

ASPECT® Alarm Notifier

USER GUIDE



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ASPECT® Alarm Notifier (MAN0145 rev 3)

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UniPut™ technology is covered by UK Patent GB 2 400 991 and Irish Patent 84413



www.cylon.com

www.cylon-automatrix.com

Style conventions used in this document:

UI Text: Text that represents elements of the UI such as button names, menu options etc. is presented with a grey background and border, in Tahoma font which is traditionally used in Windows UIs. For example:

Ok

Standard Terms (Jargon): Text that is not English Language but instead refers to industry standard concepts such as Strategy, BACnet, or Analog Input is represents in slightly condensed font. For example:

BACnet

Code: Text that represents File paths, Code snippets or text file configuration settings is presented in fixed-width font, with a grey background and border. For example:

```
$config_file = c:\CYLON\settings\config.txt
```

Parameter values: Text that represents values to be entered into UI fields or displayed in dialogs is represented in fixed-width font with a shaded background. For example

10°C

Product Names: Text that represents a product name is represented in bold colored text. For example

INTEGRA™

PC Keyboard keys: Text representing an instruction to press a particular key on the keyboard is enclosed in square brackets and in bold font. For example:

[Ctrl]+[1]

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ABOUT THE ALARM NOTIFIER

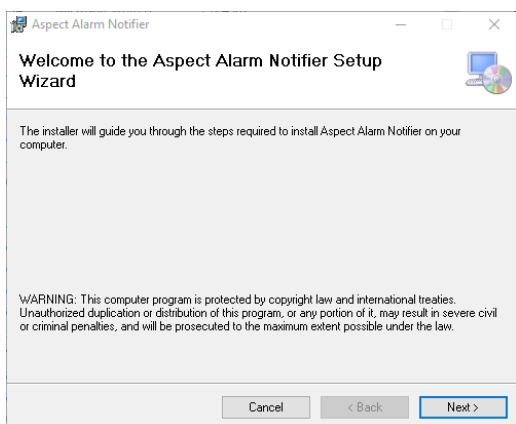
The **ASPECT® Alarm Notifier** is a **Windows System Tray** application that displays notifications when **alarms** are raised on multiple **ASPECT® Control Engine** targets.

Installation

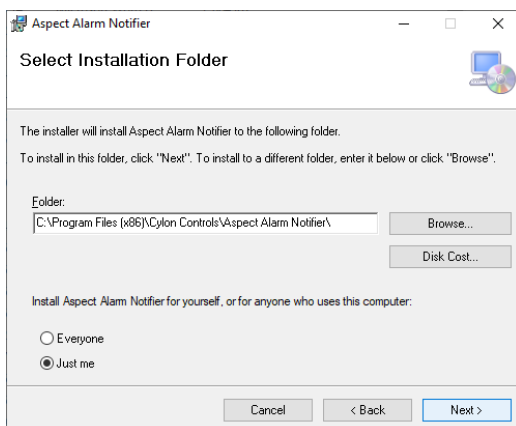
The **ASPECT® Alarm Notifier** is available from support.cylon.com or the [Cylon AutoMatrix Toolbox](#).

Download the file [AspectAlarmNotifierSetup_3_2_1.zip](#).

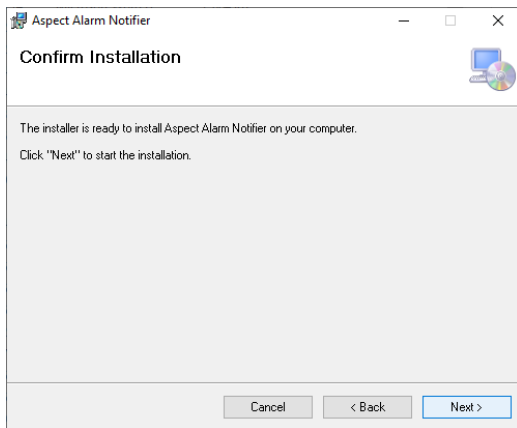
Unzip the downloaded file, and open the **msi** file that is extracted. This will run the installer:



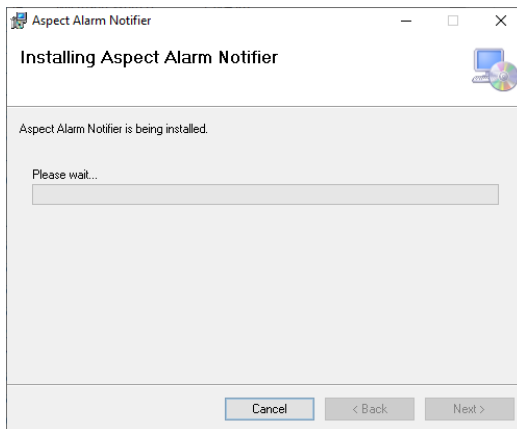
Click the **Next** button, then choose a location on your PC in which to install the software:



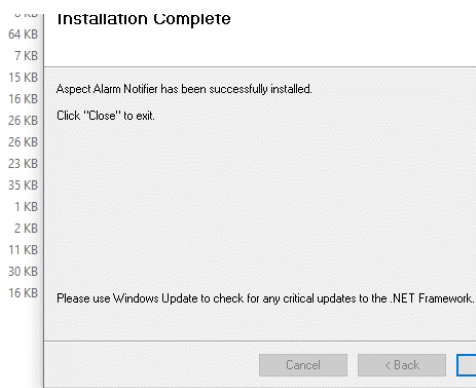
And click **Next**.



Click **Next** again to start the installation process:



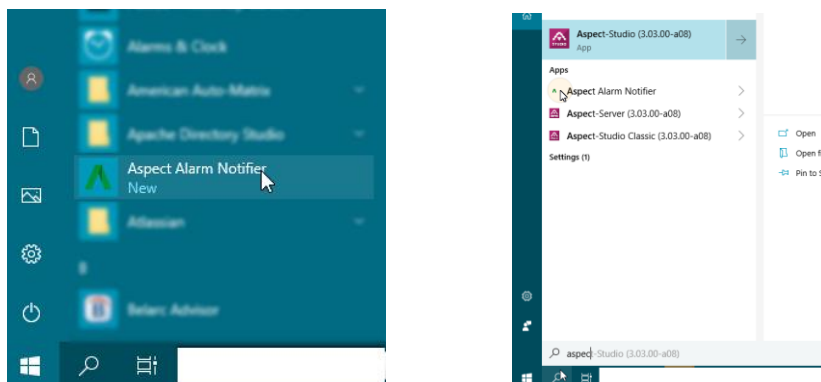
And when it is complete, click **Close**.



THE ALARM NOTIFIER IN THE WINDOWS SYSTEM TRAY

During installation the **ASPECT® Alarm Notifier** is added to the **Windows Startup** folder, (either for a specific user or all users on the PC, depending on the choice during installation) so that it starts automatically when the user logs on to **Windows** and is accessible from the **Windows System Tray**.

However, if the **Notifier** is exited, it can be restarted manually by finding the **Aspect Alarm Notifier** link in the **Windows Start Menu** or the **Windows Search** box.

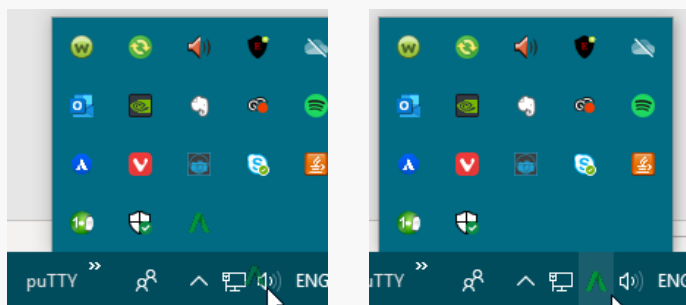


Note: Only one instance of **ASPECT® Alarm Notifier** can be run at a time.

