



SANGFOR

SANGFOR WANO 9.1R2 Report Center Description



SANGFOR Technologies Inc.

9 Mar 2018

Your Future-Proof IT Enabler

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Declaration

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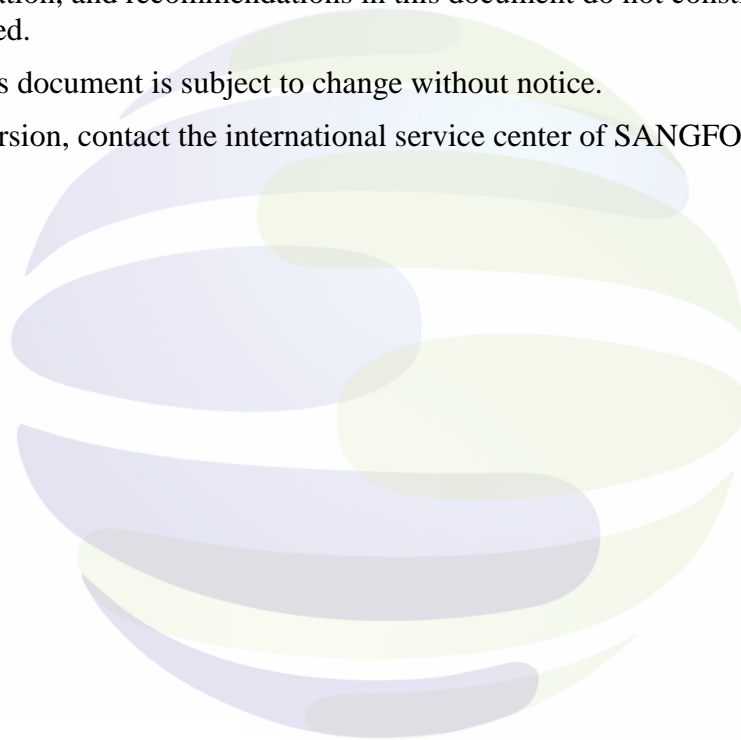
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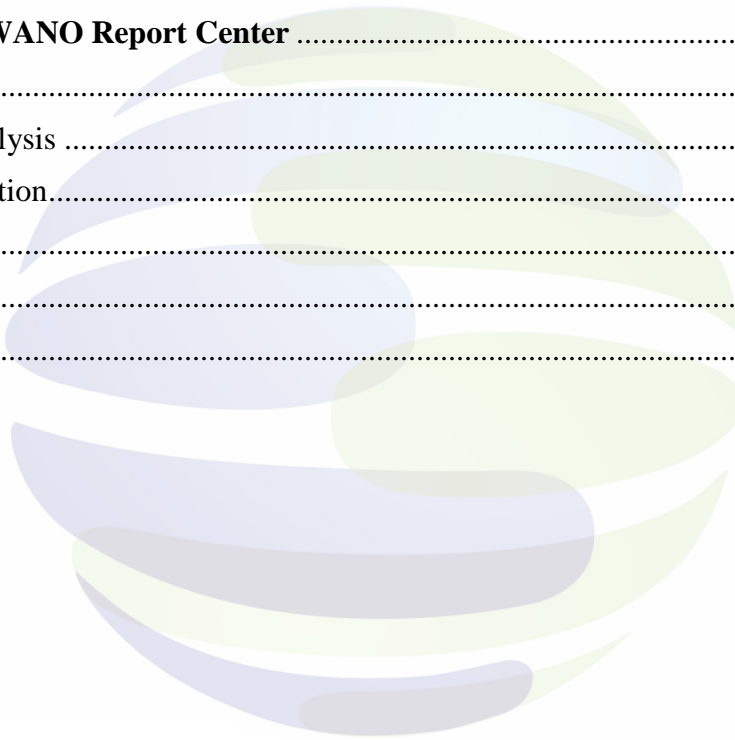
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Table of contents

Declaration	2
Table of contents	3
1 Introduction	4
1.1 Abbreviations and conventions.....	4
1.2 Feedback	4
2 Introduction of WANO Report Center	5
2.1 Home.....	5
2.2 Traffic Analysis	6
2.3 Data Reduction.....	10
2.4 Reports	11
2.5 Logs.....	14
2.6 System.....	16



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1 Introduction

1.1 Abbreviations and conventions

WANO in this article refers to the SANGFOR WANO device.

1.2 Feedback

If you find any questions of this documents, please feel free to give us feedback, email: tech.support@sangfor.com.



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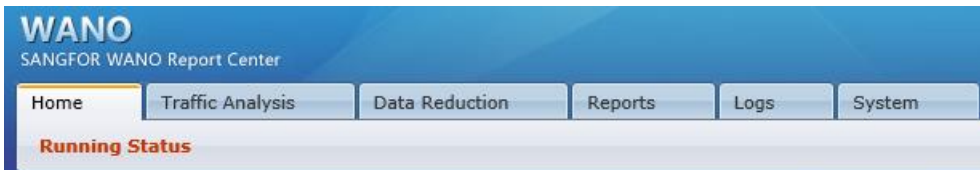
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2 Introduction of WANO Report Center

WANO Report Center button is located at the top-right corner of WANO Management Interface. Click on the “Reports” button to access into Report center.

