Eagle Online Software

Manual

ver. 2.1

April 2020

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CONTENTS

This manual is intended as an introduction and overview of the Eagle Online Data Management platform. There are many features of the Eagle platform that are not covered in this manual. Further and detailed information can be found online:

http://docs.eagle.io/en/latest/

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Disclaimer

Seller warrants new equipment of its own manufacture against defective workmanship and materials for a period of one year from the date of receipt of equipment.

Note: We do not consider the results of ordinary wear and tear, neglect, misuse, or accident as defects.

The Seller's liability for defective parts shall in no event exceed the furnishing of replacement parts \freight on board the factory where originally manufactured. Material and equipment covered hereby which is not manufactured by Seller shall be covered only by the warranty of its manufacturer. Seller shall not be liable to Buyer for loss, damage or injuries to persons (including death), or to property or things of whatsoever kind (including, but not without limitation, loss of anticipated profits), occasioned by or arising out of the installation, operation, use, misuse, non-use, repair, or replacement of said material and equipment, or out of the use of any method or process for which the same may be employed. The use of this equipment constitutes Buyer's acceptance of the terms set forth in this warranty.

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Further information can be found online:

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Terms of Use: https://www.eagle.io/policies/terms

Service Level Agreement: https://www.eagle.io/policies/sla

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Online Documentation

All information in this manual can be found online: http://docs.eagle.io/en/latest/

Creating an Account

Edaphic Scientific will contact you to obtain the email address/es of users of your system. If you have not been contacted, please email: info@edaphic.com.au
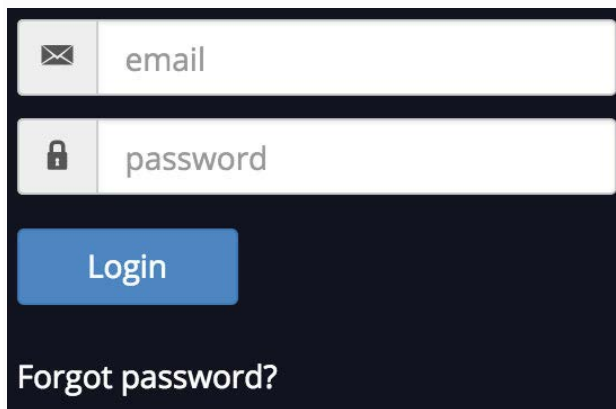
Go to the following webpage and follow the prompts to login or request access to an account:

https://edaphic.eagle.io/

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Log in to eagle.io

You will need a user profile to log in. This requires you to <u>sign up</u> for an account or receive a Workspace Sharing invitation from a registered user.
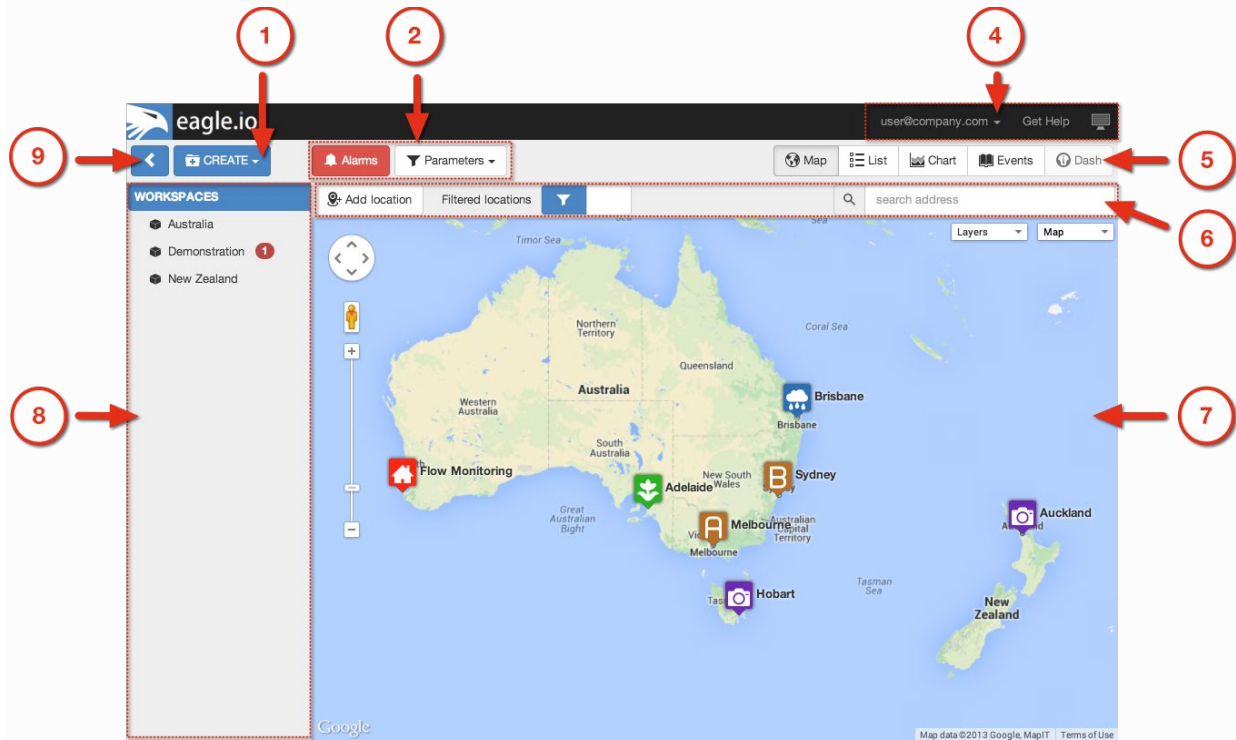
Login form

