Security Solution Provider

Web GUI User Manual

Tera-UTM 12

Version 1.3

Released on Jun 2024

Lionic Corp.   www.lionic.com

Tera-UTM 12 User Manual

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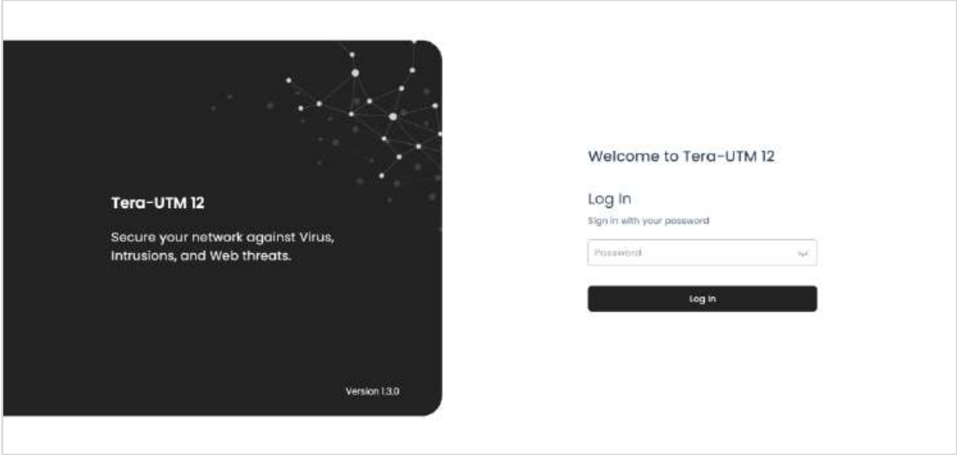
Access Web GUI and Connect to the Network

1. Plug the power cable into Tera-UTM 12.
2. Connect the WAN port of Tera-UTM 12 to the LAN port of a modem / router / switch provided by the ISP or the IT administrator with an ethernet cable.
3. Connect the LAN port of Tera-UTM 12 to your PC/laptop with another ethernet cable.
4. Set the network configuration of your PC/laptop as below:
   - IP address: 10.254.254.50
   - Subnet mask: 255.255.255.0
5. After the configuration is set, visit http://10.254.254.254/ with a web browser.



Tera-UTM 12

Secure your network against Virus, Intrusions, and Web threats.

Version 1.3.0

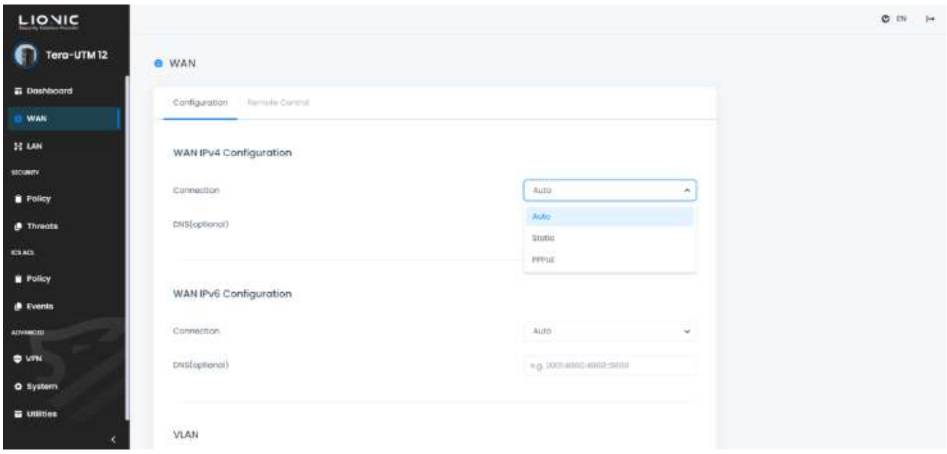
Welcome to Tera-UTM 12

Log In

Sign in with your password

Password

6. After the login page is shown, enter the default password to log in the web GUI. Note: The default password is the Serial Number (S/N), which is printed at the bottom of Tera-UTM 12.
7. After logged in, set the network configuration of Tera-UTM 12 in [WAN] page.