In the **System Tray**, an icon will be displayed to represent the **Notifier**:



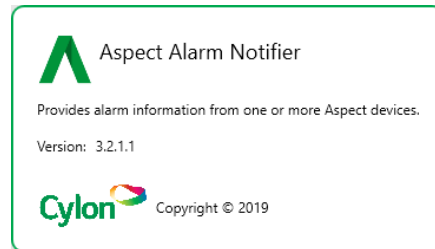
Note: This icon can be dragged into the main **Task Bar** for easy access, if required:



If you left-click on the icon, the **Alarms** Window will be displayed (see *The Alarms Window* on page 13)

Right-clicking on the icon displays a menu with the following options:

- **Alarms** opens the **Alarms** window (the same as clicking on the icon)
- **Settings** opens the settings window, see *Settings* on page 9.
- **About** shows the **About** box

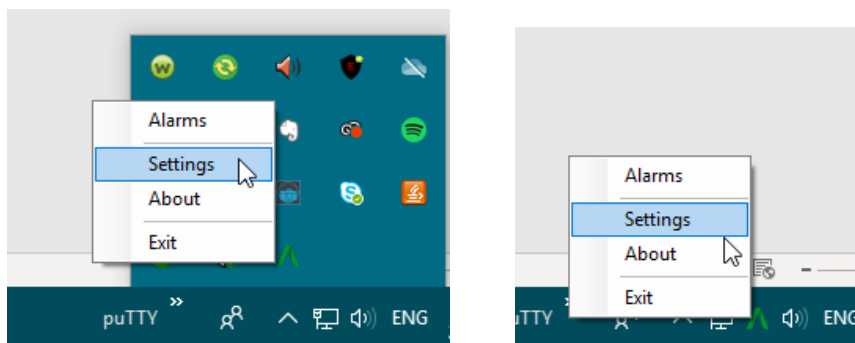


- **Exit** Closes the app and removes it from the **System Tray** .

SETTINGS

The **Settings** window defines the **Aspect Control Engine** “Target” devices that will be scanned for alarms, and the priorities of alarms that will be notified. It also configures how users will be alerted to **Alarms** when they arise.

To open the **Settings** window, right-click on the Aspect alarm notifier icon, in either the **Windows System Tray** or the **Windows Task Bar**, and select **Settings** :



The **Settings** window will be displayed:

Settings

When do you want sounds played?

What sound file should play on alarm?

What is the time between alarm sounds? seconds (applies when sound is Continuous)

HTTP Timeout to Targets? seconds

Aspect Targets

| Host Name | Port | User | Password | Interval | Priority Comparison | Priority |
|------------------------|------|-----------|------------|----------|---------------------|----------|
| kirk.corp.aamatrix.com | 7229 | jchabucos | (password) | 15 | Greater Than | 3 |
| kirk.corp.aamatrix.com | 7226 | jchabucos | (password) | 15 | Less Than | 50 |
| | | | | | | |

Note: The settings Window uses the new Microsoft paradigm of “live saving” of data - meaning that once a field is change, is it saved and acted upon. There are no Save or Cancel buttons.

Aspect Targets

In order for the **Notifier** to access alarms, you must set up a list of **Aspect Control Engine** “Target” devices for the Notifier to poll.

- To add a target, type in the blank row at the end of the list.
- To delete a row, choose the row press the delete key.
- To edit a row click in the field to be edited and change the text.

Each row contains the following fields:

Host Name - The DNS name or IP address of the target ACE.

Port - The port number to use when polling the target ACE.

User - The user (configured on the target ACE) with which to log in.

Password - The password for the specified **User**. The password is hidden, and if it is to be edited, it must be retyped in its entirety.

Interval - The interval between attempts to poll the target ACE.

Priority Comparison - Greater Than/ Less Than - The alarm will occur if the priority of the alarm is either greater than or less than the " **Priority** " setting.

Priority - Each alarm reported by the target ACE will be compared to this number. If the priority is either greater than or less than (as specified in **Priority Comparison**) the alarm will be notified to the user.

Audio Notification

It is possible to alert users to the detection of an alarm on any of the target ACEs using an audible sound. To configure this, put in values for the following settings in the **Settings** window:

When do you want sounds played?