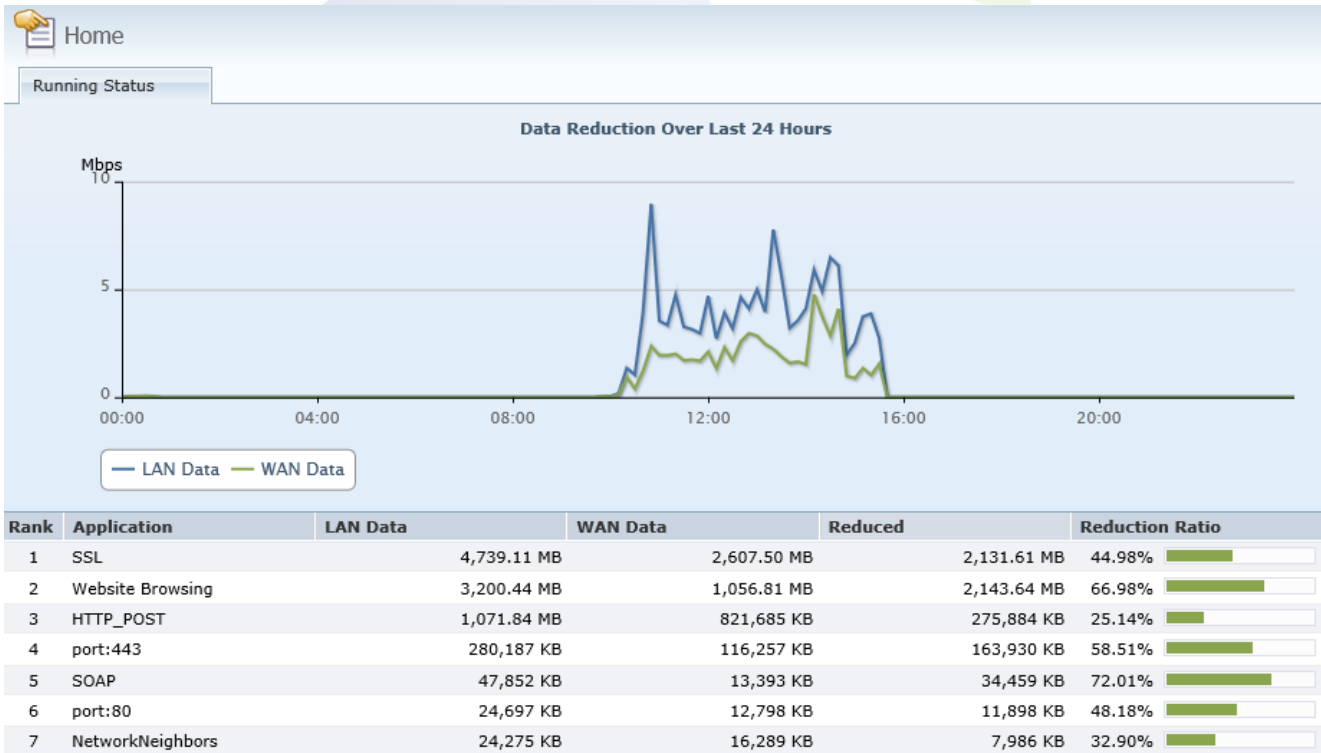


As shown in figure below, Report Center contain 6 type of modules which are: Home, Traffic Analysis, Data Reduction, Reports, Logs and System.



2.1 Home

Figure below show the page after login to the WANO Report Center.



In the page Running Status will display a graph that shows the traffic flow in the past 24 hours. Blue line represents the data that has not optimize while green line represent the data that has been optimized.

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Besides, the data will be tabulated at the bottom of the graph. The table contains LAN Data, WAN Data, Reduced and also Reduction Ratio.

LAN Data: Data that has not been optimized

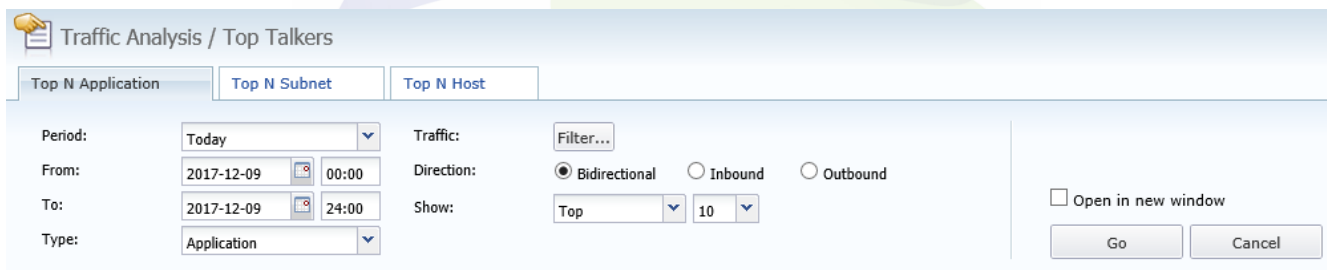
WAN Data: Data that has been optimized

2.2 Traffic Analysis

In Traffic Analysis module contains two different type of reports, which are Top Talkers and Bandwidth Usage.



Under **Top Talkers**, report can be filtered based on 3 different types, which are Top Application, Top Subnet and Top Host.



Period: Define the period of the report to be generated. The options included Today, Yesterday, This week or Specified.

From/To: Define the preferred period by selecting the date and time manually.

Traffic: Define the Filter options such as specific Internal Host, Internal Subnets or External Subnets.

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Traffic Filter

Internal Network

☒ Host

☐ Subnets

All

External Network

Subnets: All

Select subnets from the internal and external networks, so that only the traffic between specified subnets is included.