WAN

Configuration | Remote Control

WAN IPv4 Configuration

Connection: Auto (Auto / Static / PPPoE)

DNS(optional)

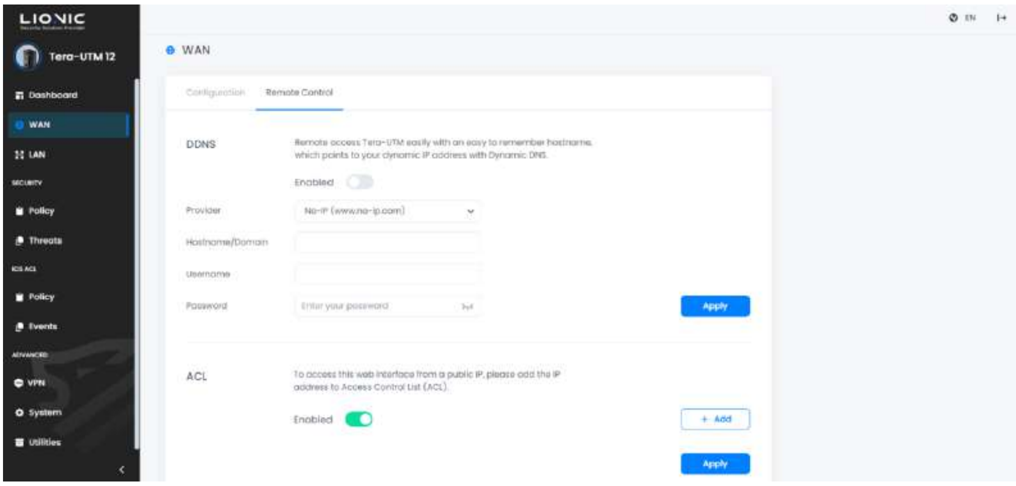
WAN IPv6 Configuration

Connection: Auto

DNS(optional): e.g. 2001:4860:4860::8888

VLAN

8. After Tera-UTM 12 obtained a valid IP address, resume the network configuration of your PC/laptop. Thereafter, you can access the web GUI by the following method:
   - When both Tera-UTM 12 and your PC/laptop are using private IP addresses in the same subnet, and the PC/laptop is located at the LAN side of Tera-UTM 12, visit http://mytera.lionic.com/ to access the web GUI.
   - When Tera-UTM 12 and your PC/laptop are using different public IP addresses, and the PC/laptop is located at the LAN side of Tera-UTM 12, access the web GUI by visiting http://10.254.254.254/ as mentioned above, go to [WAN] > [Remote Control] page and disable [ACL] (or add the IP address of the PC/laptop to the ACL). After that, visit http://mytera.lionic.com/ to access the web GUI.



DDNS

Remote access Tera-UTM easily with an easy to remember hostname, which points to your dynamic IP address with Dynamic DNS.

Enabled: ○

Provider: No-IP (www.no-ip.com)

Hostname/Domain:

Username:

Password: Enter your password

ACL

To access this web interface from a public IP, please add the IP address to Access Control List (ACL).

Enabled: ●

Overview

Dashboard:

[Dashboard] shows operating status and device information of Tera-UTM 12, including Inspection History, threat statics, network traffic monitoring and system resource usage.

WAN:

WAN settings of Tera-UTM 12 could be configured in [WAN], such as IPv4/IPv6 configurations and [Remote Control] settings.

LAN:

LAN settings of Tera-UTM 12 could be configured in [LAN]. After switching the connection mode from [Bridge Mode] (default) to [Router Mode], DHCP reservations and port forwarding are available.

