

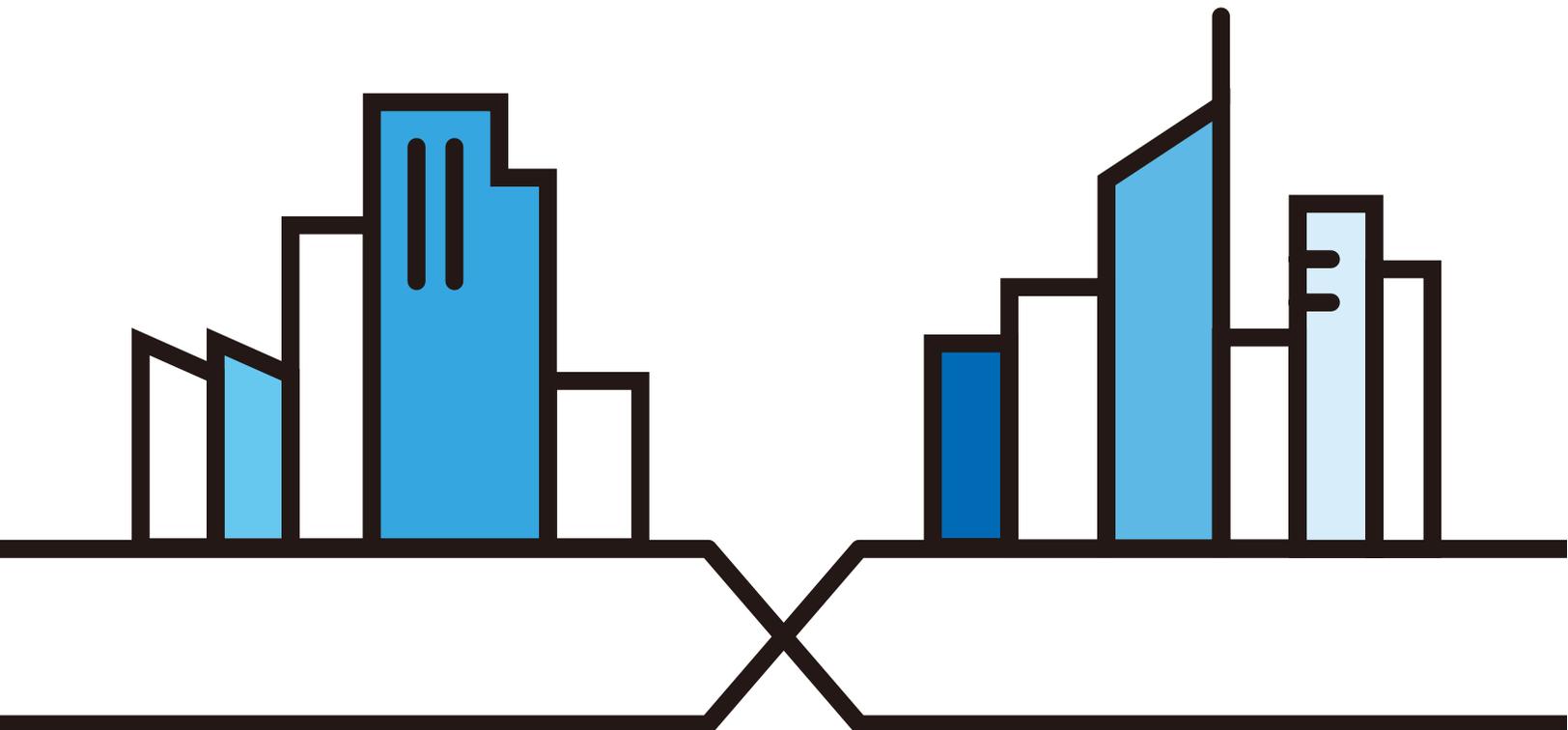
User's Guide

ZyWALL USG SecuReporter

Default Login Details

Login URL	https://secureporter.cloudcnm.zyxel.com
User Name	myZyxel.com User Name
Password	myZyxel.com Password

Version 0.13.0 8/2018



IMPORTANT!

READ CAREFULLY BEFORE USE.

KEEP THIS GUIDE FOR FUTURE REFERENCE.

Screenshots and graphics in this book may differ slightly from what you see due to differences in release versions or your computer operating system. Every effort has been made to ensure that the information in this manual is accurate.

Note: The version number on the cover page refers to the latest version supported.

Related Documentation

- User's Guides

Go to support.zyxel.com to get a supported Zyxel Device User's Guide to see how to configure SecuReporter using the Web Configurator on the Zyxel Device.

Go to support.zyxel.com to get a supported Zyxel Device Command Line Interface (CLI) Reference Guide to see how to configure SecuReporter using the CLI on the Zyxel Device.

Go to support.zyxel.com to get a myZyxel.com User's Guide to see how to register your Zyxel Device and activate a license.

- More Information

Go to support.zyxel.com to find other information on SecuReporter.



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CHAPTER 1

Introduction

1.1 Overview

SecuReporter is a cloud-based analytics tool that is part of the Cloud CNM suite developed by Zyxel. It aggregates logs of supported Zyxel Device across distributed locations, giving network administrators a centralized view of security events and flow data.

SecuReporter can collect data from different types of Zyxel Device models, including the Zyxel Security Gateway/AP/Switch series, with up to 40,000 units supported simultaneously.

SecuReporter supports the following Zyxel Devices, with firmware version 4.32 and later, at the time of writing:

- USG20-VPN
- USG40W
- USG110
- USG1100
- ZyWALL110
- ATP200
- USG20W-VPN
- USG60
- USG210
- USG1900
- ZyWALL310
- ATP500
- USG40
- USG60W
- USG310
- USG2200
- ZyWALL1100
-

Reports are generated using security intelligence techniques and automated data correlation with real-time traffic analytics, as opposed to merely relying on static and predefined rules. Insights relevant to a network's security environment are available at a glance on an intuitive dashboard.

Note: Reports are not available at the time of writing.

A Zyxel Device owner can register a Zyxel Device at myZyxel. Only an owner can add Zyxel Devices to an organization. However, an owner can assign other people to manage Zyxel Devices

This table summarizes SecuReporter privileges at each level of the model:

Table 1 SecuReporter Management Privileges

ROLE TYPE	SIGN IN AT MYZYXEL?	PRIVILEGES
(Owner)	Yes	<ul style="list-style-type: none">• Can add/delete Zyxel Devices to/from an organization• Can add/edit organizations• Can add/edit admin/user accounts• Can configure alert notifications• Can configure dashboard widgets• Can configure analyses and reports
Admin	Yes	<ul style="list-style-type: none">• Can add/edit organizations• Can add/edit admin/user accounts• Can configure alert notifications• Can configure dashboard widgets• Can configure analyses and reports

Table 1 SecuReporter Management Privileges

ROLE TYPE	SIGN IN AT MYZYXEL?	PRIVILEGES
User	Yes	<ul style="list-style-type: none"> • Can configure dashboard widgets • Can view analyses and report • Can configure alert notifications
None	No	<ul style="list-style-type: none"> • Can receive alert notifications and reports

1.1.1 License Options

You can use SecuReporter with a free 30-day Trial license or buy a 1-year Standard license. All features are available for both licenses. You will receive a renewal notification before either expires. In addition, for the standard license, you will have an extra 15 day grace period to renew.

Note: SecuReporter will automatically delete logs when a license has expired

Table 2 SecuReporter Features

FEATURES	FEATURES	FEATURES
Devices > Devices (Map)	Analyzer > Security Indicators	Alerts > Trend & Details
Devices > Threat Map	Analyzer > Traffic	Alerts > Configuration
Dashboard	Analyzer > Users	Settings > Organization & Devices
Dashboard Widgets	Analyzer > Device Details	Settings > User Account

1.2 Getting Started

To set up SecuReporter:

- You must enable SecuReporter on a supported Zyxel Device. Refer to the User's Guide of the supported Zyxel Device for instructions.
- Register the Zyxel Device(s) using the same myZyxel account. To open an account at MyZyxel, go to <https://portal.myzyxel.com> and click **Sign Up**.
- After you register the Zyxel Device(s), follow the on-screen instructions to activate the SecuReporter license for the registered Zyxel Devices.

Once you're in the SecuReporter web portal, configure an organization with the Zyxel Device(s).

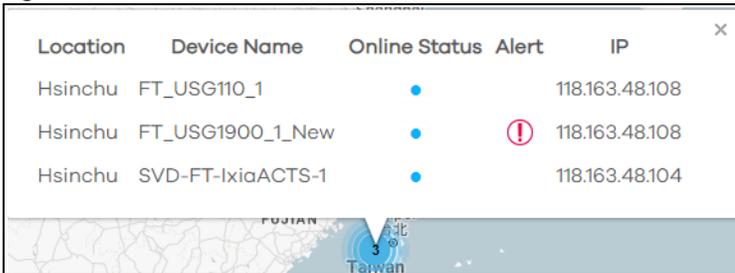
Note: See [Section 4.1 on page 28](#) for an overview of how to get started using SecuReporter.

1.3 Maps > Devices

Click **Map > Devices** to view your Zyxel Device(s) on an interactive map.

Click on a location to display its city-level location, the device name, online status, alert status, and the IP address.

Figure 1 Click Location



Location	Device Name	Online Status	Alert	IP
Hsinchu	FT_USG110_1	●		118.163.48.108
Hsinchu	FT_USG1900_1_New	●	!	118.163.48.108
Hsinchu	SVD-FT-IxiaACTS-1	●		118.163.48.104

Click in this screen to open up the **Dashboard**, which displays data sent from the Zyxel Device. (Refer [Section 1.5 on page 9](#) for information about the **Dashboard**. An alert is a notification about a potential security problem.

On the **Devices** map, pin color indicates the status of the Zyxel Device:

Table 3 Network Sites Color Table

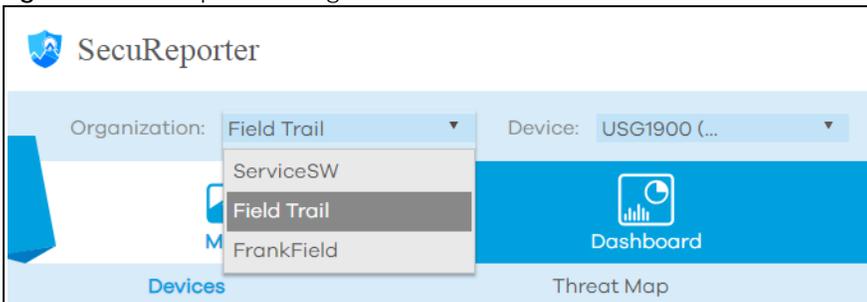
PIN COLOR	STATUS
Blue	Online
Gray	Offline

Pins also display notifications if events or alarms are triggered by a Zyxel Device at the location. To view the latest status of the Zyxel Device(s) in the network, manually refresh the page.