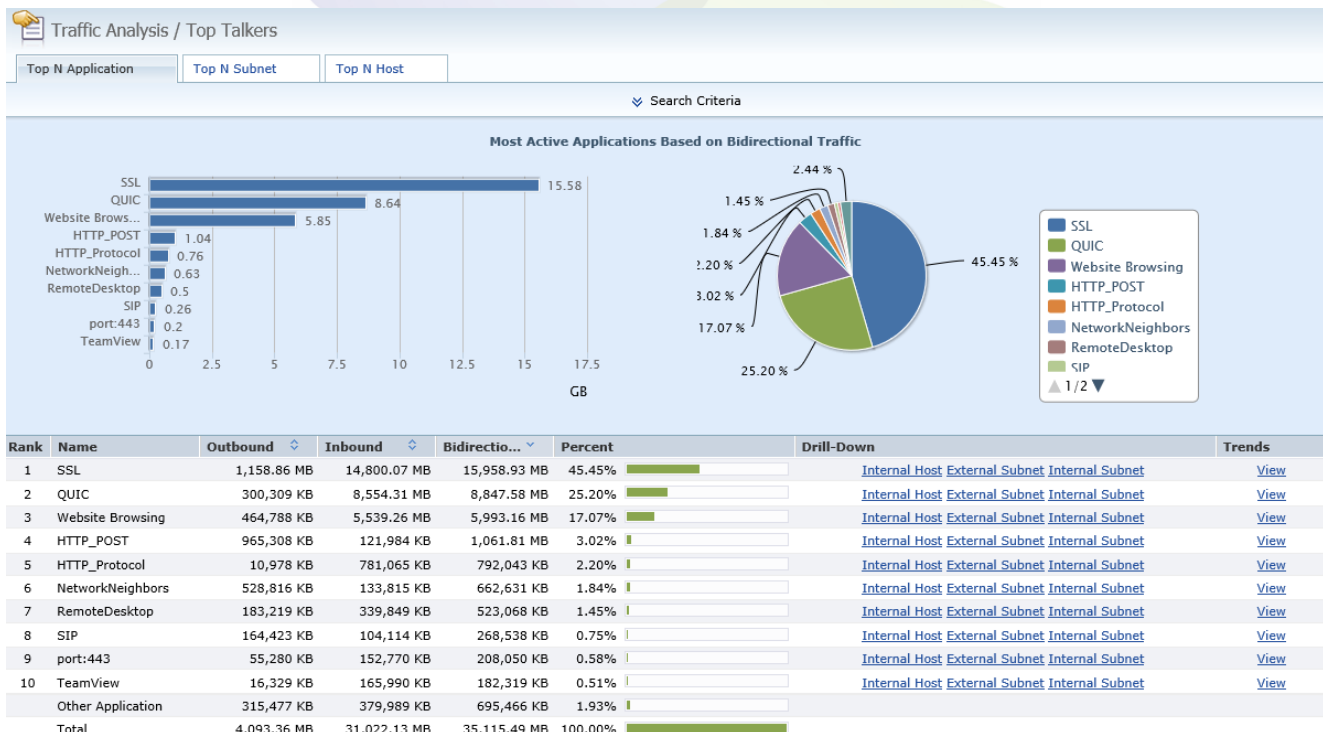
OK Cancel

Direction: Define the traffic direction such as Bidirectional, Inbound, and outbound.

Show: Define the total displayed result, can select up to Top 1000. Besides, can specified to display a particular Application as well.

Open in new window: Display the generated report in new tab in browser.

Figure below show sample report generated.



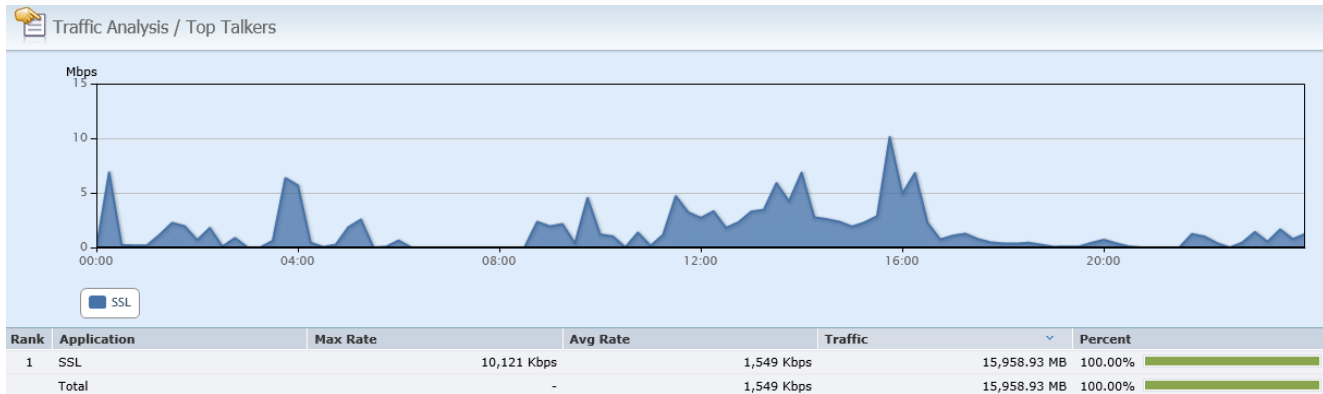
By clicking at the Trend View button will display the traffic flow graph of the particular Application.



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Generated report can be exported in two different format, which is PDF and Excel format. By clicking at the , the report will be exported into Excel format, whereas by clicking at the , the report will be exported into PDF format.

Under **Bandwidth Usage**, report can be filtered based on Application Distribution, Subnet Distribution and Host Distribution.

Traffic Analysis / Bandwidth Usage

Application Distribution | Subnet Distribution | Host Distribution

Period: Today
From: 2017-12-09 00:00
To: 2017-12-09 24:00
Type: Application

Traffic: Filter...
Direction: ☒ Bidirectional ☐ Inbound ☐ Outbound
Show: Top 10

☐ Open in new window
Go Cancel

Period: Define the period of the report to be generated. The options included Today, Yesterday, This week or Specified.

From/To: Define the preferred period by selecting the date and time manually.

Traffic: Define the Filter options such as specific Internal Host, Internal Subnets or External Subnets.

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Traffic Filter [X]

Internal Network

☒ Host
[]

☐ Subnets
All [v]

External Network

Subnets: All [v]

Select subnets from the internal and external networks, so that only the traffic between specified subnets is included.