Security:

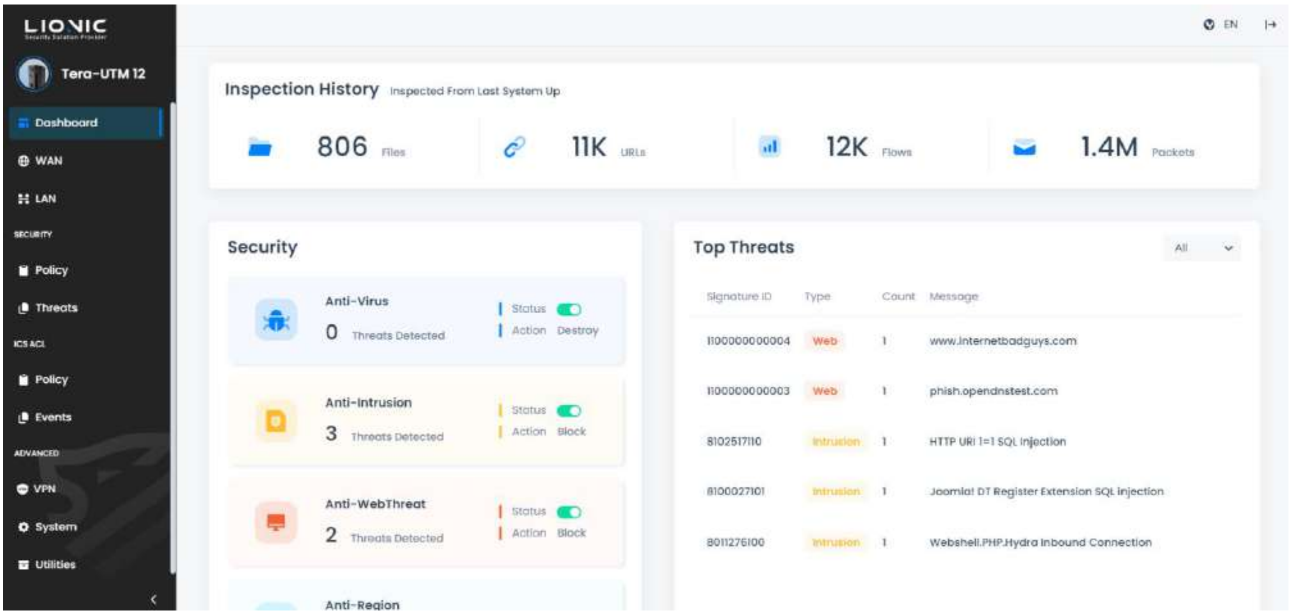
- **Policy:** Configuring protection rules for each security feature, including Anti-Virus, Anti-Intrusion, Anti-WebThreat and the firewall.
- **Threats:** Listing protection logs for each security feature.

Advanced:

- **VPN:** After the VPN server is enabled, the protecting range of Tera-UTM 12 could be expanded to your mobile devices when using cellular network or public Wi-Fi.
- **System:** Configuring system settings, including license management, server connection setting, firmware upgrade, backup and restore, etc.
- **Utilities:** Providing tools for troubleshooting, such as network tools, command-line tool and exporting system log.

Dashboard

Operating status and device information are displayed on [Dashboard] of Tera-UTM 12.