When there is more than one Zyxel Device in a single location, a list of Zyxel Devices will be available to choose from.

For MSSPs that manage multiple organizations, a drop-down list of organizations will be present at the top left corner of the menu bar. When an organization is selected, the Zyxel Device(s) under that organization will appear to the right.

Figure 2 SecuReporter > Organizations/Devices



1.4 Map > Threat Map

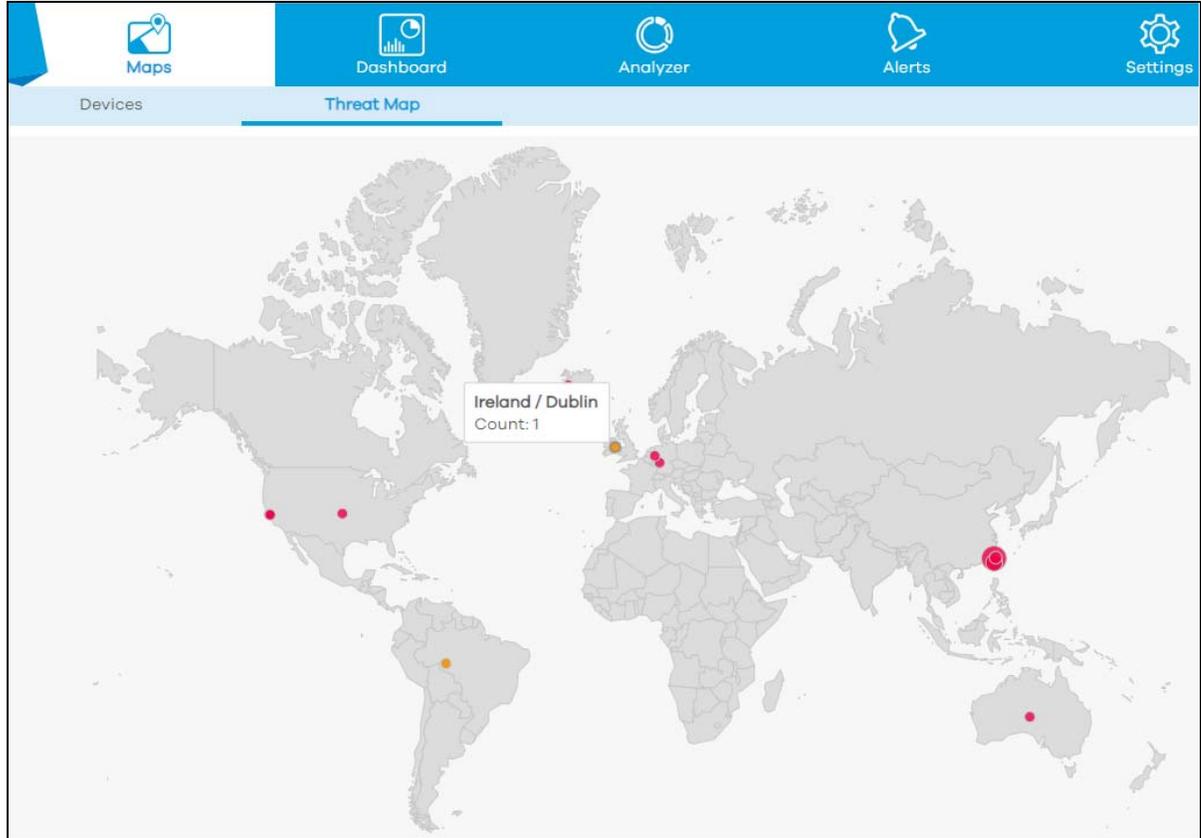
Click **Map > Threat Map** to view the origins of attack packets detected by SecuReporter over the last 7 days.

The map pins identify the locations from which threats had originated. Pin color indicates the frequency of the attacks. A bigger pin means more threats.

Table 4 Threat Map Color Table

PIN COLOR	FREQUENCY
Red	Top 10 in attack frequency over the last 7 days
Orange	Other origins of threats over the last 7 days

Figure 3 Map > Threat Map



1.4.1 Map > Threat Map > Details

Click on a pin on the **Threat Map** to view more information about the threat(s) detected from that location.

Figure 4 Map > Threat Map > Details

Taiwan / Taipei				
Timestamp	Attack Type	Severity	Hits	Attack IP
2018.08.10 12:25:17	ADP	2	1	2404:6800:4008:802::2001
2018.08.10 12:23:30	ADP	2	1	2404:6800:4008:802::2003
2018.08.10 12:23:30	ADP	2	1	2404:6800:4008:802::2002
2018.08.10 12:18:00	ADP	2	1	2404:6800:4008::7
2018.08.10 12:17:59	ADP	2	1	2404:6800:4008:800::2002
2018.08.10 12:17:59	ADP	2	1	2404:6800:4008::7
2018.08.10 12:17:58	ADP	2	2	2404:6800:4008:800::2002
2018.08.10 12:17:58	ADP	2	1	2404:6800:4008::7
2018.08.10 12:17:58	ADP	2	1	2404:6800:4008:802::2006
2018.08.10 10:30:53	ADP	2	1	2404:6800:4008:802::200e
2018.08.10 08:59:46	ADP	2	1	2404:6800:4008:802::200e
2018.08.10 08:59:45	ADP	2	1	2404:6800:4008:802::200e
2018.08.09 16:39:47	ADP	2	1	2404:6800:4008:803::2016
2018.08.09 16:39:44	ADP	2	1	2404:6800:4008:802::2003
2018.08.09 16:39:44	ADP	2	2	2404:6800:4008:801::2002

Page 1 of 2

The following table describes the labels on this screen.

Table 5 Map > Threat Map > Details

LABEL	DESCRIPTION
Timestamp	This displays the year-month-date hour : minute that the threat was detected. Click to sort the table in order of the date and time that the threats were detected.
Attack Type	This displays the type of attack that was detected coming from the site. Common types of attacks include ADP, IDP, Malware (Anti Virus), and spam. Click the arrow to arrange the threats by the alphabetical order of their attack type.
Severity	<p>This displays each threat's severity as represented by a number from 1 to 5 (1= least severe, 5 = most severe). Click to order the list of threats based on their severity level.</p> <p>These are the severities as defined by the Zyxel Device.</p> <ul style="list-style-type: none"> Severe (5): These denote attacks that try to run arbitrary code or gain system privileges. High (4): These denote known serious vulnerabilities or attacks that are probably not false alarms. For example, botnets, compromised, malware, phishing & fraud sites. Botnet means the Botnet Command and Control (C&C) Server only and not the group of infected Botnet clients. Medium (3): These denote medium threats, access control attacks or attacks that could be false alarms. For example, spam sites. Low (2): These denote mild threats or attacks that could be false alarms. For example, anonymizers (a tool that attempts to make activity on the Internet untraceable). Very Low (1): These denote possible attacks caused by traffic such as Ping, trace route, ICMP queries, network errors and so on.
Hits	This displays the number of times a single threat was sent from a site and blocked by the Zyxel Device. Click the arrow to arrange the threats by the number of hits.
Attack IP	This displays each threat's source IP. Click the arrow to order the threats by their source IP.

1.5 Dashboard

The **Dashboard** shows widgets with key facts about your network's security environment that were collected by SecuReporter in the last seven days, 24 hours or one hour. To change the time frame, click the drop-down list on the top right of the screen and select **Last 7 Days**, **Last Hour** or **Last 24 hours**.

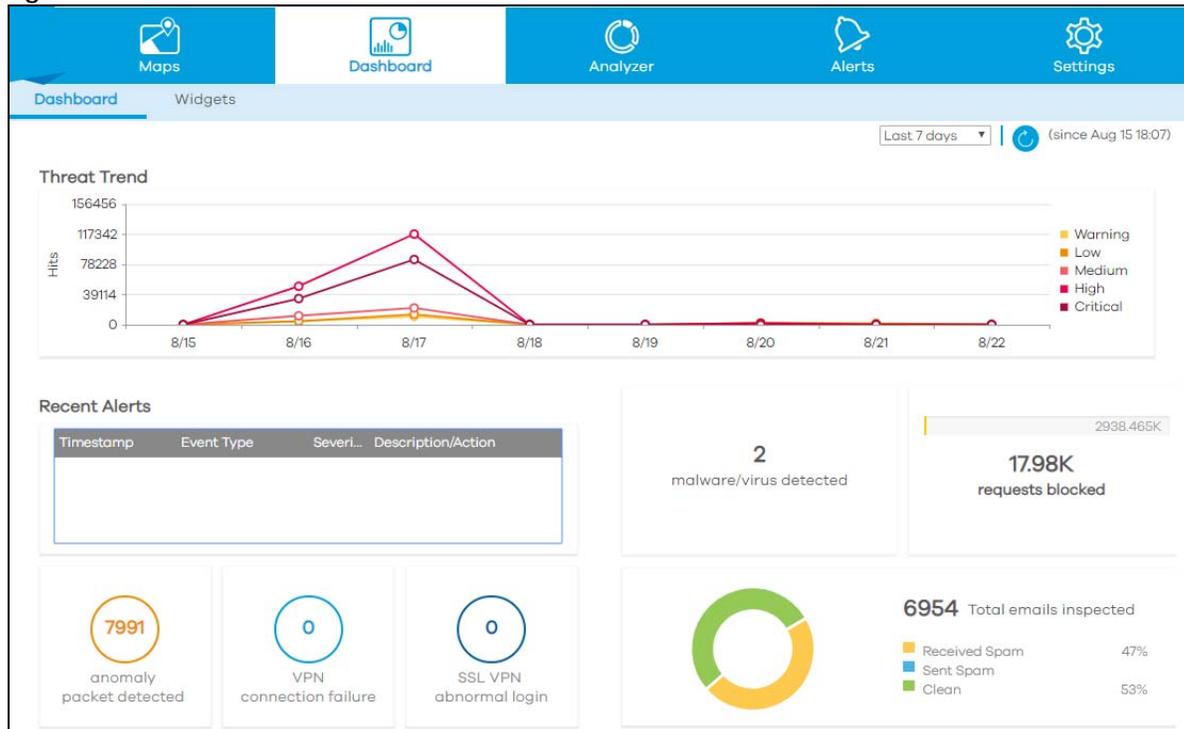
You need to create an organization with at least one Zyxel Device for information to display in the Dashboard - go to **Settings > Organization & Devices > Add Organization**.