Enter your *email* address & *password* to login. If you have forgotten your password, simply click the *forgot password* link to reset it.
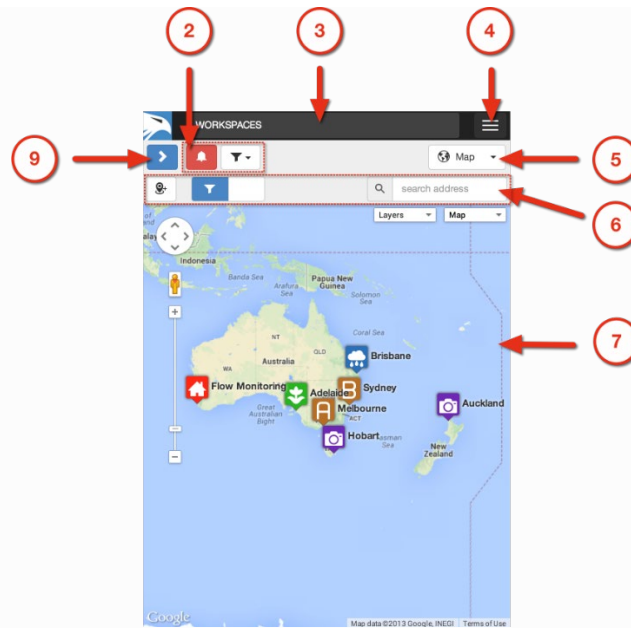
Layout and Navigation

The user interface is divided into sections which group similar functionality and content. The layout of these sections will vary depending on the screen size of your device including its orientation (portrait or landscape). The figures below highlight the Main features of the interface as displayed on different devices.

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Desktop layout

Phone and Tablet layout

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Main features

1. Create Menu
2. Filters
3. Status Bar
4. User Menu, Messages, Help and Fullscreen mode
5. View Selector
6. Toolbar
7. Content Area
8. Workspaces Tree
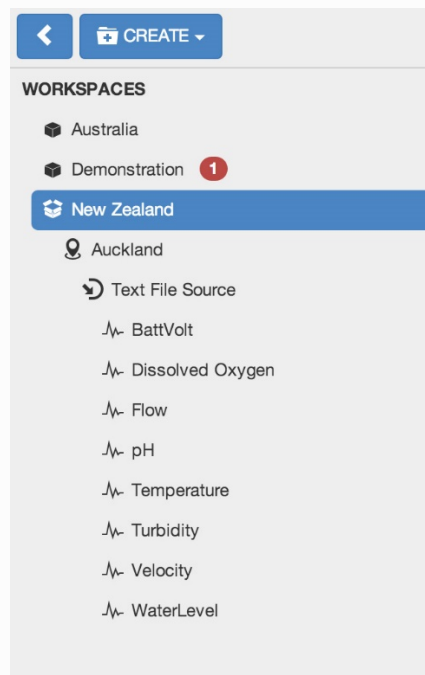9. Workspaces Tree show/hide button

Selecting Nodes in the Workspaces Tree

The Workspaces Tree displays all the Workspaces and associated content you have access to. Each item in this menu is called a Node. The highlighted item is referred to as the Selected Node.