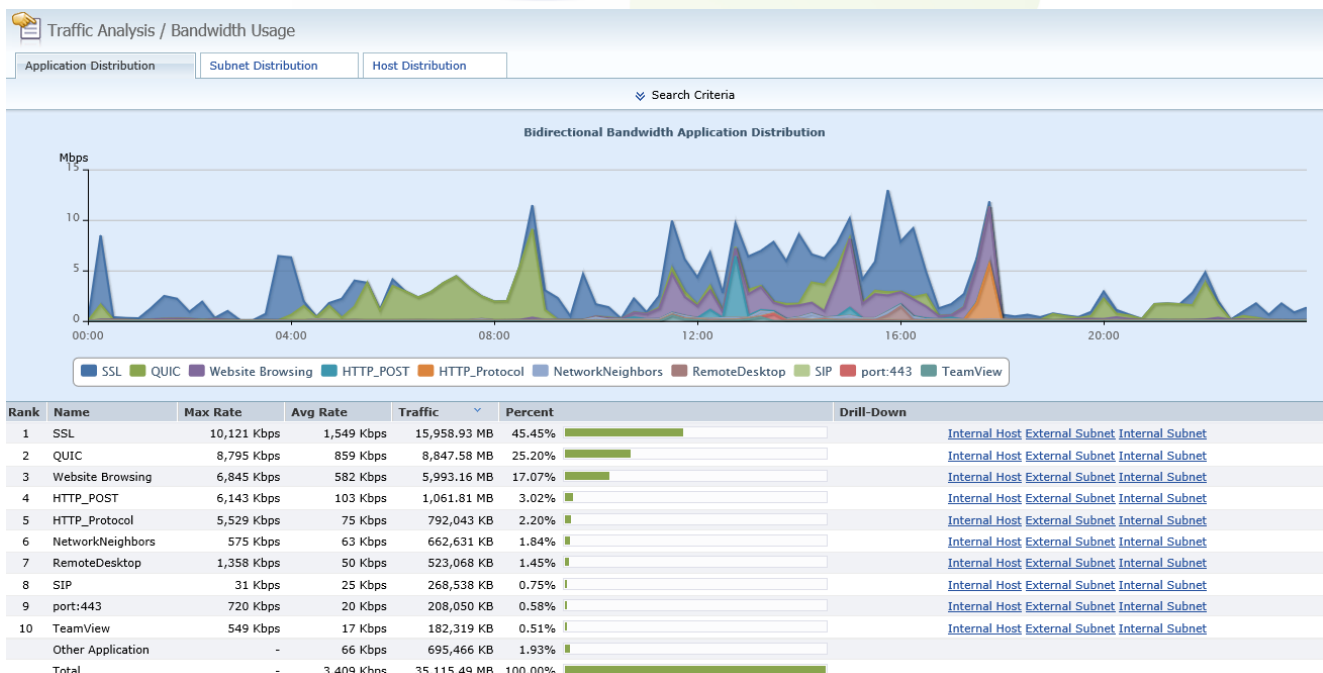
OK Cancel

Direction: Define the traffic direction such as Bidirectional, Inbound, and outbound.

Show: Define the total displayed result, can select up to Top 1000. Besides, can specified to display a particular Application as well.

Open in new window: Display the generated report in new tab in browser.

Figure below shows sample report generated.





From the table data shows that each Application Bandwidth Usage, such as Maximum rate, Average Rate, Total Bandwidth usage and also overall percentage.

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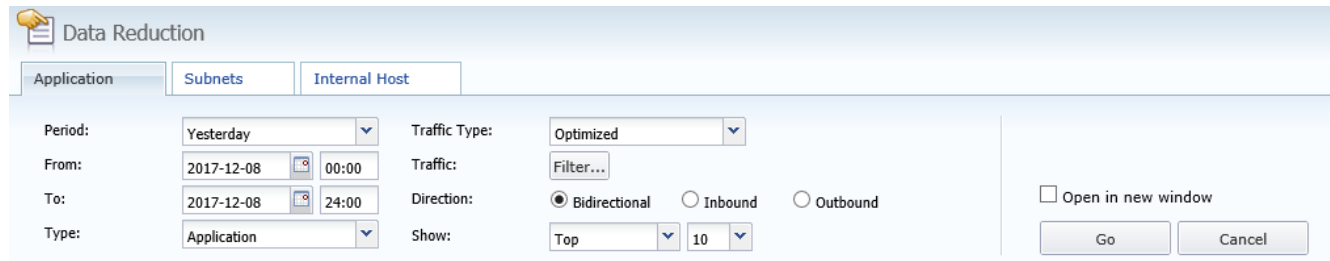
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Generated report can be exported in two different format, which is PDF and Excel format. By clicking at the , the report will be exported into Excel format, whereas by clicking at the , the report will be exported into PDF format.

2.3 Data Reduction

Figure below show the Data Reduction module.