By default, the dashboard will have the **Recent Alerts**, **Threat Trend**, and a widget showing total malware/viruses detected, requests blocked and email inspection details. Go to **Dashboard > Widgets** if you want to display other widgets here.

Widgets are miniature views of SecuReporter's data visualizations, the full versions of which are available under the **Analyzer** tab. For descriptions of each widget, see [Section 1.6 on page 10](#).

Drag and drop widgets to rearrange them on the screen.

Figure 5 Default Dashboard



The following table describes the widgets on the default dashboard:

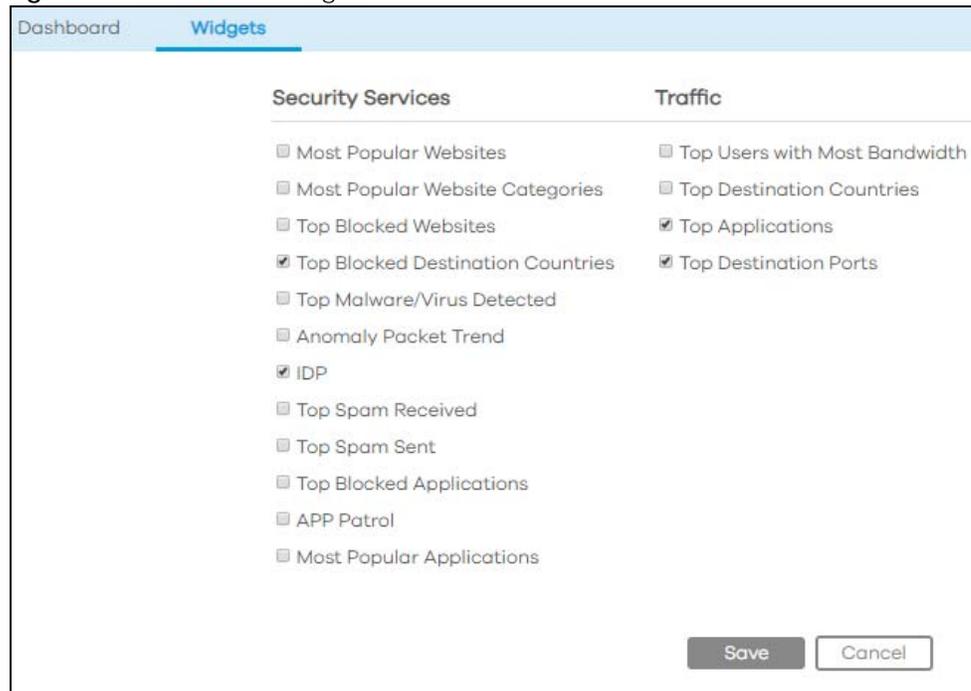
Table 6 Default Dashboard

LABEL	DESCRIPTION
Recent Alerts	This is an overview of the latest alerts sent to administrators of a network. A table provides an at-a-glance overview of the most recent alerts. Circle counters show the number of anomaly packets detected, VPN connection failures, and SSL VPN abnormal logins over a specified interval.
Threat Trend	This graph shows changes in the number of threats that a network encounters over a selected time frame. Each line represents the trend in threats of a specific severity level. All lines show by default. Click on a color block to hide its corresponding trend line.
Malware/virus detected, requests blocked and emails inspected	This widget shows total malware/viruses detected, requests blocked and email inspection details. Click on individual statistics in the widget to drill down to information generated by the SecuReporter Analyzer .

1.6 Dashboard > Widgets

To customize the information on your dashboard, click **Dashboard > Widgets** and select from the list of widgets to suit your needs.

Figure 6 Dashboard > Widgets



CHAPTER 2

Analyzer

2.1 Overview

Analyzer is a set of charts, tables, and other visualizations of data collected from Zyxel Device(s). Analyzer provides a big-picture overview of network activity, while making it easy to “drill down” into granular detail on what users are doing.

In the **Analyzer** section, the charts can be clicked to reveal event records, which are clickable to display more details. Charts can also be connected to the Dashboard as widgets (see [Section 1.6 on page 10](#)).

In most cases, you can choose to analyze data collected over one of three time frames: the last hour, the last 24 hours, and the last 7 days.

Analyzer contains the following tabs:

- Security Indicators
- Traffic
- Users
- Device Details

2.2 Analyzer Overview

Data is displayed in the **Analyzer** menus as follows.

Table 7 Analyzer Overview

TAB	DATA
Security Indicators	<ul style="list-style-type: none"> • Security <ul style="list-style-type: none"> • Threat Trend • Anomaly Packet Trend • Top Malware/Virus Detected • IDP • Top Spam Received • Top Spam Sent • Top Security Threat Website Categories • Top Security Threat Websites • Management <ul style="list-style-type: none"> • Most Popular Website Categories • Most Popular Websites • Most Popular Applications • APP Patrol • Blocking <ul style="list-style-type: none"> • Top Blocked Applications • Top Blocked Destination Countries • Top Blocked Websites
Traffic	<ul style="list-style-type: none"> • Top Users with Most Bandwidth • Top Destination Countries • Top Applications • Top Destination Port
Users	<ul style="list-style-type: none"> • Username Search <ul style="list-style-type: none"> • Security Events • Application Usage • Website Usage • Top Destination Countries • Login/Logout History
Device Details	<ul style="list-style-type: none"> • Device Information • Security Service Licenses • CPU/Memory Usage Trend • Concurrent Sessions • GE1-8 Traffic Usage Trend • VLAN14-20 Traffic Usage Trend

Click **Analyzer > Security Indicators** to show data visualizations related to the network's security, management and what was blocked. The following screens will be displayed.

2.3 Security Indicators

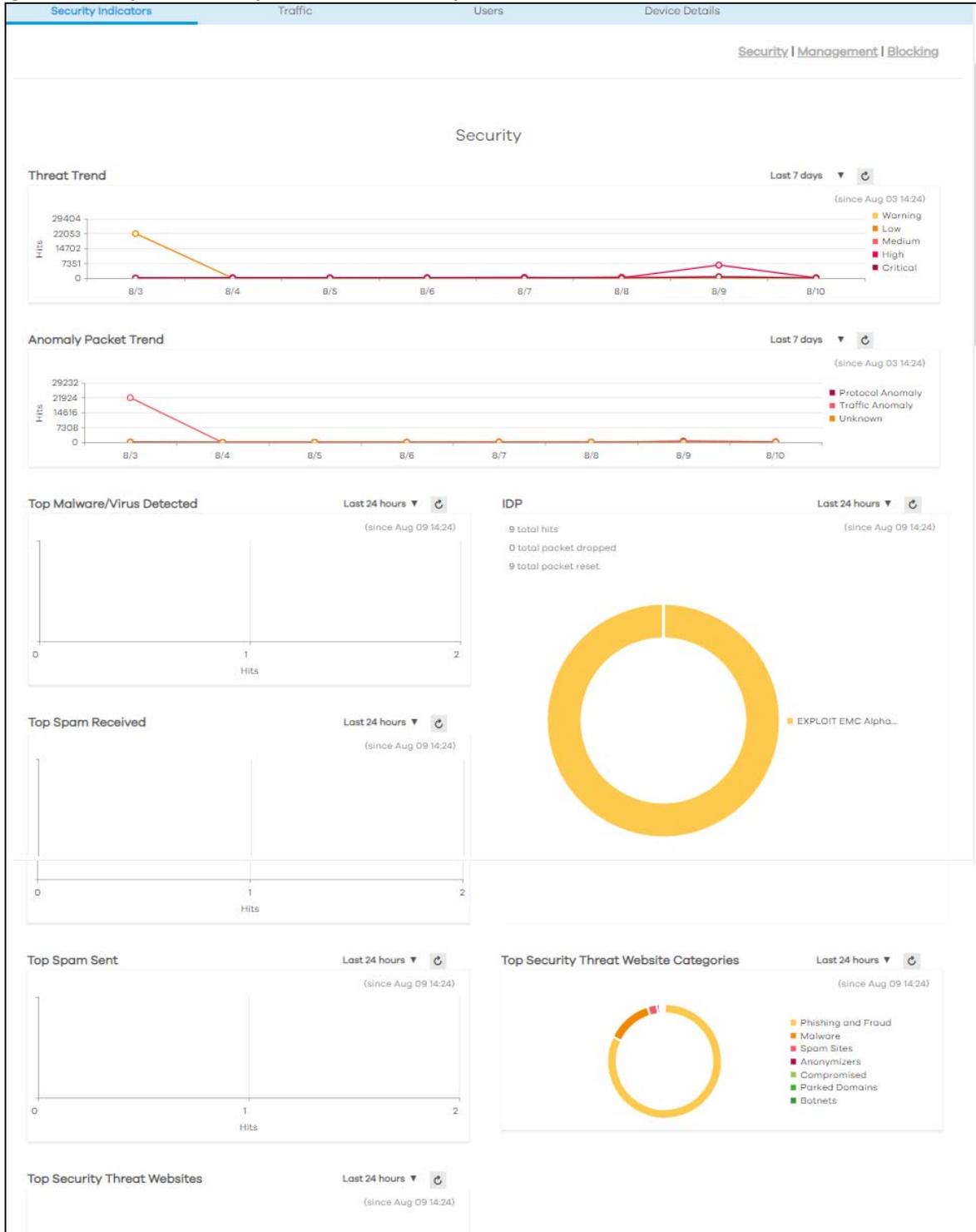
Security Indicators data visualizations are categorized as:

- Security
- Management
- Blocking

2.3.1 Security Indicators > Security

The following figure shows the **Analyzer > Security Indicators > Security** data visualizations.

Figure 7 Analyzer > Security Indicators > Security



The following table describes the labels on the **Analyzer > Security Indicators > Security** screen.