The options are:

- **None** - No sound will be made on any alarm.
- **Once per new alarm** - The chosen sound will be played once for every new alarm (or alarms at the same instant)
- **Continuously / New alarms while snoozed** - The chosen sound will be played periodically. While snoozed, new alarms will get the sound played once per new alarm (or alarms at the same instant)
- **Continuously / Never on new alarms while snoozed** - The chosen sound will be played periodically. While snoozed, no sound will be played on a new alarm.
- Toast will also be displayed and new and non-dismissed alarms.

What sound file should play on alarm?

Choose a file from your PC's filesystem file. If the file does not exist or the file is not a valid audio file, a default audio sound of four beeps will play.



What is the time between alarm sounds?

This is the time between alarm sounds in **continuous mode** when not **snoozed**.

HTTP timeout to Targets?

This is the timeout that is used when trying to access the target ACEs. Ten seconds is reasonable and should be kept as default. However, in event of a slow network connection this can be extended on a per machine basis.

NOTIFICATIONS

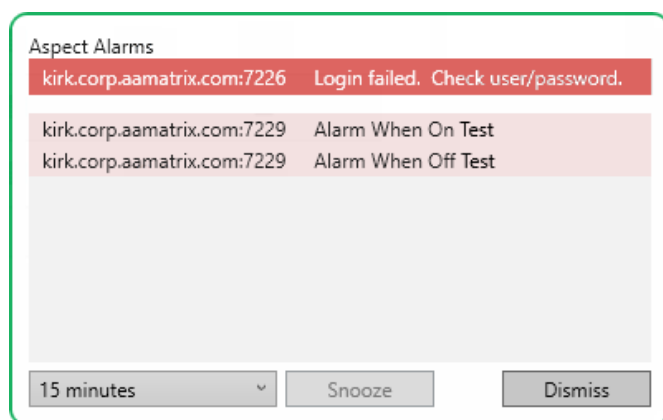
If there is an alarm on any **Aspect Target**, or if there is a communication failure to any **Aspect Target**, a 'Toast' window is briefly displayed and the System Tray icon will alternate every second between  and .

Optionally, a sound can also be played when an **alarm** is received.

"Toast" notification

The popup windows in Windows 10 around the system tray are called "toast notifications". They are not intended to give complete information, they simply alert the user that something is wrong.

When the toast window pops up, it will appear in the lower right corner of the primary monitor. It will be always on top, but will not take focus when it is initially shown. The user may also move the toast window if required, but any new toast popup will occur in the lower right of the primary monitor (the original location).



The "Toast" popup displays the following issues:

Communication Failures

Communication failures are displayed at the top of the toast window. If no failures exist, this line will not appear. Double clicking on a failure will show the alarms window.

Alarms

The alarms appear below the communication failures. The target and the name of the alarm is shown here. Double clicking on an alarm will show the alarms window.

Snooze

The duration combo box is filled with 5 minutes, 15 minutes or 60 minutes. The snooze button will be enabled if the sound mode in the settings window is set to one of the following:

- Continuously / New alarms while snoozed
- Continuously / Never on new alarms while snoozed

Dismiss

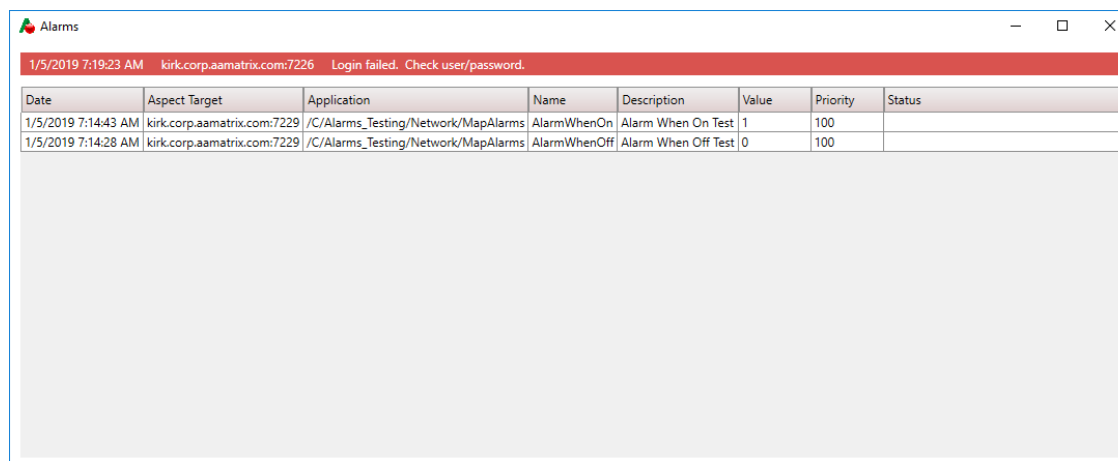
This button marks all the listed alarms and failures as "read". They will not appear again in the toast window, though they will still be visible in the **Alarms** window. When the **"Toast"** notification pops up again, it will display new alarms or communication failures. Dismissing the pop-up will stop any sound and it will not occur again until a new alarm.