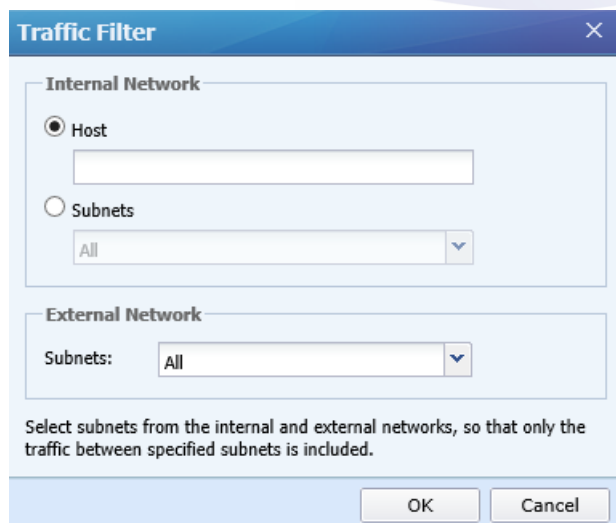
The screenshot shows the 'Data Reduction' module interface. It has three tabs: 'Application', 'Subnets', and 'Internal Host'. The 'Subnets' tab is selected. The interface includes several input fields and controls: 'Period' (set to 'Yesterday'), 'From' (2017-12-08 00:00), 'To' (2017-12-08 24:00), 'Type' (Application), 'Traffic Type' (Optimized), 'Traffic' (Filter...), 'Direction' (radio buttons for Bidirectional, Inbound, Outbound; Bidirectional is selected), 'Show' (Top, 10), and an 'Open in new window' checkbox. 'Go' and 'Cancel' buttons are at the bottom right.

Period: Define the period of the report to be generated. The options included Today, Yesterday, This week or Specified.

From/To: Define the preferred period by selecting the date and time manually.

Traffic Type: Define the traffic type to be generated. The options included Optimized, Pass-through, and Both.

Traffic: Define the Filter options such as specific Internal Host, Internal Subnets or External Subnets.



The screenshot shows the 'Traffic Filter' dialog box. It has two main sections: 'Internal Network' and 'External Network'. In the 'Internal Network' section, 'Host' is selected with a text input field, and 'Subnets' is unselected with a dropdown menu set to 'All'. In the 'External Network' section, 'Subnets' is selected with a dropdown menu set to 'All'. At the bottom, there is a note: 'Select subnets from the internal and external networks, so that only the traffic between specified subnets is included.' and 'OK' and 'Cancel' buttons.

Direction: Define the traffic direction such as Bidirectional, Inbound, and outbound.

Show: Define the total displayed result, can select up to Top 1000. Besides, can specified to display a particular Application as well.

Open in new window: Display the generated report in new tab in browser.

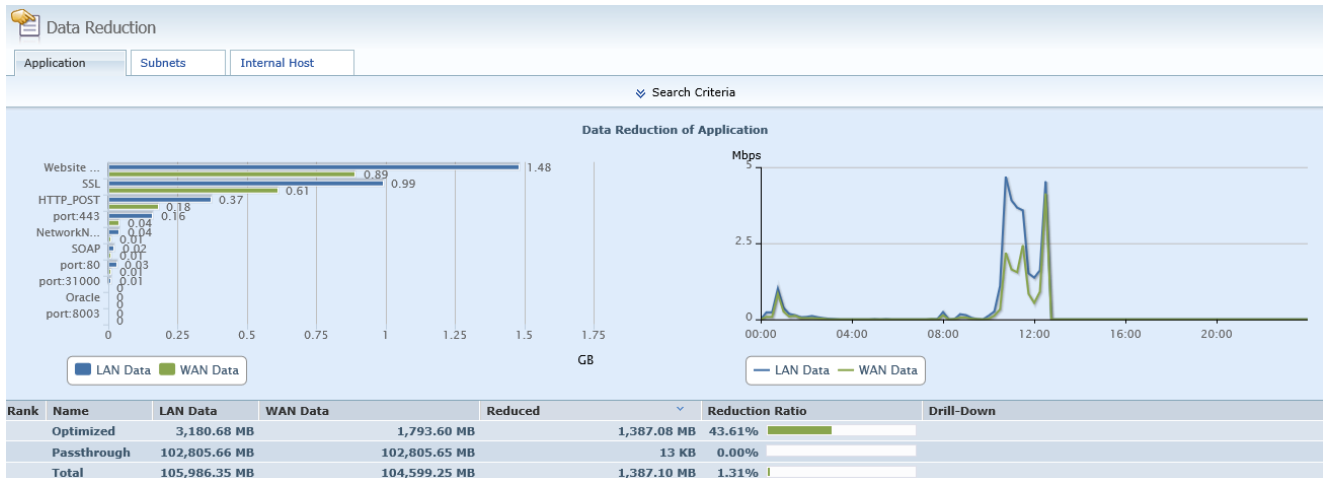
Figure below shows sample report generated.

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
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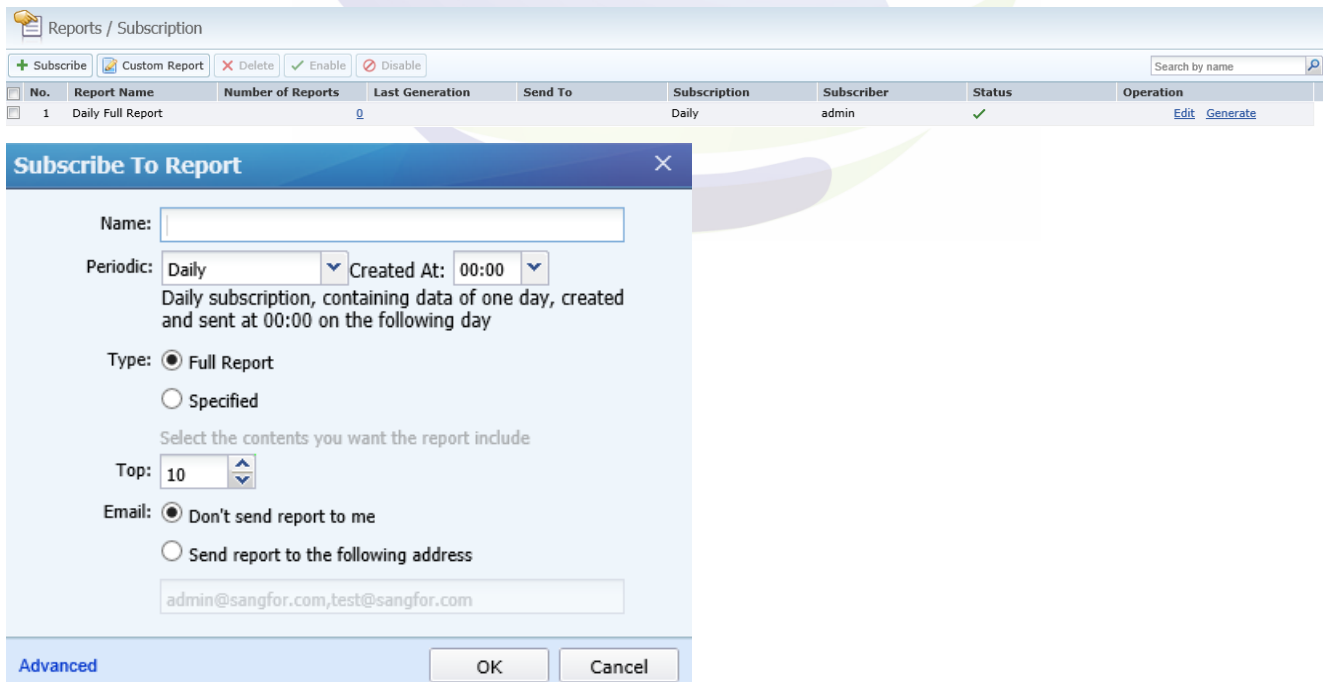