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Most Nodes are hierarchical and may also contain Nodes themselves. The *Workspaces* label is the best example of this as its referred to as the Base Node and contains all the Workspace Nodes.

If you have access to more than one Workspace you may notice some of the Workspaces are *GRAYED* out when you first login. Select the Workspace to load its assets.

Example Workspaces Tree showing hierarchy

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Change the Selected Node by clicking or touching on another Node. You will notice that container Nodes will automatically expand and collapse to show and hide their contained Nodes on selection.

Selecting a Node focuses your View. Only the selected Node and the Nodes it contains will be available in the Content Area.

You can easily show all content by selecting the Base Node.

Note

The Workspaces Tree will be hidden by default when displayed on small screens. You can see the Selected Node displayed in the Status Bar. Double-click or Double-tap the status bar to quickly reveal the Workspaces Tree. Alternatively, you can use the Workspaces Tree show/hide button.

Most common types of Nodes:

Workspace

Workspaces are special container Nodes that can be shared with other users. All other Nodes are created within the Workspace. Workspaces can only be created by the Account Owner or Administrators.

Group

Groups are simple Nodes that provide structure to your Workspaces. You may choose to group content by geography or related purpose. Groups can be created inside Workspaces, Locations and other Groups.

Location

Locations are special containers used to associate data with a geographical location. Locations can be created inside Workspaces and Groups.

Chart

Create various types of charts with customized functionality and appearance including historic charts with multiple y-axes and wind rose charts with configurable ranges.

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Dashboard

Dashboards allow users to create customized views of their data in visually appealing layouts using animated gauges, charts, lists, maps and other graphical controls.

Data Source

Data Sources automatically acquire or receive timeseries data using a variety of different transport options. Connect to a data logger or collect data from files. Data Sources can be created inside Locations only.

Parameter

Parameters are managed by and contained within Data Sources. Parameters store the individual timeseries acquired by its Data Source. There are a few different types of parameters but essentially they support Monitoring or Controlling of values.

Review the full list of Node types.

Changing the View

The Selected Node (including any Nodes it contains) can be displayed in a variety of Views. Use the View Selector to change the View. You will notice the Content Area and Toolbar change.

Content Views

Map

Map provides a fully featured interactive interface for displaying location based data.

List

Intuitive categorised lists provide quick access to the data for your most important Nodes: Locations, Sources, Parameters, Attachments.

Chart

Use the Chart View for reviewing your timeseries data in highly interactive charts. Choose to group data on charts by Location or Parameter type. You can also setup custom charts for full customization over functionality and appearance.

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Events

Every interaction (user and system generated) is recorded in the Events log. Use the Events View to quickly audit the system, a user or history of alarms.