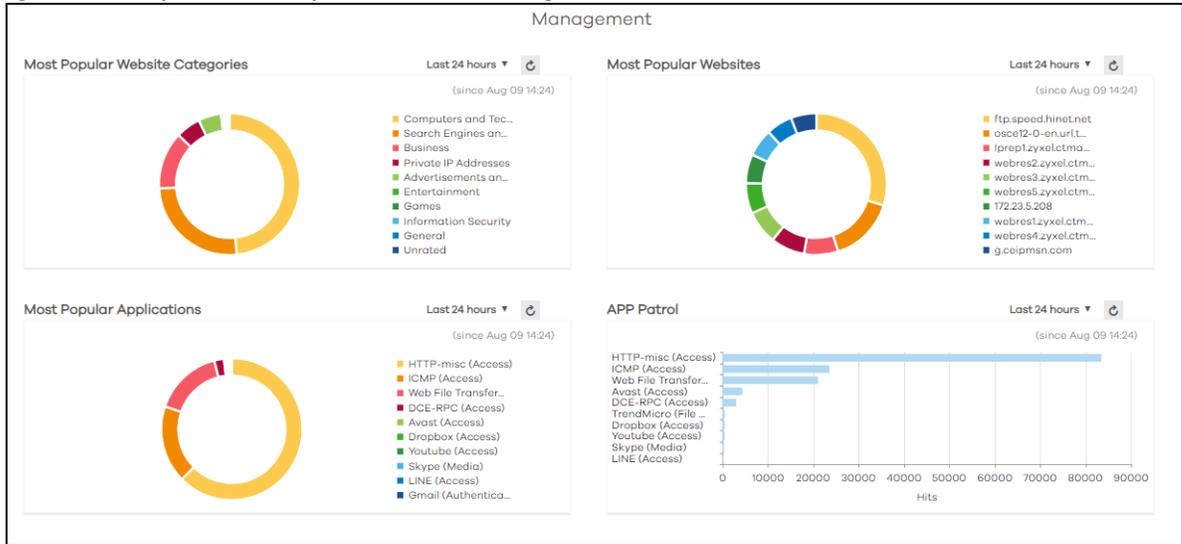
Table 8 Analyzer > Security Indicators > Security

LABEL	DESCRIPTION
Threat Trend	<p>This chart displays patterns in threats by severity level.</p> <p>Move your cursor over a trend line to display the number of threats encountered over time, and click on any line to display details. To hide the trend line for a severity level, click on its corresponding color block on the right of the chart.</p> <p>These are the severities as defined by the Zyxel Device.</p> <ul style="list-style-type: none"> Severe (5): These denote attacks that try to run arbitrary code or gain system privileges. High (4): These denote known serious vulnerabilities or attacks that are probably not false alarms. For example, botnets, compromised, malware, phishing & fraud sites. Medium (3): These denote medium threats, access control attacks or attacks that could be false alarms. For example, spam sites. Low (2): These denote mild threats or attacks that could be false alarms. For example, anonymizers (a tool that attempts to make activity on the Internet untraceable). Very Low (1): These denote possible attacks caused by traffic such as Ping, trace route, ICMP queries, network errors and so on.
Anomaly Packet Trend	<p>This chart displays patterns in anomalies detected by the Zyxel Device(s). Anomalies are based on violations of protocol standards (RFCs – Requests for Comments) or abnormal flows such as port scans.</p> <p>Click to display details about the traffic anomalies, including when they were detected, their source IP, user, and type.</p>
Top Malware/Virus Detected	<p>This chart displays the most common malware and viruses detected and blocked by the Zyxel Device.</p> <p>Click to display details about the specific websites that were blocked.</p>
IDP	<p>This chart displays malicious or suspicious packets detected by IDP in the Zyxel Device(s). IDP (Intrusion, Detection and Prevention) uses signatures to detect malicious or suspicious packets to protect against network-based intrusions.</p> <p>Click to display details about the intrusions, including the top 10 users affected.</p>
Top Spam Received	<p>This chart displays the most common traffic classified as spam received by the Zyxel Device(s).</p> <p>Click to display details about the spam, including their top 10 recipients.</p>
Top Spam Sent	<p>This chart displays the most common traffic classified as spam sent from the Zyxel Device(s).</p> <p>Click to display details about the spam traffic source.</p>
Top Security Threat Website Categories	<p>This chart displays the most common types of threats posed by websites blocked by the Zyxel Device(s). Threat categories include Malware, Spam Sites, Anonymizers, Phishing and Fraud, Botnets, and Parked Domains. Botnet means the Botnet Command and Control (C&C) Server only and not the group of infected Botnet clients.</p> <p>Click to display details about the specific websites that were blocked.</p>
Top Security Threat Websites	<p>This chart displays the most common types of threats posed by websites blocked by the Zyxel Device.</p> <p>Click to display details about the specific websites that were blocked.</p>

2.3.2 Security Indicators > Management

The following figure shows the **Analyzer > Security Indicators > Management** data visualizations.

Figure 8 Analyzer > Security Indicators > Management



The following table describes the labels on the **Analyzer > Security Indicators > Management** screen.

Table 9 Analyzer > Security Indicators > Management

LABEL	DESCRIPTION
Most Popular Website Categories	This chart displays the most common website categories accessed via the Zyxel Device(s). Click to display details about the specific websites that were blocked.
Most Popular Websites	This chart displays the most common websites accessed via the Zyxel Device(s). Click to display details about the websites accessed and the users logged in at the time of access.
Most Popular Applications	This chart displays the most commonly used applications accessed via the Zyxel Device(s). Click to display details about the applications accessed and the users logged in at the time of access.
APP Patrol	This chart displays the most frequently visited applications as detected by Zyxel Application Patrol. APP Patrol manages general protocols (for example, HTTP and FTP), instant messenger (IM), peer-to-peer (P2P), Voice over IP (VoIP), streaming (RSTP) applications and even an application's individual features (like text messaging, voice, video conferencing, and file transfers). Click to display details about the traffic detected by APP Patrol .

2.3.3 Security Indicators > Blocking

The following figure shows the **Analyzer > Security Indicators > Blocking** data visualizations.

Figure 9 Analyzer > Security Indicators > Blocking



The following table describes the labels on the **Analyzer > Security Indicators > Blocking** screen.

Table 10 Analyzer > Security Indicators > Blocking

LABEL	DESCRIPTION
Top Blocked Applications	This chart displays the 10 applications that were blocked the most frequently by the Zyxel Device(s). Click to display details about the specific applications that were blocked.
Top Blocked Websites	This chart displays websites most often blocked by the Zyxel Device(s). Click to display details about the websites accessed and the users logged in at the time of access.
Top Blocked Destination Countries	This chart displays a list of countries to which the most Internet traffic was denied, along with the number of hits per destination country. Click to display details about the outbound traffic blocked by the Zyxel Device(s).

2.4 Users

Analyzer allows administrators to look up network activity by user. To perform a search, click **Analyzer > Users**.

In the field at the top of the screen, enter a **user name** and press **Search**. You may also enter a partial term to generate a list of matching results.

Figure 10 Analyzer > Users

The screenshot shows the 'Users' tab in the Analyzer interface. At the top, there are three tabs: 'Traffic', 'Users' (selected), and 'Device Details'. Below the tabs is a 'Username Search' section with a text input field and a 'Search' button. Below the search bar is a table with the following data:

	Username
1	ZT02708
2	ZT01801
3	admin
4	ZT02531
5	ZT02646

At the bottom of the table, there is a pagination control showing 'Page 1 of 1'.

2.4.1 Users > Details

Click on an entry in your search results to open up a report of the user's recent security events, application usage, website usage, top destination countries, and login/logout history.

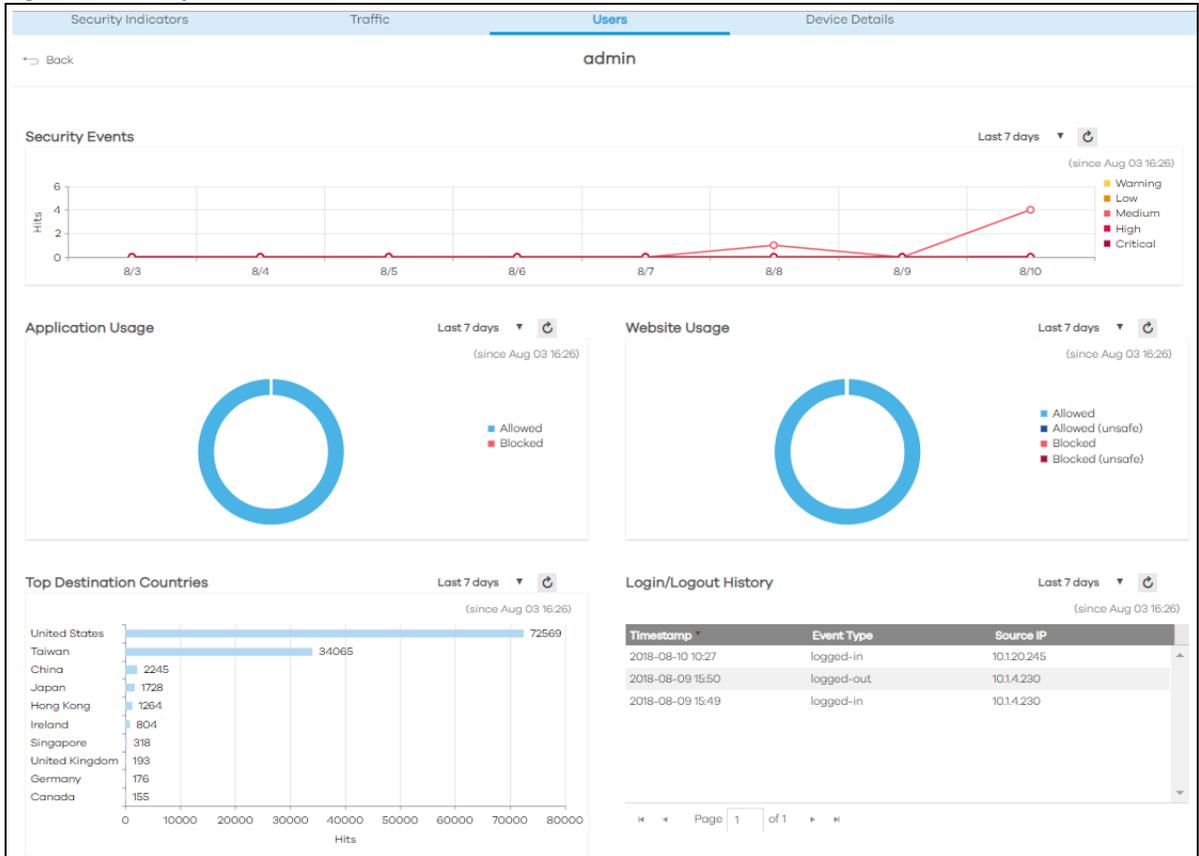
Security events include anomalies, app patrol, malware, spam, threats (IDP), unsafe websites, and web protection (websites blocked by content filter policies). The following figure shows severity levels for security events.