Inspection History Inspected From Last System Up

806 Files | 11K URLs | 12K Flows | 1.4M Packets

Security

Anti-Virus
0 Threats Detected
Status
Action Destroy

Anti-Intrusion
3 Threats Detected
Status
Action Block

Anti-WebThreat
2 Threats Detected
Status
Action Block

Anti-Region

Top Threats All

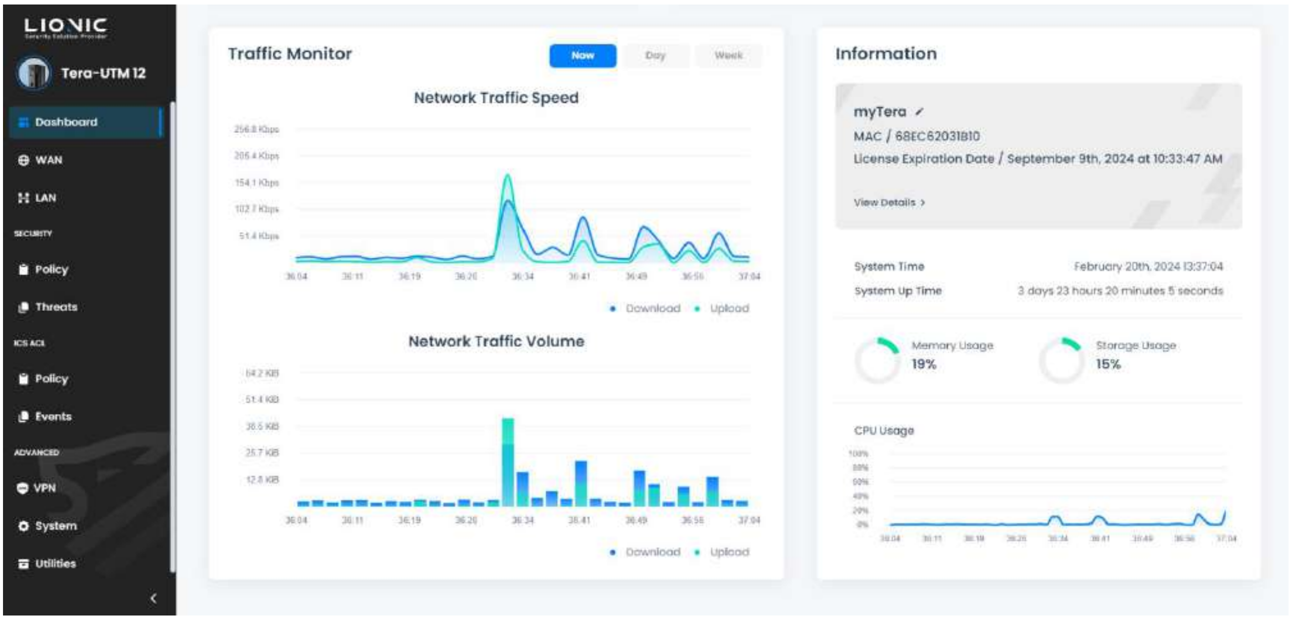
Signature ID	Type	Count	Message
1100000000004	Web	1	www.internetbadguys.com
1100000000003	Web	1	phish.opendnstest.com
8102517110	Intrusion	1	HTTP URI 1=1 SQL Injection
8100027101	Intrusion	1	Joomla! DT Register Extension SQL injection
8011276100	Intrusion	1	Webshell.PHP.Hydra Inbound Connection

Dashboard

Inspection History: Showing the inspected number of files, URLs, flows and packets from the last system up.

Security: Showing the threat number detected by Tera-UTM 12, enabling status and actions of each security feature. By clicking the threat number or the “Action” button, you can access the threat log page or the policy page of the corresponding feature.

Top Threats: Summarizing detected threat logs of each security feature, and sorting by detected counts in all features or each feature.