Dash

The Dash is for viewing the customized graphical dashboards and also provides an overview of all dashboard nodes available based on the Selected Node in the Workspaces Tree.
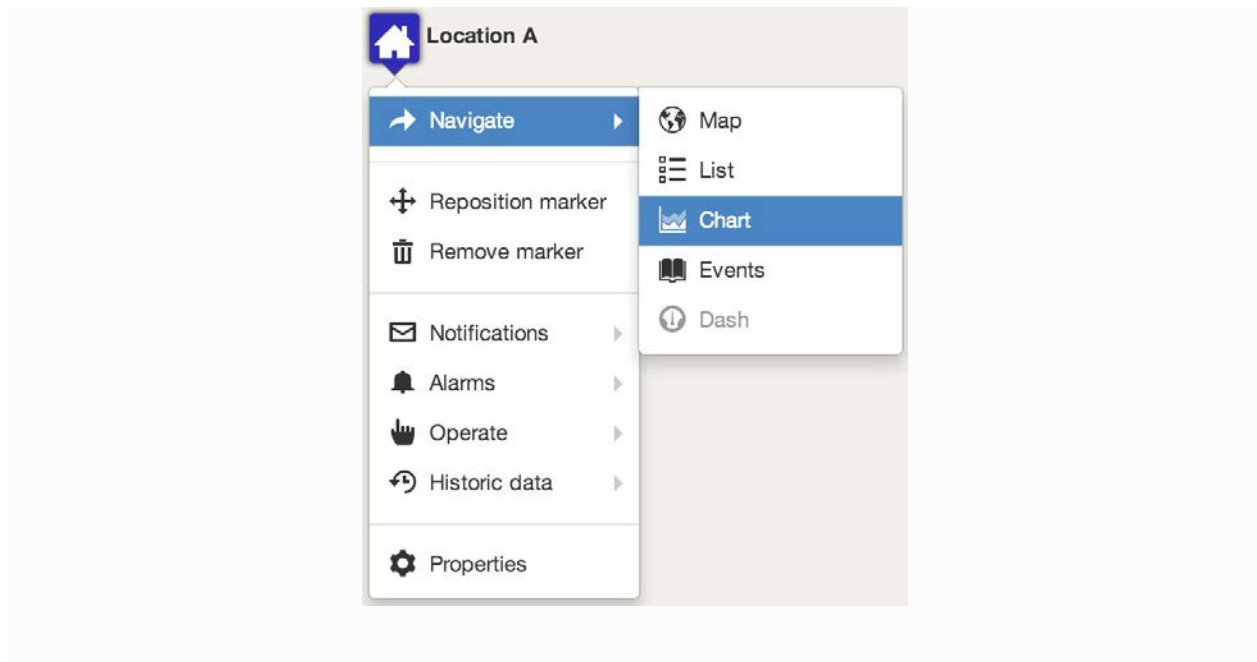
User Menu

The User Menu provides quick access to the User Profile, Account Settings, Log out and Help.

Context Menus

Context menus are built into the interface and provide quick access to navigation, operations and configuration for their associated elements. Right-click or long-press on a Node in the Workspaces Tree or an item in the Content Area (ie. Map marker, List item, etc.) to display it's associated context menu.

Example Context menu shown for Map marker

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Context menus display only the items relevant to the associated Node or content the menu is displayed for. Context menu items are also dependant on User permissions. If there are no available options then no context menu will be displayed.

Click, Touch, Tap, What?

The user interface has been designed to work seamlessly across all modern computing devices including desktop computers, tablets and phones which means it has built-in support for Touch devices.

Throughout this documentation you will notice the following terms:

Click, Touch, Tap

> Use a mouse to select an item or touch the screen (touch device only) momentarily where the item is displayed.

Double-click, Double-tap
> Click the item twice in quick succession with a mouse, or Tap the item twice with a touch device.

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Right-click, Long-press
Using a dual button mouse, use the alternate button to Click. When using a single button mouse or touch device you need to click (or touch) and hold without releasing for a few seconds.

Inline help

Help is available throughout the interface - wherever you see the help icon. You can hover, click or touch the help icon to show the help popup - many of which have quick links back to the relevant section in this documentation.

Inline help example

Enter full international number.
eg. +61407000001
Read more...

?
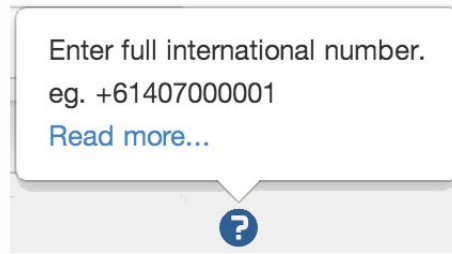
Offline use

An internet connection is required. If the connection to eagle.io has failed a disconnected notice will be displayed. Normal operation will resume once the connection has been re-established.

Disconnected. Trying to contact server...

Note

You may notice the app refresh after the connection is re-established after a long timeout or when updates have been released.