Figure 11 Security Events Severity Levels

Security Event	Severity Definition
IDP	IDP: highest is 5, lowest is 1 Severity from 1~5
Malware	severity 4
Spam	Severity 3
unsafe website access	For these categories, severity is level 4 <ul style="list-style-type: none"> • Botnets • Compromised • Malware • Phishing & Fraud <ul style="list-style-type: none"> • Spam Sites : severity 3 • Anonymizers : severity 2 • Network Errors: severity 1
anomaly	• severity 2

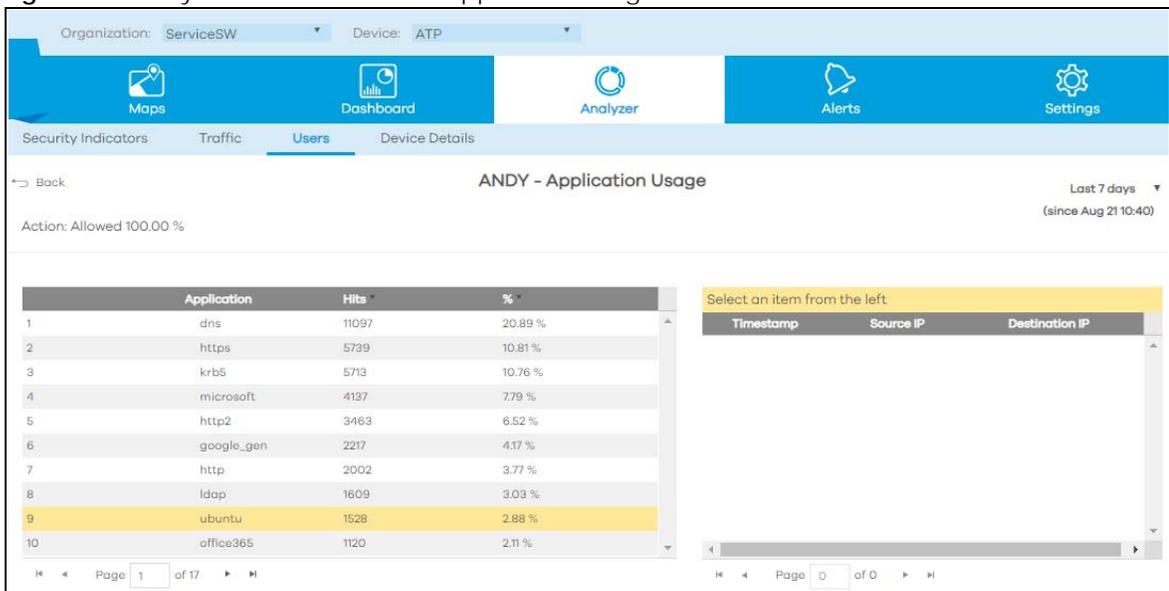
Select a **Username** in **Analyzer > Users** to display the following figure.

Figure 12 Analyzer > Users > Details



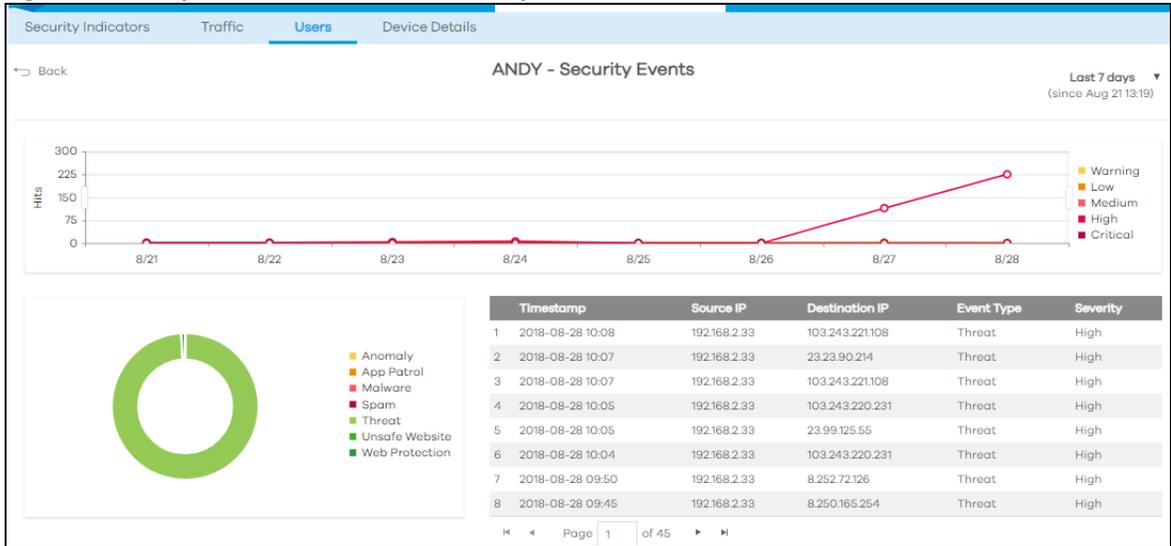
Click on a graph to see further usage details for this user. For example, the following figure shows details on Internet usage per application through the selected Zyxel Device for this user.

Figure 13 Analyzer > Users > Details > Application Usage



The following figure shows details on security events through the selected Zyxel Device for this user.

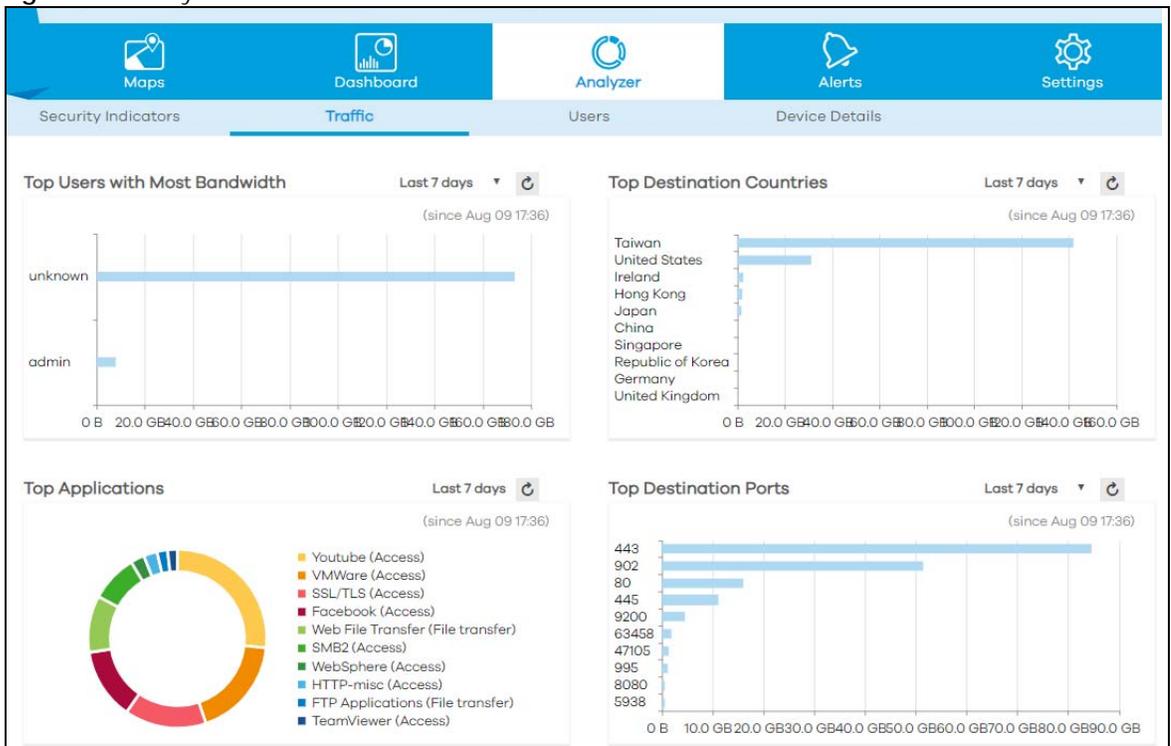
Figure 14 Analyzer > Users > Details > Security Events



2.5 Traffic

Click **Analyzer > Traffic** to view insights about the network's traffic flow.

Figure 15 Analyzer > Traffic



The following table describes the labels on this screen.