From the table data shows the total amount of traffic that has been optimized and pass-through.

Generated report can be exported in two different format, which is PDF and Excel format. By clicking at the , the report will be exported into Excel format, whereas by clicking at the , the report will be exported into PDF format.

2.4 Reports

Figure below show the Reports module. In this Reports module consist of two different function. The first type is Subscribe report, the second type is generate Custom Report.



Reports / Subscription

+ Subscribe Custom Report Delete Enable Disable

Search by name

No.	Report Name	Number of Reports	Last Generation	Send To	Subscription	Subscriber	Status	Operation
1	Daily Full Report	0		Daily	admin	✓	Edit Generate	

Subscribe To Report

Name:

Periodic: Created At:

Daily subscription, containing data of one day, created and sent at 00:00 on the following day

Type: ☒ Full Report ☐ Specified

Select the contents you want the report include

Top:

Email: ☒ Don't send report to me ☐ Send report to the following address

Advanced OK Cancel

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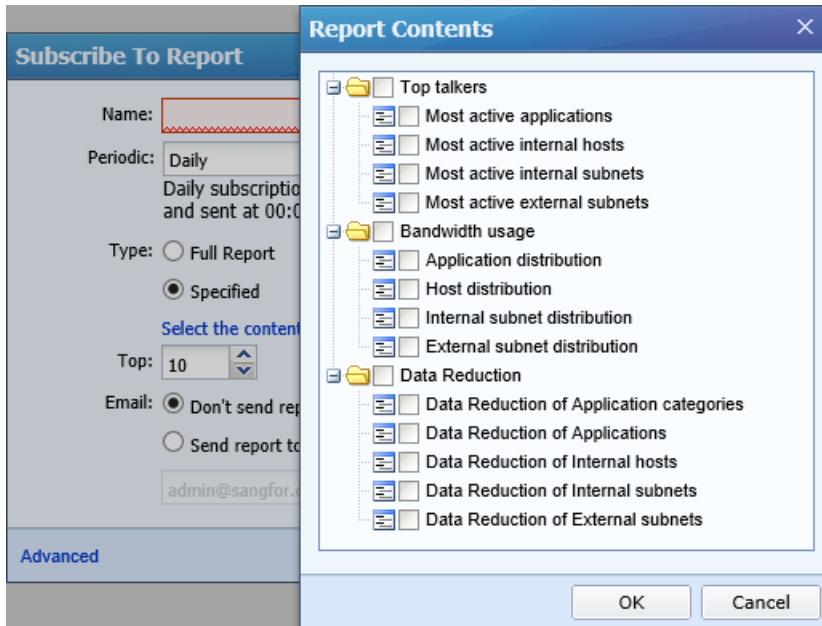
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Name: Define the Name of the subscribed report.

Periodic: Define the period of the report to be generated. Options included Daily, Weekly and Monthly.

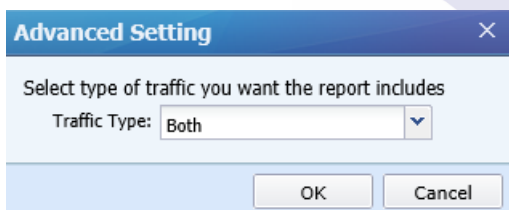
Type: Define the type of report. Specified report contain several choices to be selected as shown figure below.



Top: Define the number of ranking records to be generated. Can select up to Top 100.

Email: Define the generated report to keep in local device or send via email.

By clicking the **Advanced** button at the bottom-left corner of the windows, Traffic Type can be selected as well. Options included Optimized, Pass-through, and Both as figure shown below.



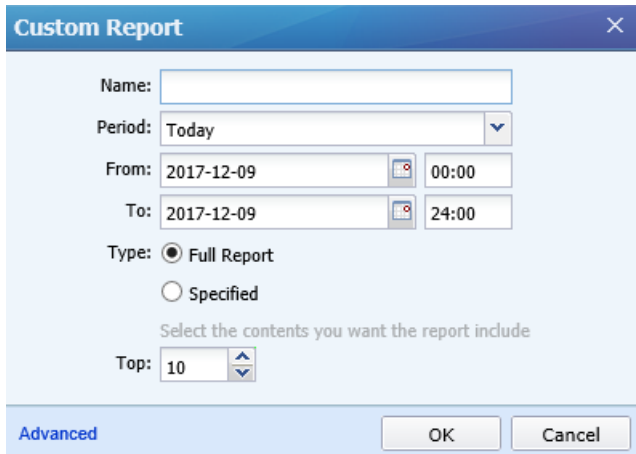
By selecting the **Custom Report**, the report can be customized based on several criterial before generate as figure shown below.