THE ALARMS WINDOW

The **Alarms** Windows can be accessed by.

- clicking on the “**Toast**” notification
- right-clicking the **System Tray** menu and selecting **Alarms**
- clicking the **System Tray** icon

Communication failures are displayed as a red line above the list of alarms as shown below:

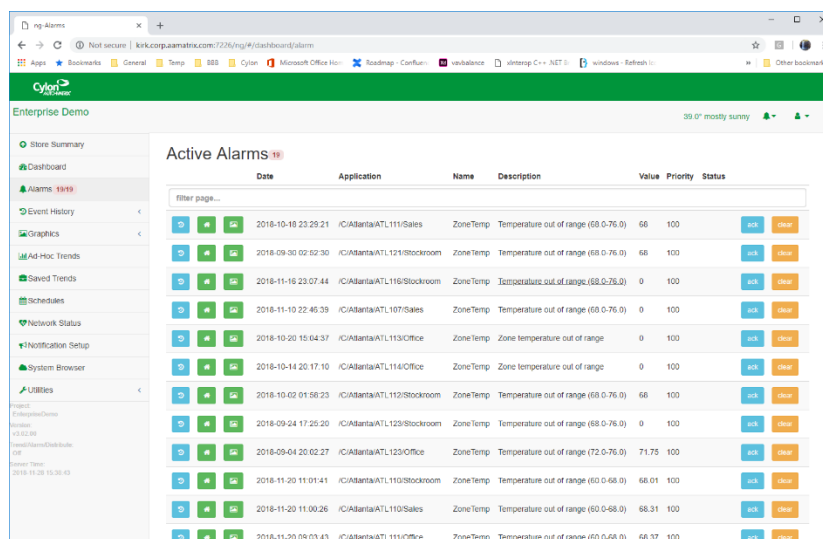


The screenshot shows a window titled "Alarms" with a red header bar containing the message: "1/5/2019 7:19:23 AM kirk.corp.aamatrix.com:7226 Login failed. Check user/password." Below this is a table with the following data:

| Date | Aspect Target | Application | Name | Description | Value | Priority | Status |
|---------------------|-----------------------------|-------------------------------------|--------------|---------------------|-------|----------|--------|
| 1/5/2019 7:14:43 AM | kirk.corp.aamatrix.com:7229 | /C/Alarms_Testing/Network/MapAlarms | AlarmWhenOn | Alarm When On Test | 1 | 100 | |
| 1/5/2019 7:14:28 AM | kirk.corp.aamatrix.com:7229 | /C/Alarms_Testing/Network/MapAlarms | AlarmWhenOff | Alarm When Off Test | 0 | 100 | |

This window will show only active alarms from all the configured **ACE Targets** devices.

The **Alarms** window has the same fields as the H5 (ngAdmin) **Active Alarms** page displayed on the **ACE**.