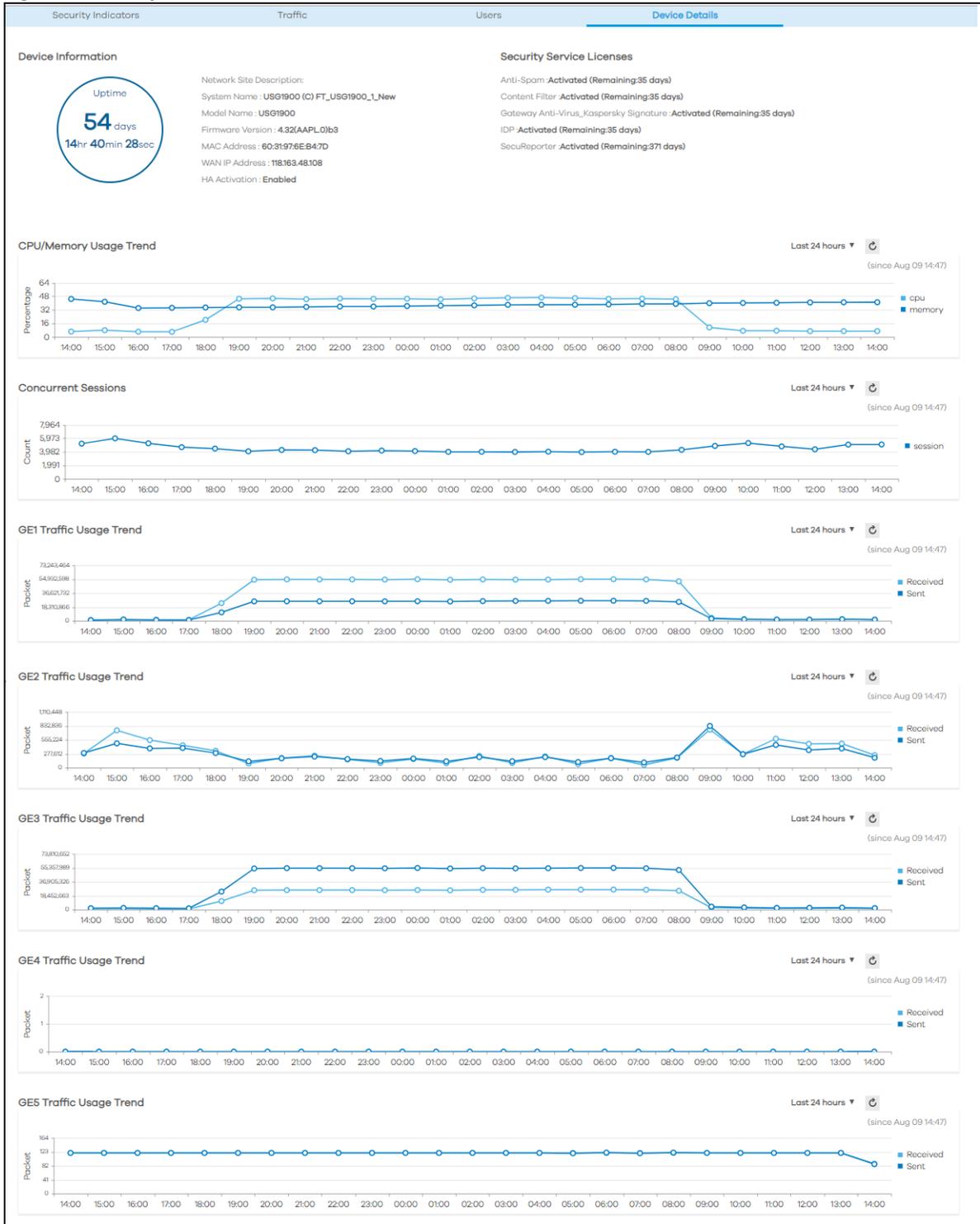
Table 11 Analyzer > Traffic

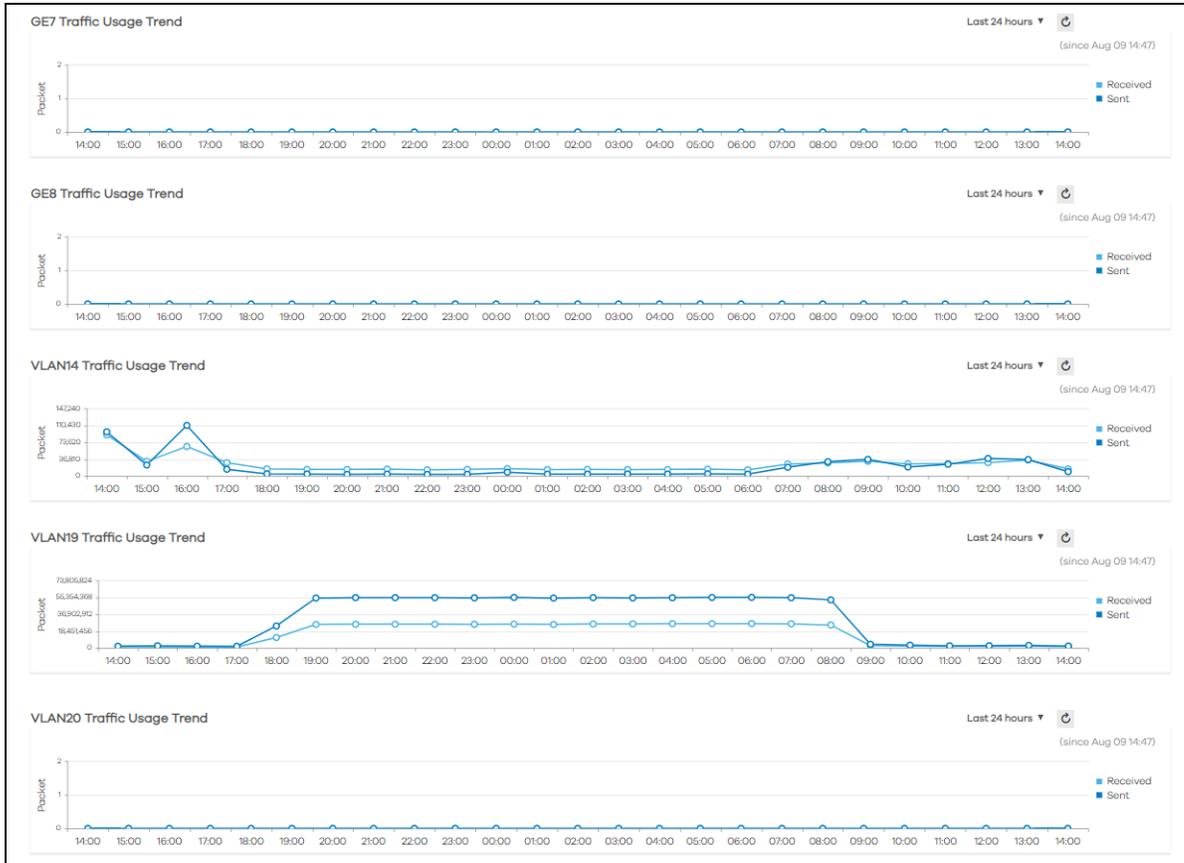
LABEL	DESCRIPTION
Top Users with Most Bandwidth	<p>This displays the top users of bandwidth on the network over a selected time frame, which is 7 days by default.</p> <p>Click to display details about a user's bandwidth usage, including upload and download volumes.</p>
Top Destination Countries	<p>This displays the countries that received the most data traffic from Zyxel Device(s) over a selected time frame.</p> <p>Click to display details about the users driving the outgoing traffic.</p>
Top Applications	<p>This displays the network applications with the greatest bandwidth usage over a selected time frame, which is 7 days by default.</p> <p>Click to display details including total forwarded data, dropped data, rejected data, and inbound/outbound kbps.</p>
Top Destination Ports	<p>This lists the top destination ports by bandwidth usage over a specified time frame, which is 7 days by default.</p> <p>Click to display details about the ports, including upload/download data volume and user information.</p>

2.6 Device Details

Click **Analyzer > Device Details** to see the status of individual Zyxel Device(s), including its connection status, activated security service licenses, and usage statistics.

Figure 16 Analyzer > Device Details





CHAPTER 3

Alerts

3.1 Overview

An alert is a notification about a potential security problem. SecuReporter offers several ways for you to monitor the security environment of your network. One way is by generating alerts when it detects potential security problems. Using user behavior analytics, SecuReporter is able to identify anomalous and suspicious activity, creating alerts to bring them to your attention.

3.2 Alerts > Trend & List

To see the alerts that have been raised by SecuReporter, click **Alerts > Trend & List**.

On the screen, a graph sorts your recent alerts by the severity of the threat they pose to the network. The alert classifications are as follows

- **High** severity - Events that are exceptionally harmful, such as attacks by viruses.
- **Medium** severity - Events that could collect users' personal information or adversely affect the network.
- **Low** severity - Events that usually have no adverse effect on a network.

By default, trend lines for alerts of all three severity levels will appear in this graph. To hide the trend line of a severity level, click on its corresponding color block on the right.

Below the chart, you can view a complete log of all SecuReporter alerts that have been created. To order the alerts by variables such as **Timestamp**, **Event Type**, and **Severity**, click on the labels of the **Alert Details** table.

The following table shows event categories, types and criteria supported by SecuReporter at the time of writing.

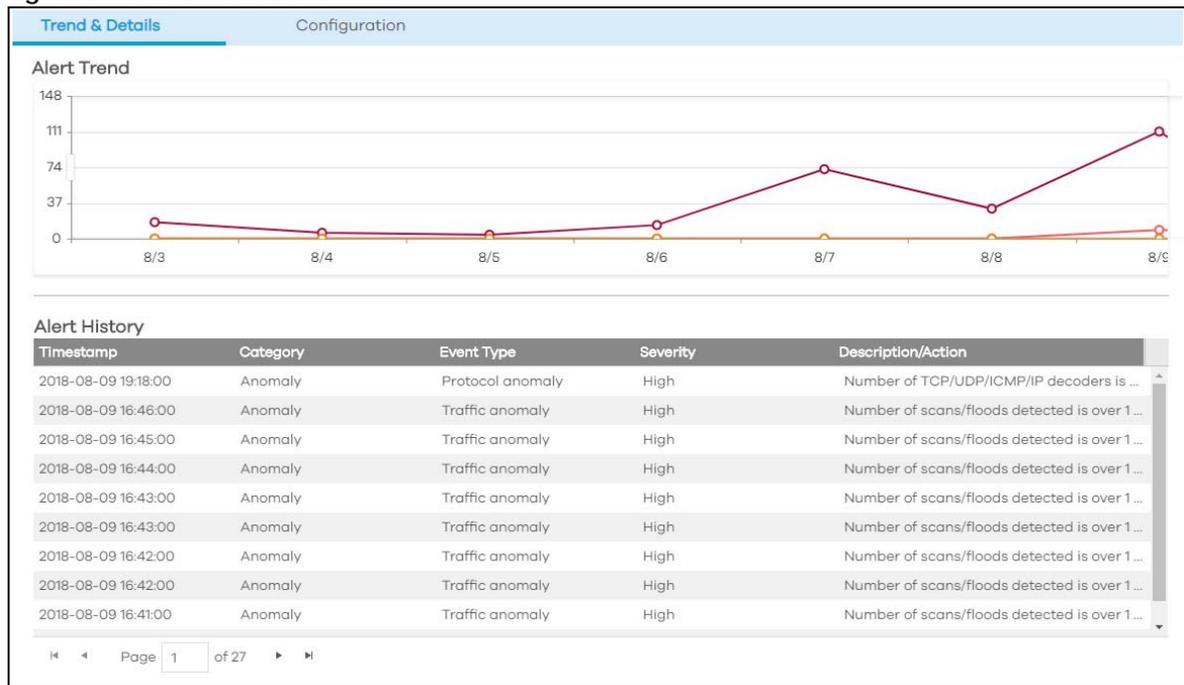
Table 12 Event Categories, Types And Criteria

CATEGORY	EVENT TYPES	CRITERIA
Network Security	Attack counts	Number of highest severity attacks greater than the threshold within {x} minutes
Network Security	Attack counts	Number of attacks greater than the threshold within {x} minutes
Network Security	Malware/virus detection	Malware/virus attack count greater than the threshold within {x} minutes
Network Security	Malware/virus detection	Number of times the same malware/virus is detected greater than the threshold within {x} minutes
Network Security	Alert counts	Number of alerts greater than the threshold

Table 12 Event Categories, Types And Criteria (continued)

CATEGORY	EVENT TYPES	CRITERIA
Device	Online status	Device offline for more than {threshold} minutes
Device	Reboot	Reboot
Device	Concurrent sessions	Session numbers greater than the {threshold}%
Anomaly	Login failure	Number of login failures over threshold within {x} minutes
Anomaly	Traffic anomaly	Number of scans/floods detected greater than the threshold within {x} minutes
Anomaly	Protocol anomaly	Number of TCP/UDP/ICMP/IP decoders greater than the threshold within {x} minutes

Figure 17 Alerts > Trend & List



The following table describes the labels on this screen.