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How to Download a .csv File

Step 1:

- Click on your Workspace:

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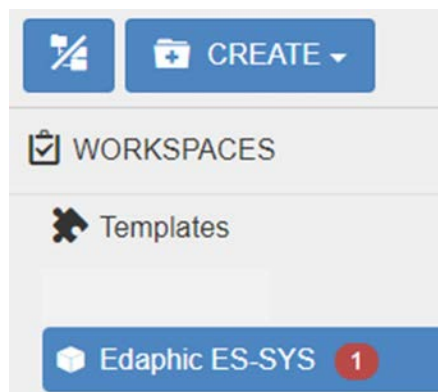
Step 2:

- Click on your Folder (Group), then Location, and then Data Source:
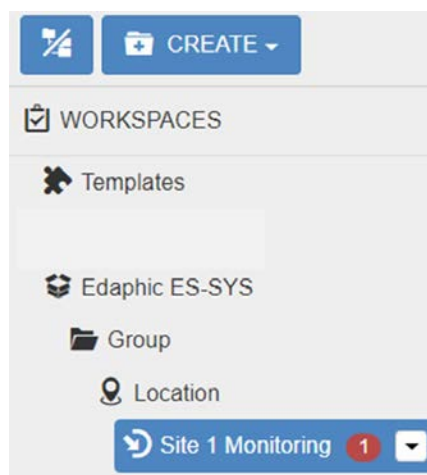
Step 3:

- Click on the Drop Down Menu and Find "Historic Data".
- Click on "Export".
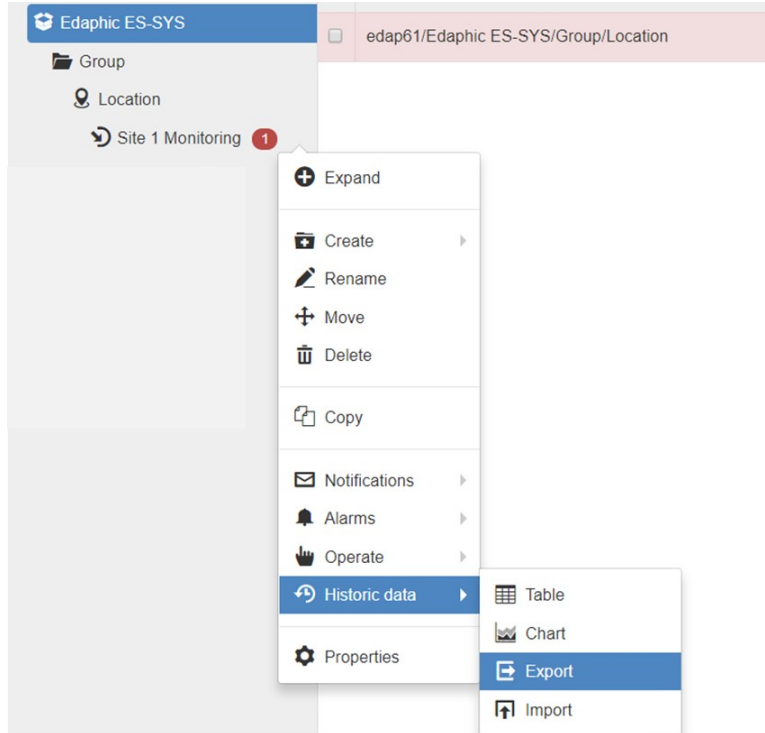
Step 4

- Select all the parameters you want to export. Click on "Parameters Selected":
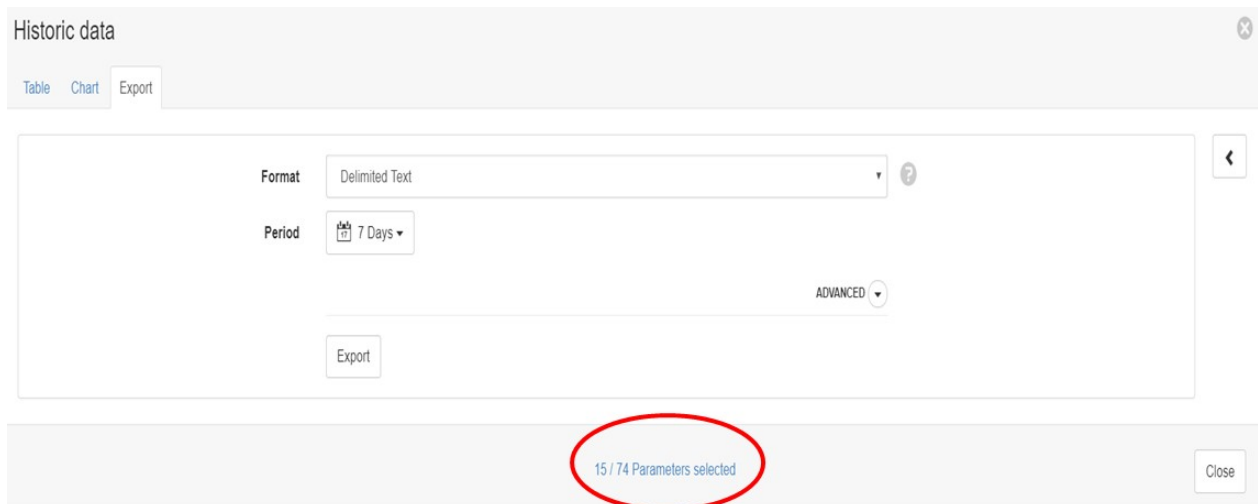
- Make your selection of parameters to export, or click "Select All":