Information

myTera

MAC / 68EC62031B10

License Expiration Date / September 9th, 2024 at 10:33:47 AM

System Time February 20th, 2024 13:37:04

System Up Time 3 days 23 hours 20 minutes 5 seconds

Memory Usage 19%

Storage Usage 15%

Dashboard

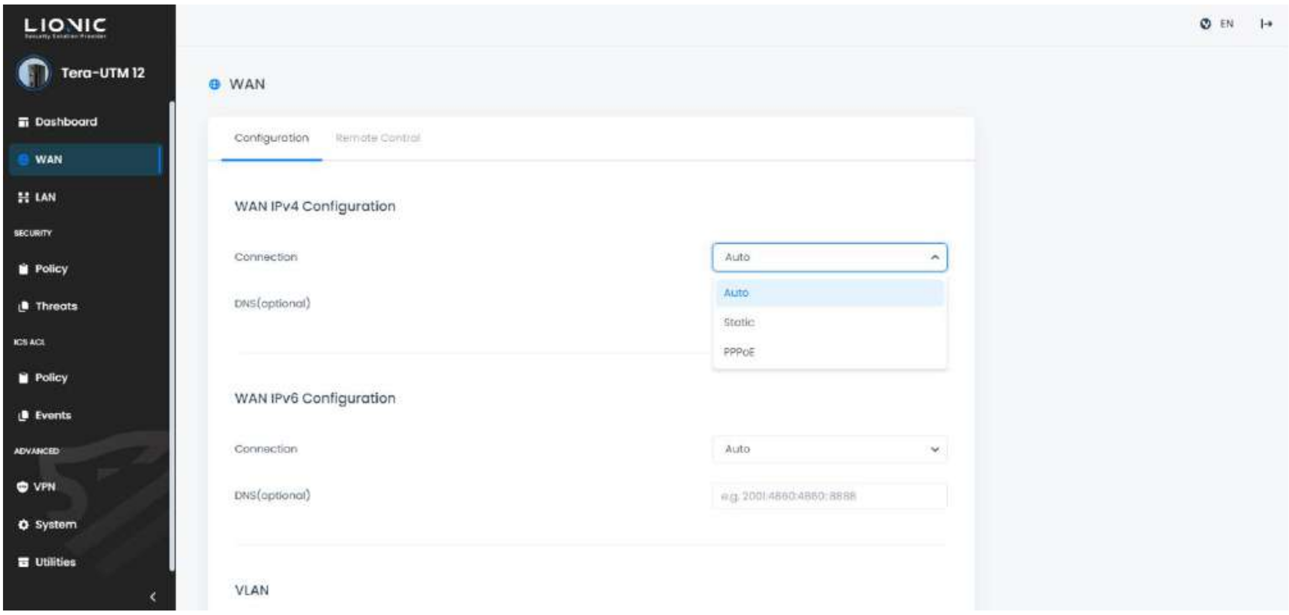
Traffic Monitor: Showing the download and upload traffic via Tera-UTM 12.

Information: Showing the device information of the Tera-UTM 12, such as the device name (editable), MAC address, license expiration date, firmware version, signature versions, WAN IP address, system time, system up time and system resource usage.

WAN

Configuration:

In [Configuration], you could set the IPv4 or IPv6 connection as [Auto] (default), [Static], or [PPPoE] based on your network environment. If you need to use [Static] or [PPPoE], please contact your ISP or IT administrator for detailed configuration.



WAN

WAN IPv4 Configuration

Connection: Auto (Auto / Static / PPPoE)

DNS(optional)