Table 13 Alerts > Trend & List

LABEL	DESCRIPTION
Alert trend	Use this interactive graph to view trends in the severity of all the alerts that have been triggered on the network. The event severity classifications are as follows: High severity - Events that are exceptionally harmful, such as attacks by viruses [OR: 10 potential malware attacks within 5 minutes?] Medium severity - Events that could collect users' personal information or adversely affect the network [OR: 2 potential malware or virus attacks within 15 minutes?] Low severity - Events that usually have no adverse effect on a network. Trend lines for all security classifications appear on the graph by default. Click on a color block to hide its corresponding trend line.
Alert History	This table shows a list of recent security events.

Table 13 Alerts > Trend & List

LABEL	DESCRIPTION
Timestamp	This displays the year-month-date hour : minute that the threat occurred. Click to sort the table in order of the date and time that the alerts were triggered.
Category	Select to group the alerts by category.
Event type	This displays the type of alert that was triggered. Examples of alert types are IDP, Spam, Virus and Web. Click to order the alerts by the type of threat that occurred.
Severity	This displays the severity level as outlined in Table 5 on page 8
Description/Action	This displays the reason for the alert and the action taken.

3.3 Alerts > Configuration

Configure alert settings, such as recipients, email subject, event severity levels to email, and event triggering thresholds in the **Alerts > Configuration** screen.

Figure 18 Alerts > Configuration

The screenshot displays the 'Alerts > Configuration' interface. At the top, there are two tabs: 'Trend & Details' and 'Configuration'. The 'Configuration' tab is active. Below the tabs, there is a section for 'Email Notification' with a toggle switch set to 'Off'. Underneath, there are input fields for 'Email Title' and 'Description'. To the right, there are two columns: 'Email Group' and 'Email Recipients'. The 'Email Group' column contains a list of email addresses: svd1.ft@gmail.com, frank.liao@zyxel.com.tw, email@grr.la, vic.chen@zyxel.com.tw, mei.chan@zyxel.com.tw, and johng@zyxel.com.tw. Below the email notification section, there are radio buttons for 'Event Severity' with options for High, Medium, and Low. The bottom section is titled 'Alerts Configuration' and contains a table with the following data:

Category	Event Type	Alert Criteria	Severity	Threshold
Network Security	Attack counts	Number of highest severity attacks > threshold within 5 minutes	High	1 counts
Network Security	Attack counts	Number of attacks > threshold within 5 minutes	High	10 counts
Network Security	Malware/virus detecti...	Malware/virus attack count > threshold within 5 minutes	High	10 counts
Network Security	Malware/virus detecti...	Number of times the same malware/virus is detected > threshold within 15 minu...	Medium	2 times
Network Security	Alert counts	Number of alerts > threshold	High	10 counts
Device	Online status	Device offline for more than 15 minutes	Medium	15 mins
Device	Concurrent sessions	Session numbers > 90%	Low	90 %
Anomaly	Login failure	Number of login failures over threshold within 1 minutes	Medium	10 times
Anomaly	Traffic anomaly	Number of scans/floods detected > threshold within 5 minutes	High	1 counts

At the bottom of the page, there are 'Save' and 'Cancel' buttons, and a pagination indicator showing 'Page 1 of 1'.

The following table describes the labels in this screen.

Table 14 Alerts > Configuration

LABEL	DESCRIPTION
Email Notification	Off means no alerts are emailed to any recipients. Select On to have alerts emailed to selected recipients.
Email Title	Type an email subject here.
Description	Type a description of the emails to be sent here. For example, maybe these emails are just for high severity events.
Event Severity	<p>Select the severity levels of the security events for which you wish to send out e-mail notifications.</p> <ul style="list-style-type: none"> • High severity - Events that are exceptionally harmful, such as attacks by viruses or a high frequency of attacks • Medium severity - Events that could collect users' personal information or adversely affect the network or a medium frequency of attacks • Low severity - Events that usually have no adverse effect on a network or a low frequency of attacks.
E-mail Group	This is where you can add users to the mailing list for event notifications. To add a user, select one or more names from the User Account box and click > to move them to the Email Recipients box.
Alert Configuration	This table shows a list of recent security events.
Category	Select to group the alerts by category.
Event type	This displays the type of alert that was triggered. Examples of alert types are IDP, Spam, Virus and Web. Click to order the alerts by the type of threat that occurred.
Alert Criteria	<p>Alert Criteria are the rules that trigger SecuReporter alerts. For example:</p> <ul style="list-style-type: none"> • An alert is triggered when over 10 login failures occur within one minute. • An alert is triggered when over 10 malware/virus attacks are blocked within five minutes.
Severity	This displays the severity level as outlined in Table 5 on page 8 .
Threshold	The threshold is the number that triggers an alert. If the threshold is adjustable, an icon will appear next to it. Click the icon and then set the threshold for the alert by typing in the numeric value or by pressing the up- and down-arrows. Adjustable values vary and include frequency, rate of occurrence, and time period.

CHAPTER 4

Settings

4.1 Overview

First, register your Zyxel Device at myZyxel.com, activate the SecuReporter license, and enable SecuReporter in the Zyxel Device using its web configurator or commands. You can then add your Zyxel Device to an organization at the SecuReporter web portal.

Note: Only the Zyxel Device owner, that is the person who has registered the Zyxel Device at myZyxel.com, and activated the SecuReporter license, can add a Zyxel Device to an organization. See [Table 1 on page 4](#) for details on management privileges.

4.2 Procedure

4.2.1 Organization

In **Settings > Organization & Devices**, you see all organizations that you have already created. You do not see organizations other people created. Click **Add Organization** to create a new organization.

Organization	Claimed Device	Unclaimed Device	Action
1 Ada-Site	19	17	[Edit] [Delete]
2 Stress-Simulator	0	17	[Edit] [Delete]
3 AAA	1	17	[Edit] [Delete]

Type a name of up to 255 characters and description for the organization.

Organization Name:

Description:

Save Cancel

After an organization has been added, you can click still modify it using the **Edit** or **Delete** buttons under **Action**.

Add a Zyxel Device to an Organization

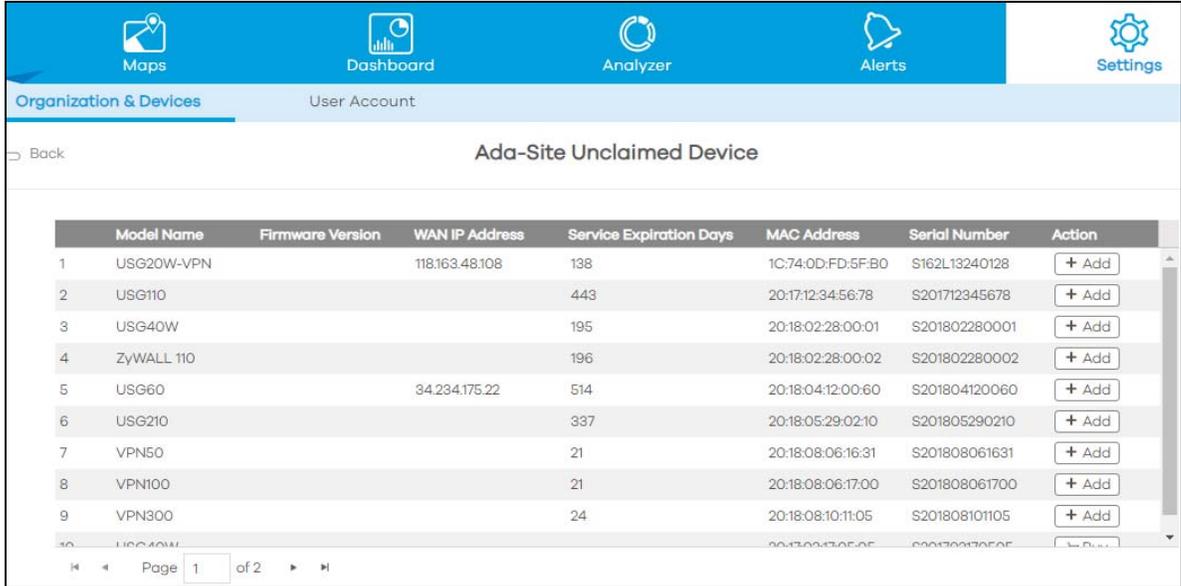
The hyper link under **Unclaimed Device** displays the number of Zyxel Device(s) that are available to be added to this organization by the Zyxel Device owner.

Organization	Claimed Device	Unclaimed Device	Action
1 ABC	0	1	Edit Delete

Click the hyper link under **Unclaimed Device** to add Zyxel Devices to this organization. You will see details of Zyxel Device(s) that are available to be added. Under **Action**, you will see **Buy** for registered Zyxel Devices that do not have activated SecuReporter licenses. Click **Buy** to go to myZyxel to activate the SecuReporter license.

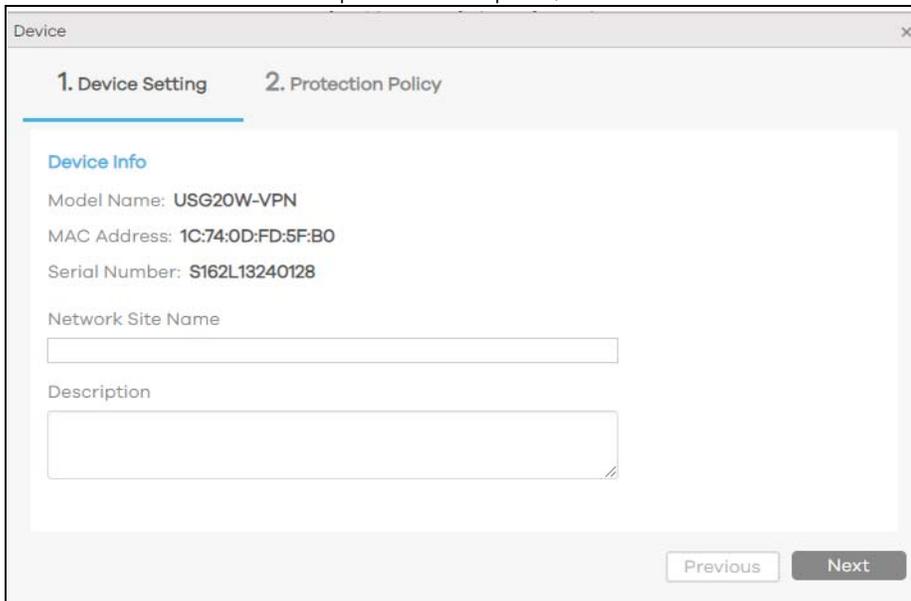
Model Name	Firmware Version	WAN IP Address	Service Expiration Days	MAC Address	Serial Number	Action
1 VPN50				B8:EC:A3:1E:23:A4	S162L52280016	Buy

Under **Action**, you will see **Add** for registered Zyxel Devices that have activated SecuReporter licenses.