The screenshot shows the "Active Alarms" page in the H5 (ngAdmin) interface. It features a sidebar with navigation options and a main table of active alarms. The table has columns for Date, Application, Name, Description, Value, Priority, and Status. Each row includes a filter icon and buttons for "ack" and "clear".

| Date | Application | Name | Description | Value | Priority | Status |
|---------------------|----------------------------|----------|--------------------------------------|-------|----------|-----------|
| 2018-10-10 23:29:21 | /C/AtlantaATL111/Sales | ZoneTemp | Temperature out of range (68.0-76.0) | 68 | 100 | ack clear |
| 2018-09-30 02:52:30 | /C/AtlantaATL123/Stockroom | ZoneTemp | Temperature out of range (68.0-76.0) | 68 | 100 | ack clear |
| 2018-11-16 23:07:44 | /C/AtlantaATL116/Stockroom | ZoneTemp | Temperature out of range (68.0-76.0) | 0 | 100 | ack clear |
| 2018-11-10 22:46:39 | /C/AtlantaATL107/Sales | ZoneTemp | Temperature out of range (68.0-76.0) | 0 | 100 | ack clear |
| 2018-10-20 15:04:37 | /C/AtlantaATL113/Office | ZoneTemp | Zone temperature out of range | 0 | 100 | ack clear |
| 2018-10-14 20:17:10 | /C/AtlantaATL114/Office | ZoneTemp | Zone temperature out of range | 0 | 100 | ack clear |
| 2018-10-02 01:58:23 | /C/AtlantaATL112/Stockroom | ZoneTemp | Temperature out of range (68.0-76.0) | 68 | 100 | ack clear |
| 2018-09-24 17:25:20 | /C/AtlantaATL123/Stockroom | ZoneTemp | Temperature out of range (68.0-76.0) | 0 | 100 | ack clear |
| 2018-09-04 20:02:27 | /C/AtlantaATL123/Office | ZoneTemp | Temperature out of range (72.0-76.0) | 71.75 | 100 | ack clear |
| 2018-11-20 11:01:41 | /C/AtlantaATL110/Stockroom | ZoneTemp | Temperature out of range (60.0-68.0) | 66.01 | 100 | ack clear |
| 2018-11-20 11:00:26 | /C/AtlantaATL110/Sales | ZoneTemp | Temperature out of range (60.0-68.0) | 66.31 | 100 | ack clear |
| 2018-11-20 09:03:43 | /C/AtlantaATL111/Office | ZoneTemp | Temperature out of range (60.0-68.0) | 66.37 | 100 | ack clear |

You can jump to the H5 (ngAdmin) **Active Alarms** page associated with the alarm on the target **ACE** by double-clicking on an alarm. From here, you can acknowledge or clear alarms and print the alarm list for that target.

Note: If you already have a browser instance that is logged in, you will go directly to the Active Alarms page.

If you are not logged in, you be required to log in web page.

Double-clicking on a **Communications failure** will not result in any action.

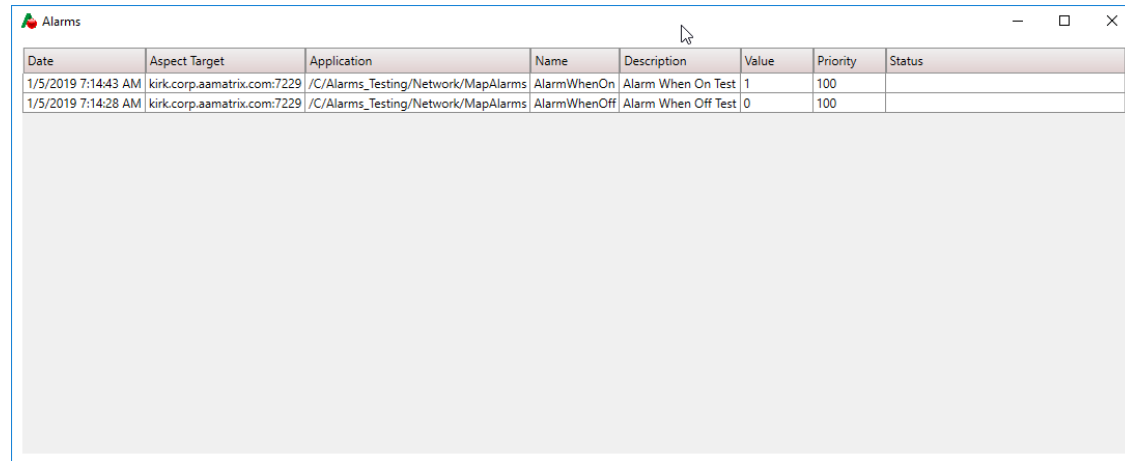
Acknowledged alarms will appear with the "Ack" in the Status similar to the H5 interface.