WAN IPv6 Configuration

Connection: Auto

DNS(optional): e.g. 2001:4860:4860::8888

VLAN

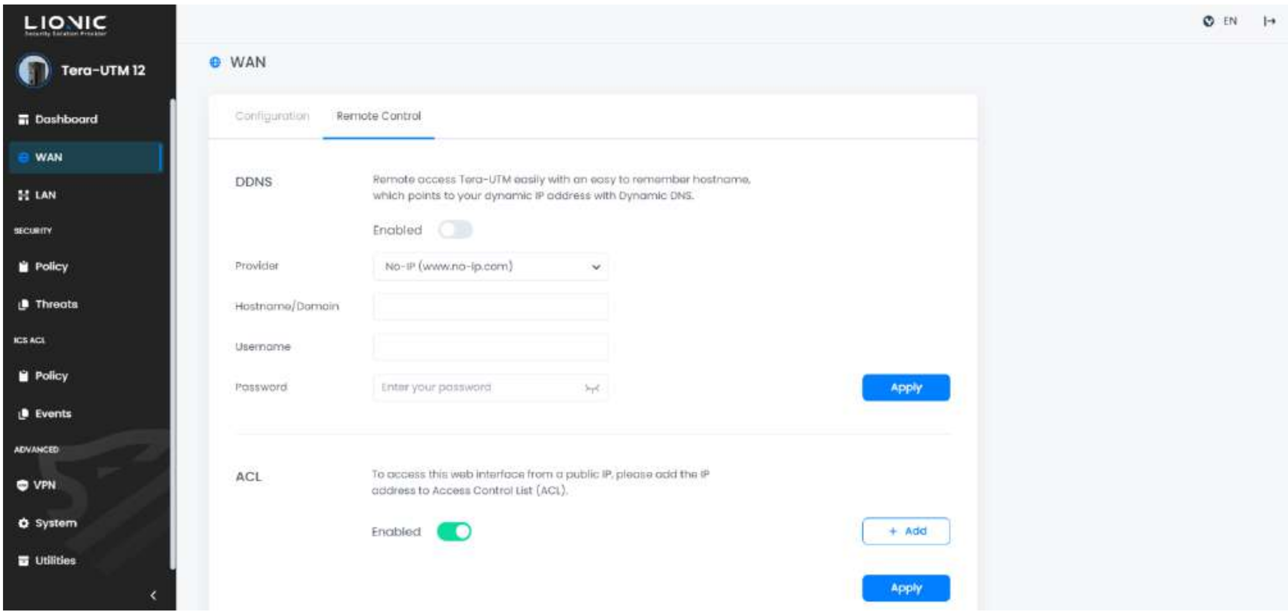
WAN- Configuration

- **Auto:** Tera-UTM 12 obtains DHCP IP address from the router placed at the WAN side of the Tera-UTM 12.
- **Static:** For user to fills the correct IP address in manual.
- **PPPoE:** For user to fills the correct username and password in manual.
- **VLAN**：When Tera-UTM 12 is deployed in a VLAN environment, you can enter the VLAN ID of the domain to which Tera-UTM 12 belongs here.
-

* Remark: When using PPPoE connection, you may not be able to access the web GUI of Tera-UTM 12 due to the restriction of the access control list (ACL). Please see [Remote Control] for more details of ACL.

Remote Control:

To prevent Tera-UTM 12 from intrusion, only devices with private IP address in the same LAN network are allowed to access the web GUI. If it is necessary to access the web GUI remotely through Internet, or if the Tera-UTM 12 connects Internet using a public IP address, please configure settings in [Remote Control].



DDNS

Remote access Tera-UTM easily with an easy to remember hostname, which points to your dynamic IP address with Dynamic DNS.

Enabled ○

Provider: No-IP (www.no-ip.com)

Hostname/Domain:

Username:

Password: Enter your password

Apply

ACL

To access this web interface from a public IP, please add the IP address to Access Control List (ACL).

Enabled ●

+ Add

Apply

WAN- Remote Control

DDNS

When the Tera-UTM 12 is using a dynamic public IP address, you could use a static domain name to access the Tera-UTM 12.

Fill the following settings after you applied a domain name from the DDNS service provider:

- **Provider:** Choose the DDNS service provider (Remark 1).
- **Hostname/Domain:** Fill the domain name you applied.
- **Username:** Fill your username for the DDNS service.
- **Password: F**ill your password for the DDNS service.
-

After you clicked [Apply] and then enabled [DDNS], you could access the web GUI of Tera-UTM 12 in remote with the domain name you applied (Remark 2).

* Remark:

1. Only No-IP DDNS service is currently supported.
2. After a new configuration is applied or the IP address is changed, it may take a moment for the

DDNS service provider to update the domain name. If you are not able to access the web GUI with the domain name during the DDNS is updating, please try again later.

3. If the Tera-UTM 12 is using a private IP address to connect Internet, please set DDNS and port forwarding on the router at the WAN side of Tera-UTM 12.

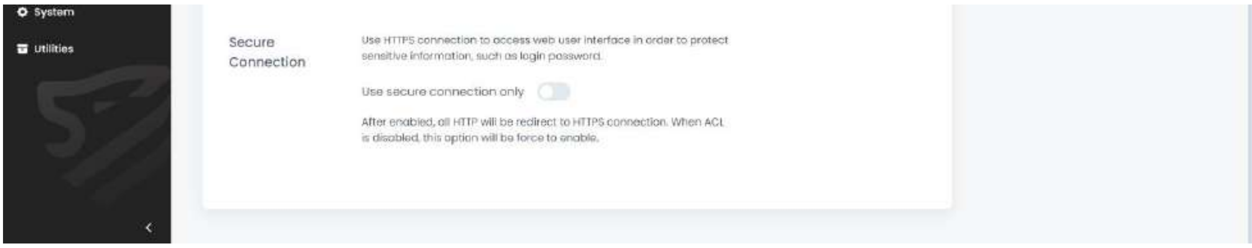
Access Control List (ACL)

To prevent Tera-UTM 12 from intrusion, only devices with private IP address in the same LAN network are allowed to access the web GUI. If it is necessary to access the web GUI remotely through Internet, or if the Tera-UTM 12 connects Internet using a public IP address, the IP address that would be used to access Tera-UTM 12 should be added into the Access Control List (ACL).