	Model Name	Firmware Version	WAN IP Address	Service Expiration Days	MAC Address	Serial Number	Action
1	USG20W-VPN		118.163.48.108	138	1C:74:0D:FD:5F:B0	S162L13240128	+ Add
2	USG110			443	20:17:12:34:56:78	S201712345678	+ Add
3	USG40W			195	20:18:02:28:00:01	S201802280001	+ Add
4	ZyWALL 110			196	20:18:02:28:00:02	S201802280002	+ Add
5	USG60		34.234.175.22	514	20:18:04:12:00:60	S201804120060	+ Add
6	USG210			337	20:18:05:29:02:10	S201805290210	+ Add
7	VPN50			21	20:18:08:06:16:31	S201808061631	+ Add
8	VPN100			21	20:18:08:06:17:00	S201808061700	+ Add
9	VPN300			24	20:18:08:10:11:05	S201808101105	+ Add
10	USG40W				20:17:02:13:05:05	S201702130505	+ Add

Click **Add** to add the Zyxel Device into this organization. Type an identifying name for this Zyxel Device in **Network Site Name** and an optional description, and then click **Next**.



Device

1. Device Setting 2. Protection Policy

Device Info

Model Name: **USG20W-VPN**

MAC Address: **1C:74:0D:FD:5F:B0**

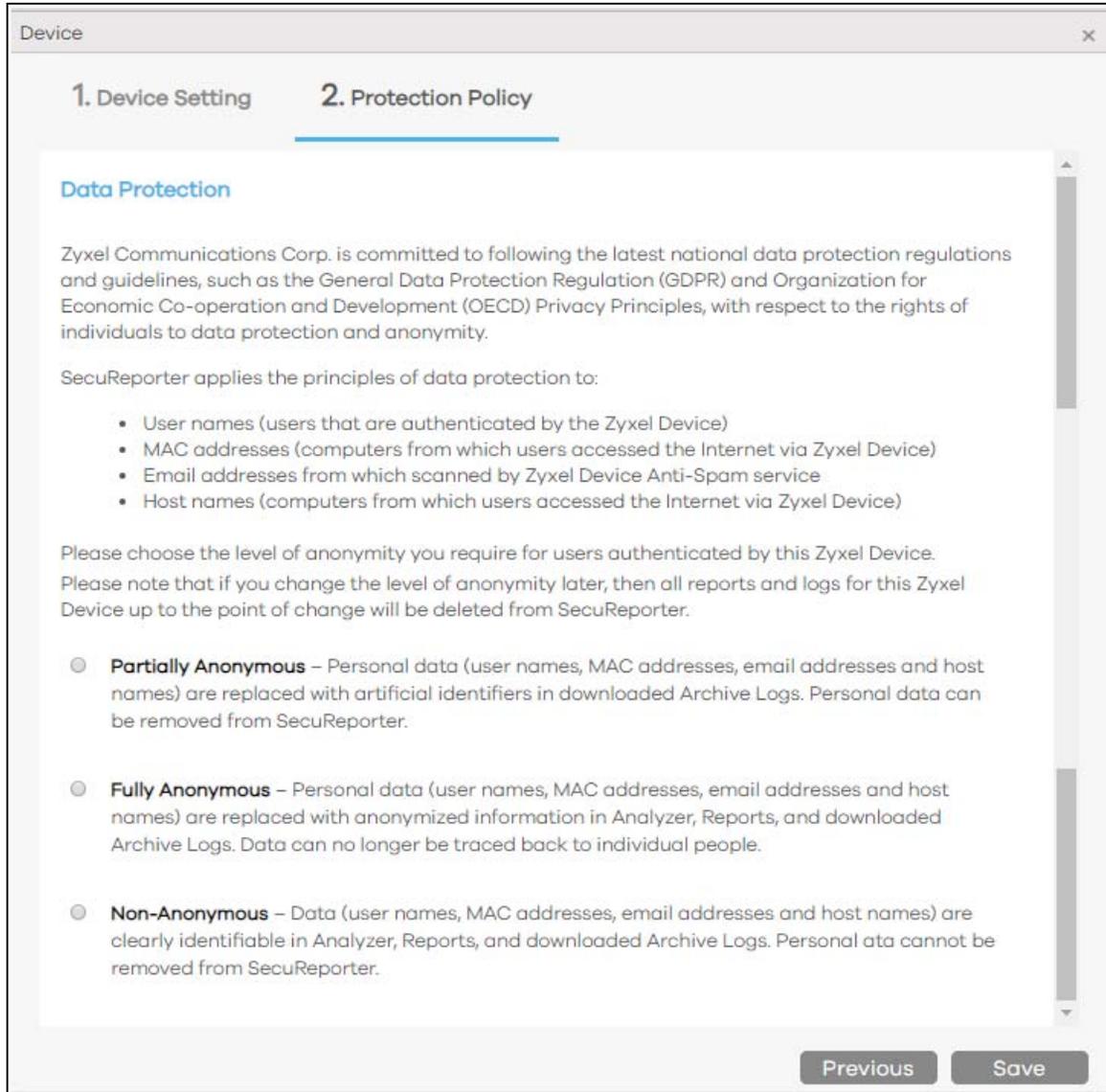
Serial Number: **S162L13240128**

Network Site Name

Description

Read the data protection policy and then choose the level of data protection for traffic going through this Zyxel Device. Finally click **Save** to have the **Unclaimed Device** become a **Claimed Device**.

Note: You can change the level of data protection later, but all logs and reports created for the Zyxel Device up to that point will be deleted.



Claimed Device

The hyper link under **Claimed Device** displays the number of Zyxel Device(s) that have been added to this organization. Click **Edit** to change settings including the Protection Policy.

Claimed Device	Model Name	Firmware Version	WAN IP Address	Service Expiration	Protection Policy	Action
1	SecuReporter-USG4...	USG40W	4.32(AALB.0)	118.163.48.108	354	Non-Anonymous [Edit] [Delete]
2	ZW1100	ZyWALL 1100	4.32(AAPJ.0)b3	118.163.48.104	354	Non-Anonymous [Edit] [Delete]
3	ZW310	ZyWALL 310	4.32(AAPL.0)b3	118.163.48.104	354	Non-Anonymous [Edit] [Delete]
4	SecuReporter-ZyWA...	ZyWALL 110	4.32(AAAA.0)	118.163.48.104	354	Non-Anonymous [Edit] [Delete]
5	don't send log	ATP200			337	Non-Anonymous [Edit] [Delete]
6	SecuReporter-USG40	USG40	4.32(AALA.0)	118.163.48.104	353	Non-Anonymous [Edit] [Delete]
7	USG1100	USG1100	4.32(AAPK.0)b3	118.163.48.104	354	Non-Anonymous [Edit] [Delete]
8	test-dashboard-wid...	ATP500	4.32(ABFU.0)b4s2	118.163.48.104	288	Partially Anony... [Edit] [Delete]
9	ATP800 (P)	ATP800	4.32(ABIQ.1)b1	118.163.48.104	373	Partially Anony... [Edit] [Delete]
10	USG310	USG310	4.32(AAAD.0)b3	118.163.48.104	354	Non-Anonymous [Edit] [Delete]

Assign an Administrator to an Organization

To assign an administrator for this organization or Zyxel Devices within this organization, go to **Setting > User Account**, and click **Add User**.

On-Line Status	User Name	Email Address	Privilege	Action
N	Teemo Cute	abcd83722@gmail.com	Details	[Edit] [Delete]
N	Yu-Chi Chen	s101321045@mail1.ncnu.edu.tw	Details	[Edit] [Delete]

Type the email address of the person that you want to be administrator in **Login Email**. You cannot change the email address later. You have to delete this user account and create a new one to create a different email address. You also cannot add your own email address.



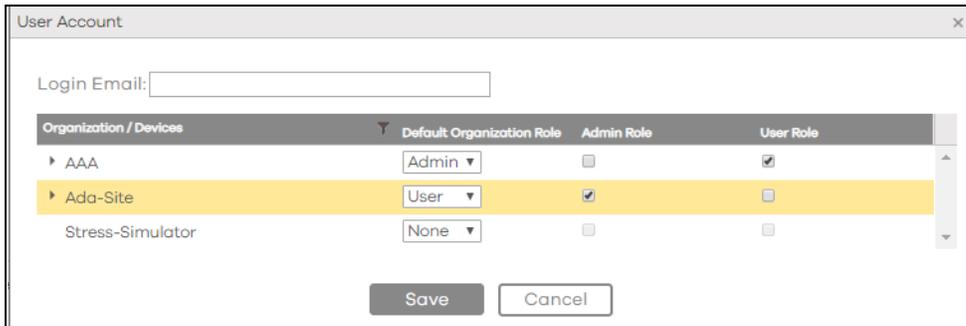
Select this user's **Default Organization Role** for all new Zyxel Devices added to this organization after the user account was created.

- Select **Admin** if you want this user to have full administration privileges for all new Zyxel Devices added to this organization after the user account was created
- Select **User** if you want this user to have restricted administration privileges for all new Zyxel Devices added to this organization after the user account was created
- Select **None** if you don't want this user to see new Zyxel Devices added to this organization after the user account was created.

You may configure **Admin Role** and **User Role** privileges for individual Zyxel Devices withing this organization. The individual Zyxel Device setting takes priority over the default organization role setting.

Note: See [Table 1 on page 4](#) for details on management privileges.

Click **Save** when finished.



The screenshot shows a 'User Account' configuration window. At the top, there is a 'Login Email:' text input field. Below it is a table with the following columns: 'Organization / Devices', 'Default Organization Role', 'Admin Role', and 'User Role'. The table contains three rows: 'AAA', 'Ada-Site', and 'Stress-Simulator'. The 'Ada-Site' row is highlighted in yellow. Below the table are 'Save' and 'Cancel' buttons.

Organization / Devices	Default Organization Role	Admin Role	User Role
▶ AAA	Admin	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▶ Ada-Site	User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stress-Simulator	None	<input type="checkbox"/>	<input type="checkbox"/>

APPENDIX A

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