Step 5

- Click on "Advanced" and set the following parameters:
- **Format:** Delimited Text
- **Period:** Select the time period you want to export
- **Output:** Interleaved
- **Include Column Headers**
- **Delimiter:** ,
- **Text Qualifier:** "
- **Number Format:** Parameter format
- **Time Format and Timezone:** Choose your selection
- **Quality:** Do not include
- **Annotations:** Do not include
- Click on "Export" and the file will begin to download

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Step 6:

- Once download has been successfully completed, click on "Download"
- The file will save to your computer as a zip file
- Locate and open zip file which will contain the .csv file

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How to Set Alarms and Email Notifications

IMPORTANT FIRST STEPS

The default configuration in Eagle is to send both email and SMS alarms. Email alarms are free of charge however the SMS alarms cost 20 cents each. To avoid excessive and unwanted fees and costs, it is strongly recommended to disenable SMS alarms.

- Click on the workplace folder's dropdown menu, then "Notifications", then "Manage":

- Unselect the SMS options:

Notification categories	Email	SMS
Maintenance	✔	☐
Operations	✔	☐
Critical	✔	☐

❓ Get help with notification management   Close

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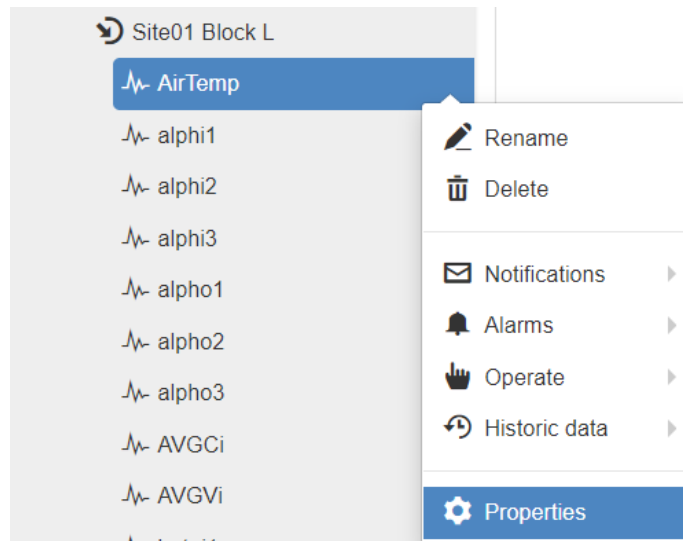Ph: 1300 430 928

Configuring Alarms and Alerts:

Step 1:

- Click on the node or parameter of interest. In this example it is Air Temperature:

Step 2:

- In the dropdown menu, click on Properties:

Step 3:

- Under the "States" tab, click on "Add State".
- This is where a value is included where an alarm should be raised. In this example, a value of 40 is included to indicate that temperature is high at 40 degrees.
- Note that the "Normal" state cannot be changed and must always be there.

States   Drag and drop NORMAL state to reorder

⤨ **High**
State will be **active** when AirTemp increases to **40 degC**. An **alarm** will be raised.
State will become **inactive** when AirTemp decreases below **40 degC**.
Notifications will be sent to **Maintenance** category when state becomes **Active**.   Hide

Name	High	?
Threshold	40	1x ▾	?
	☑ Raise alarm (parameter displayed red)	
Quality	None ▾	?
Notifications	Active ▾	?
Category	Maintenance ▾	?
Active message	Temperature is high	?