Cleared alarms will not appear (similar to the H5 (ngAdmin) interface).

There is an additional " **Aspect Target** " field that shows the source of the alarm.

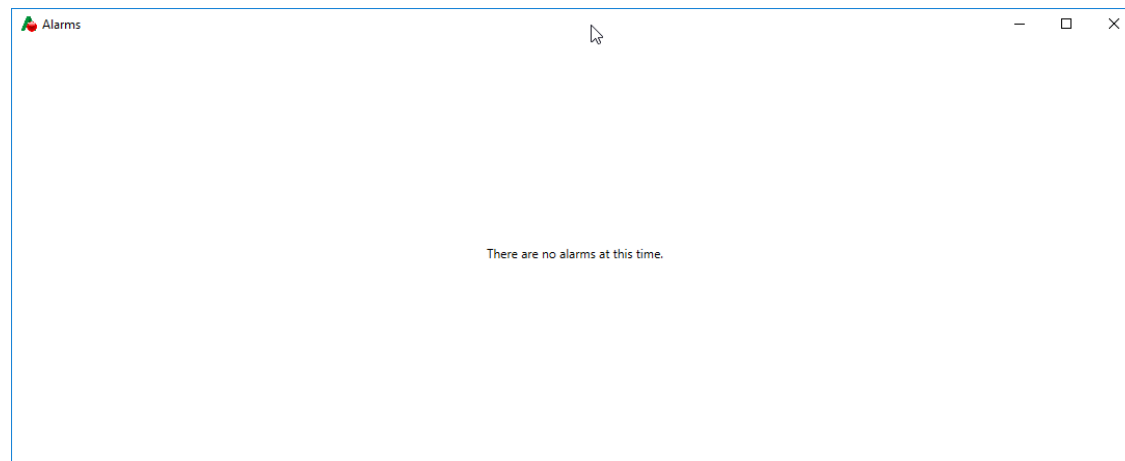
You can sort the alarm table by any column. By default they are sorted by date, starting from the most recent to the earliest.

If there are no communication failures, you will see the following:



| Date | Aspect Target | Application | Name | Description | Value | Priority | Status |
|---------------------|-----------------------------|-------------------------------------|--------------|---------------------|-------|----------|--------|
| 1/5/2019 7:14:43 AM | kirk.corp.aamatrix.com:7229 | /C/Alarms_Testing/Network/MapAlarms | AlarmWhenOn | Alarm When On Test | 1 | 100 | |
| 1/5/2019 7:14:28 AM | kirk.corp.aamatrix.com:7229 | /C/Alarms_Testing/Network/MapAlarms | AlarmWhenOff | Alarm When Off Test | 0 | 100 | |

If there are no communication failures or alarms, you will see the following:





UNITED STATES

PENNSYLVANIA
ONE TECHNOLOGY LANE
EXPORT, PA 15632

NEW HAMPSHIRE
25 SUNDIAL AVE - SUITE 310W
MANCHESTER, NH 03103

T (724) 733-2000
F (724) 327-6124
E CONTACTUS@CYLON.COM

IRELAND

CYLON CONTROLS LTD
CLONSHAUGH BUSINESS &
TECHNOLOGY PARK
CLONSHAUGH
DUBLIN 17
IRELAND
T + 353 1 245 0500
F + 353 1 245 0501
E INFO@CYLON.COM

UK

CYLON CONTROLS UK LTD
BIRMINGHAM BUSINESS PARK
1310, SOLIHULL PARKWAY
BIRMINGHAM
WEST MIDLANDS
B37 7YB
UNITED KINGDOM
T + 44 870 178 1800
F + 44 870 403 6570
E INFO@CYLON.COM

WWW.CYLON-AUTOMATRIX.COM
WWW.CYLON.COM