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The 'Custom Report' dialog box contains the following fields and controls:

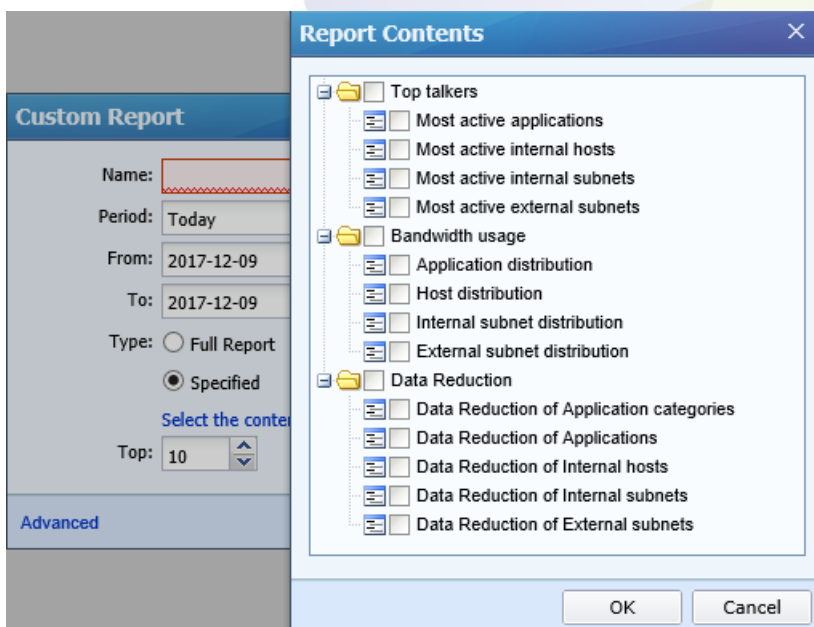
- Name:** A text input field.
- Period:** A dropdown menu with 'Today' selected.
- From:** A date and time picker showing '2017-12-09 00:00'.
- To:** A date and time picker showing '2017-12-09 24:00'.
- Type:** Two radio buttons: 'Full Report' (selected) and 'Specified'.
- Select the contents you want the report include:** A section with a 'Top:' label and a spinner box set to '10'.
- Buttons:** 'Advanced' (blue), 'OK', and 'Cancel'.

Name: Define the name of the report to be generated.

Period: Define the period of the report to be generated. The options included Today, Yesterday, This week, This month and Specified.

From/To: Define the preferred period by selecting the date and time manually.

Type: Define the type of report. Specified report contain several choices to be selected as shown figure below.



The 'Report Contents' dialog box displays a tree view of report categories with checkboxes for selection:

- Top talkers**
 - ☐ Most active applications
 - ☐ Most active internal hosts
 - ☐ Most active internal subnets
 - ☐ Most active external subnets
- Bandwidth usage**
 - ☐ Application distribution
 - ☐ Host distribution
 - ☐ Internal subnet distribution
 - ☐ External subnet distribution
- Data Reduction**
 - ☐ Data Reduction of Application categories
 - ☐ Data Reduction of Applications
 - ☐ Data Reduction of Internal hosts
 - ☐ Data Reduction of Internal subnets
 - ☐ Data Reduction of External subnets

At the bottom are 'OK' and 'Cancel' buttons.

Top: Define the number of ranking records to be generated. Can select up to Top 100.

By clicking the **Advanced** button at the bottom-left corner of the windows, Traffic Type can be selected as well. Options included Optimized, Pass-through, and Both as figure shown below.

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Advanced Setting [X]

Select type of traffic you want the report includes

Traffic Type: Both [v]

OK Cancel

By selecting the respective report will allow user to Delete, Enable or Disable it. Besides that, by clicking the Generate button at the right most of the particular report, will instantly generate the report.

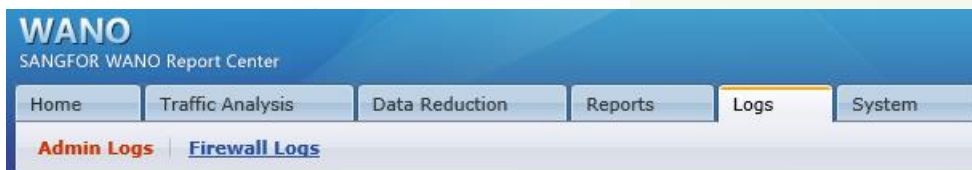
Reports / Subscription

[+ Subscribe](#)
[Custom Report](#)
[X Delete](#)
[✓ Enable](#)
[✗ Disable](#)
Search by name

<input checked="" type="checkbox"/>	No.	Report Name	Number of Reports	Last Generation	Send To	Subscription	Subscriber	Status	Operation
<input checked="" type="checkbox"/>	1	Daily Full Report	0			Daily	admin	✓	Edit Generate

2.5 Logs

Figure below show the Logs module. Logs module contains two different types of log, which is Admin logs and Firewall Logs.



For Admin Logs, user can filter based on different preferences as figure shown below.

Filter [X]

Period: Today [v]

From: 2017-12-09 00:00

To: 2017-12-09 24:00

By: ☒ Admin ☐ IP

Admin Name: -Select- [v]

OK Cancel

Period: Define the period of the Logs to be generated. The options included Today, Yesterday, This week or Specified.

From/To: Define the preferred period by selecting the date and time manually.

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By: Define the type of Logs to be generated. The options for Admin included admin, ALL or other admins. Whereas the options for IP allow user to input specific IP Address.