⤨ **NORMAL**
State will be **active** when AirTemp is below **40 degC**.
Notifications will not be sent.   Edit

Add state

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Step 4

- A low state can also be added to raise an alarm when a value is below a threshold.
- Click "Add State", add a "Name" and "Threshold". In this example, the name is "Low" and the threshold is "10" to indicate that an alarm should be raised when temperature is less than 10 degrees.

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Step 5

- It is important to re-order the States so that alarms are triggered correctly. In this example there are three states: High, Low and Normal. The Normal state must be re-ordered to be in the middle of the High and Low states.
- Hover the mouse curser over the Normal tab. The mouse curser will turn into a hand. Hold down the left mouse key to grab hold of the Normal tab. Drag the Normal tab upwards between the High and Low tabs. The states will now be ordered correctly.
- Click on "Save".

States   Drag and drop NORMAL state to reorder

⤨ **High**   ≡
State will be **active** when AirTemp increases to **40 degC**. An **alarm** will be raised.
State will become **inactive** when AirTemp decreases below **40 degC**.
Notifications will be sent to **Maintenance** category when state becomes **Active**.   Edit

⤨ **NORMAL**   ≡
State will be **active** when AirTemp is between **10 degC** and **40 degC**.
Notifications will not be sent.   Edit

⤨ **Low**   ≡
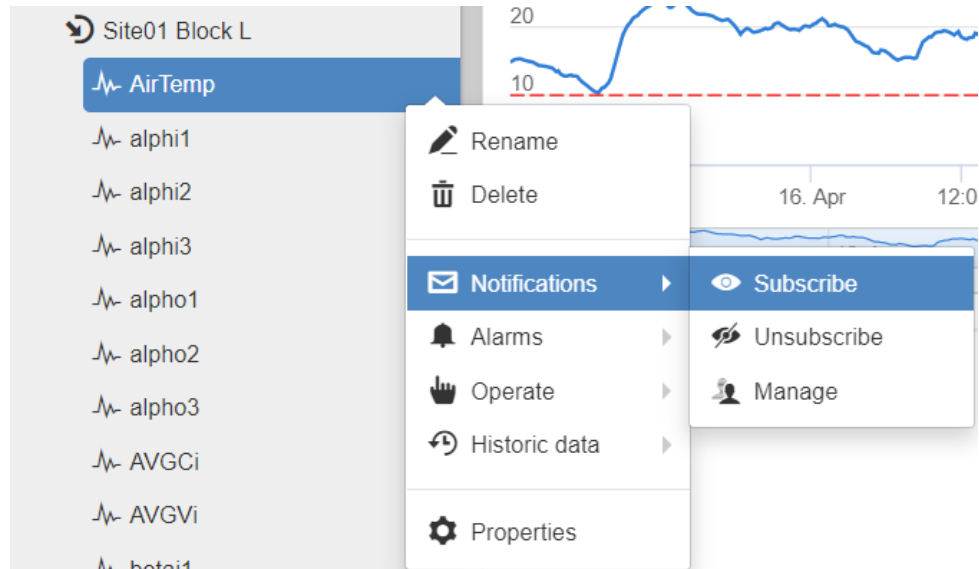State will be **active** when AirTemp decreases to **10 degC**. An **alarm** will be raised.
State will become **inactive** when AirTemp increases above **10 degC**.
Notifications will be sent to **Maintenance** category when state becomes **Active**.   Edit

Add state

Node Id: 5db4db0deb836f0ccd72def6   Save   Cancel
@ - optional custom id -   ✎

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Step 6:

- Notifications configuration.
- Click on the dropdown menu aside the node or parameter that was just configured. In this example it is AirTemp.
- Click on "Notifications" and then click on "Subscribe".
- An email notification will be sent to the login email address when an alarm threshold has been triggered.

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Further Information

Online tutorials and demonstrations can be found here:

http://docs.eagle.io/en/latest/intro/tutorials/index.html

Advanced user features can be found here:

http://docs.eagle.io/en/latest/topics/index.html

Contact Details

For troubleshooting and further information, please contact Edaphic Scientific:

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