyHall_01 - BTSC-11-3-4/AWS SECT 6A	
Alarm Name: BTSC RF low indication.	Category: RF Power
Probable Cause: BTSC RF low indication. Remedy: RF levels - check RF levels at device connections (input / outp	
CRITICAL	Receive Time: 2016-05-06 06:12:41.0
Site Name: NEU_MT_UniversityofMontana_11 - NO_NODE	
Alarm Name: Zinwave Fault Relay Reset Failure	Category: No category
Probable Cause: There was an error while trying to set the fault relay on this hub Remedy: Ensure that the IP addr	
CRITICAL	Receive Time: 2016-05-06 06:12:40.0
Site Name: NEU_MT_MontanaStateUniv_08 - NO_NODE	
Alarm Name: Zinwave Fault Relay Reset Failure	Category: No category
Probable Cause: There was an error while trying to set the fault relay on this hub Remedy: Ensure that the IP addr	
MAJOR	Receive Time: 2016-05-06 06:12:35.0

Use External Naming

Trap Aggregation

A trap is essentially a notification that is received by the SNMP manager. Many traps are sent and caught over the course of a day which is why it is important to reduce the amount of unnecessary traps coming in. This is where trap aggregation is useful.

Traps are aggregated/ collected together into “buckets” based on certain parameters. After a set amount of time (say 30 minutes) or if a set number of traps are reached in a particular “bucket” (say 1000) then a trap will be sent out containing the number of traps received.

To create a new trap aggregate click on the [New TrapAggregate](#) button.



Figure 41

From here you can enter the appropriate data including Ip Address, Trap Oid, Repeat Count. Once completed click the [Create](#) button to create the Trap Aggregation.

Create TrapAggregate

Ip Address:	<input type="text"/>
Trap Oid:	<input type="text"/>
Repeat Count:	<input type="text" value="0"/>
Send After Repeat Count:	<input type="checkbox"/>

[Create](#)

Figure 42

IP address: The IP address of the NE (network element) to which the trap aggregate applies.

Trap Oid: The Object Identifier of the NE to which the trap aggregate applies.

Repeat Count: The amount of times the trap aggregate should be repeated.

Send After Repeat Count: If this box is checked a trap will be sent every time the repeat count is reached.

Trap Override

Trap overrides are put in place to manually override the severity of an active alarm. By default informational alarms are not ticketed.

Begin by selecting a particular MIB. This will then populate the next step which is to filter for text or to select a trap from the [Trap Select dropdown](#) menu.

Trap Override - Manually Override the Severity of an Active Alarm

1. Select a MIB

MA860_MIB ▼

2. Select a Trap. You can use the drop list or enter some text in the filter box and click 'Filter Trap List' to reduce options in the list.

Filter for Text:

Trap Select: ▼

Figure 43

Modify NE from GUI

(Note: This should be done from the Excel file sheet loader. (See supplemental documentation))

Component Discovery

Component Discovery pulls data from controller, generate Component, associated with Network Element and save them to database. Component Discovery doesn't have ability to assign Carriers to discovered Component. But it has ability to export Component Carrier Sheet. This is the same sheet you can get from Excel Export page.

Component Discovery audits Components in Database based on the combination of Component Type, Network Element associated to and Logical ID of the component. In this way, it prevents saving duplicated component.

UI explanation

1. Select Hubs
 - a. Selection shows [Technology Name] HUB-NAME ... (Number of Component Already Exists)
2. Start Discovering
 - a. Click button and SnmpManager connect to Controller

Dropdown number 1 and Button number 2 will be disabled until component discovery completed

Please note that leaving this page during discovering **won't** cancel component discovery

The screenshot shows the ERRIGAL IDMS Monitor interface. At the top, there is a navigation bar with the ERRIGAL logo, 'IDMS Monitor' text, and several icons. Below the navigation bar, there is a 'Discover Component' section with a dropdown menu for 'Select Hub' and a 'Start Discovering' button. The main content area displays the results of the component discovery for a specific hub. It is divided into three sections: '5 Newly Found Components', '39 Components Already Exists on Database', and '1 Component Not Found in Controller'. Each section contains a table with columns for NE ID, NE Name, HW Type, Component ID, Component Type, Component Name, and Component Logical ID.

NE ID	NE Name	HW Type	Component ID	Component Type	Component Name	Component Logical ID
5 Newly Found Components						
182087	TFAH-US7/17 2.4.4		7703	Amplifier	AWS	AWS
182105	TFAH-US7/17 3.10.2		7701	Amplifier	CELL 700	CELL 700
182110	TFAH-US7/17 3.11.2		7700	Amplifier	CELL 700	CELL 700
182097	TFAH-US7/17 3.4.4		7702	Amplifier	AWS	AWS
182100	TFAH-US7/17 3.5.2		7704	Amplifier	CELL 700	CELL 700
39 Components Already Exists on Database						
182084	TFAH-US7/17 2.4.1		7620	Amplifier	AWS	AWS
182084	TFAH-US7/17 2.4.1		7630	Amplifier	CELL 700	CELL 700
182085	TFAH-US7/17 2.4.2		7602	Amplifier	AWS	AWS
182085	TFAH-US7/17 2.4.2		7608	Amplifier	CELL 700	CELL 700
182086	TFAH-US7/17 2.4.3		7621	Amplifier	AWS	AWS
182086	TFAH-US7/17 2.4.3		7644	Amplifier	CELL 700	CELL 700
182102	TFAH-US7/17 3.5.4		7647	Amplifier	AWS	AWS
182102	TFAH-US7/17 3.5.4		7593	Amplifier	CELL 700	CELL 700
1 Component Not Found in Controller						
182100	TFAH-US7/17 3.5.2		7637	Amplifier	TEST_INVALID_COMP	TEST_INVALID_COMP

Once component discovery completed, it shows you following tables.

- Newly Found Components
 - Components that weren't in database and saved.
 - Carrier needs to be assigned manually.
- Components Already Exists on Database
 - Nothing will be changed on those components.
- Component Not Found in Controller
 - Component exists in database but SnmpManager cannot find matching component in Controller.
It may require proper auditing of component or if the component is legit one, contact to support to update component discovery logic.

On top right of the table, there is link titled as “Export Component Carrier Sheet”. This will export Component Carrier Sheet of the Hub that shown on table. You can upload this excel sheet through Excel Sheet Loader to assign carriers to component.

Supported Technology

- ANDREWS ION-B/TSUN
- TE PRISM V9
- TE PRISM V8
- TE SPECTRUM V8

Controller Criteria

- Technology is supported
- Controller is reachable from SnmpManager instance
- Name of children of the controller does matches with what's shown on controller
- RemoteSystemInfoConfiguration and HttpSessionManager are assigned (can be configured through support)

Comments or Questions

For any additional questions, please email support@errigal.com.