By: ☒ Admin ☐ IP

Admin Name:

OK Cancel

By: ☐ Admin ☒ IP

IP Address:

OK Cancel

Figure below shows sample Admin Logs generated.

Logs / Admin Logs

Filter Search by description

No.	Time	Admin Name	IP	Action	Module	Description
1	2017-11-29 14:06:53	admin	192.200.19.70	Log in	Admin console login/logout	Log in
2	2017-11-13 16:21:25	admin	192.200.19.68	Log in	Admin console login/logout	Log in
3	2017-11-10 14:25:07	admin	192.200.19.73	Log in	Admin console login/logout	Log in
4	2017-11-08 17:44:56	admin	192.200.19.65	Log in	Admin console login/logout	Log in
5	2017-11-07 17:37:19	admin	192.200.19.61	Log in	Admin console login/logout	Log in
6	2017-11-07 17:35:56	admin	192.200.19.68	Log in	Admin console login/logout	Log in
7	2017-11-01 17:09:01	admin	192.200.19.63	Log out	Admin console login/logout	Log out
8	2017-11-01 17:06:55	admin	192.200.19.63	Log in	Admin console login/logout	Log in

As for Firewall Logs, user can filter based on different preferences as figure shown below.

Filter

Period:

From:

To:

Destination Port:

Source IP:

Destination IP:

Rule Name:

Action: ☐ Deny ☐ Allow

Protocol: ☐ TCP ☐ UDP ☐ ICMP ☐ Other

Direction:

OK Cancel

Period: Define the period of the Logs to be generated. The options included Today, Yesterday, This week or Specified.

From/To: Define the preferred period by selecting the date and time manually.

Destination Port: Define the preferred destination port for Firewall Logs to be generated.

Source IP: Define the preferred Source IP for Firewall Logs to be generated.

Destination IP: Define the preferred destination IP for Firewall Logs to be generated.

Rule Name: Define the preferred Rule Name for Firewall Logs to be generated. Example: ping

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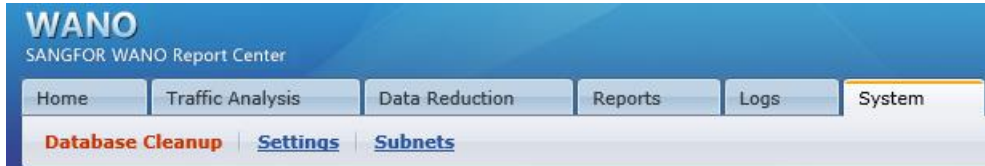
Action: Define the Action for Firewall Logs.

Protocol: Define the preferred protocol for Firewall Logs to be generated.

Direction: Define the Direction of traffic. The options contains LAN, WAN, VPN and DMZ.

2.6 System

Figure below show the System module. System module consists of 3 different function, which is Database Cleanup, Settings and also Subnets.



Database Cleanup is used for clean up or delete old Reports and Logs.

System / Database Cleanup

Filter X Delete Delete All

No.	Date	Data Size	Operation
<input type="checkbox"/> 1	2017-12-09	192 KB	Delete
<input type="checkbox"/> 2	2017-12-08	59,168 KB	Delete
<input type="checkbox"/> 3	2017-12-07	117,600 KB	Delete
<input type="checkbox"/> 4	2017-12-06	121,712 KB	Delete
<input type="checkbox"/> 5	2017-12-05	106,320 KB	Delete
<input type="checkbox"/> 6	2017-12-04	102,192 KB	Delete
<input type="checkbox"/> 7	2017-12-03	117,616 KB	Delete
<input type="checkbox"/> 8	2017-12-02	60,336 KB	Delete
<input type="checkbox"/> 9	2017-12-01	32,064 KB	Delete
<input type="checkbox"/> 10	2017-11-30	65,968 KB	Delete
<input type="checkbox"/> 11	2017-11-29	112,544 KB	Delete
<input type="checkbox"/> 12	2017-11-28	109,520 KB	Delete
<input type="checkbox"/> 13	2017-11-27	104,416 KB	Delete
<input type="checkbox"/> 14	2017-11-26	113,664 KB	Delete
<input type="checkbox"/> 15	2017-11-25	108,448 KB	Delete
<input type="checkbox"/> 16	2017-11-24	60,896 KB	Delete
<input type="checkbox"/> 17	2017-11-23	118,752 KB	Delete
<input type="checkbox"/> 18	2017-11-22	80,592 KB	Delete
<input type="checkbox"/> 19	2017-11-21	112,832 KB	Delete
<input type="checkbox"/> 20	2017-11-20	130,288 KB	Delete

Filter button allow user to filter the records into their own preferences as shown below

Filter X

Period: Specified ▼

From: 2017-12-03 📅

To: 2017-12-09 📅

OK Cancel

Period: Define the period of the records to be filtered. The options included Last 7 days, Last 1 month or Specified.

From/To: Define the preferred period by selecting the date and time manually.

Settings allow user to configure SMTP server and also Report Preservation settings as shown below.

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System / Settings

☒ **SMTP**

Server Address:

Port:

Encryption:

Sender Address:

☐ Require authentication

Username:

Password:

Report Preservation

Automatic Deletion: ☒ Delete reports generated days ago

☐ Preserve maximum newest reports

For Report Preservation allow user to select two different way to preserve the report.

Delete reports generated days ago allow to fill in up to 30 days.

Preserve maximum newest reports allow to fill in up to 500 newest reports.

Subnets allow user to create preferred subnet that can be used to filter in Reports.

Add/Edit Subnet

Name:

Description:

Type: ☒ Internal ☐ External

IP Address: One entry per row

Type and edit here

Note: Subsequent traffic data related to the newly-added subnet will be counted in. Before the subnet is added, related traffic data are not calculated.

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Name: Define the name for the subnet.

Type: Define the type of subnet.

IP Address: Define the IP Address for the subnet.



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