Step 1: Click [+ Add].
Step 2: Enter the IP address that would be used to access Tera-UTM 12 in the input field.
Step 3: Click [Apply].
If the IP address is not fixed (for example, the device is using dynamic IP addresses) (Remark 1), disable ACL so that all devices are allowed to access Tera-UTM 12.

* Remark:

1. To keep the connection secure, [Secure Connection] will be enabled automatically and cannot be disabled while [ACL] is disabled.



Secure Connection

Use HTTPS connection to access web user interface in order to protect sensitive information, such as login password.

Use secure connection only ○

After enabled, all HTTP will be redirect to HTTPS connection. When ACL is disabled, this option will be force to enable.

WAN- Secure Connection

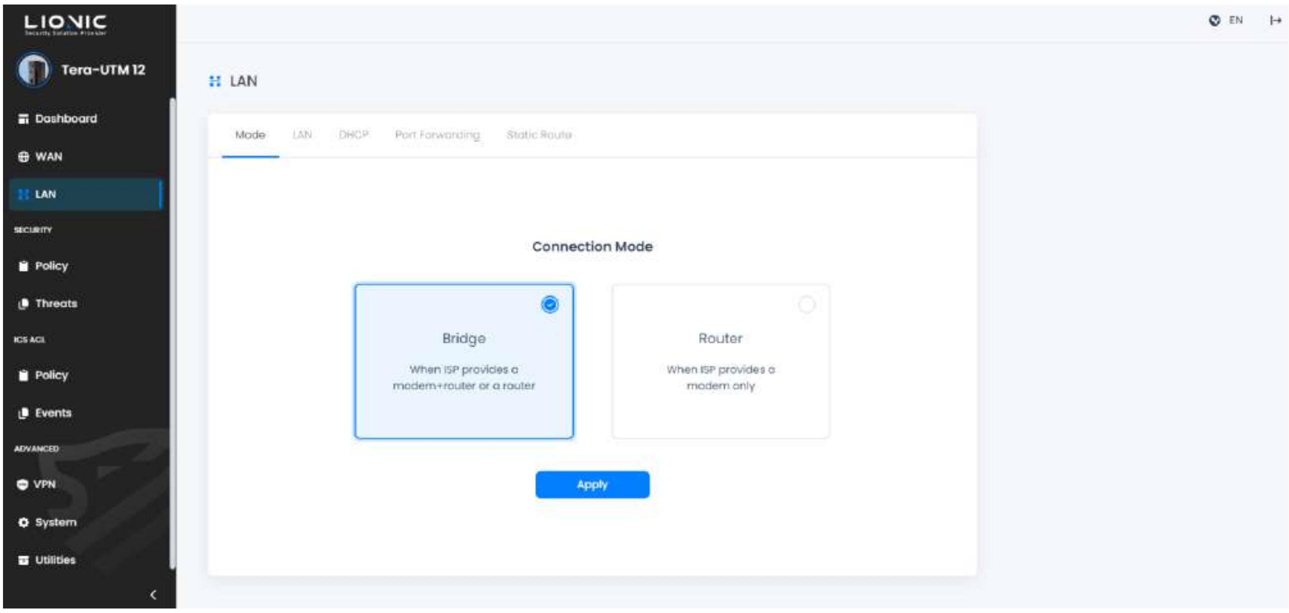
Secure Connection

After [Secure Connection] is enabled, all HTTP connections accessing the web GUI of Tera-UTM 12 will be redirected to HTTPS connections, so that sensitive information like login password can be protected. While [ACL] is disabled, [Secure Connection] will be forced to enable.

LAN

Connection Mode:

Tera-UTM 12 supports 2 connection modes. Select a suitable connection mode based on your network environment.



Connection Mode

● Bridge
When ISP provides a modem+router or a router

○ Router
When ISP provides a modem only

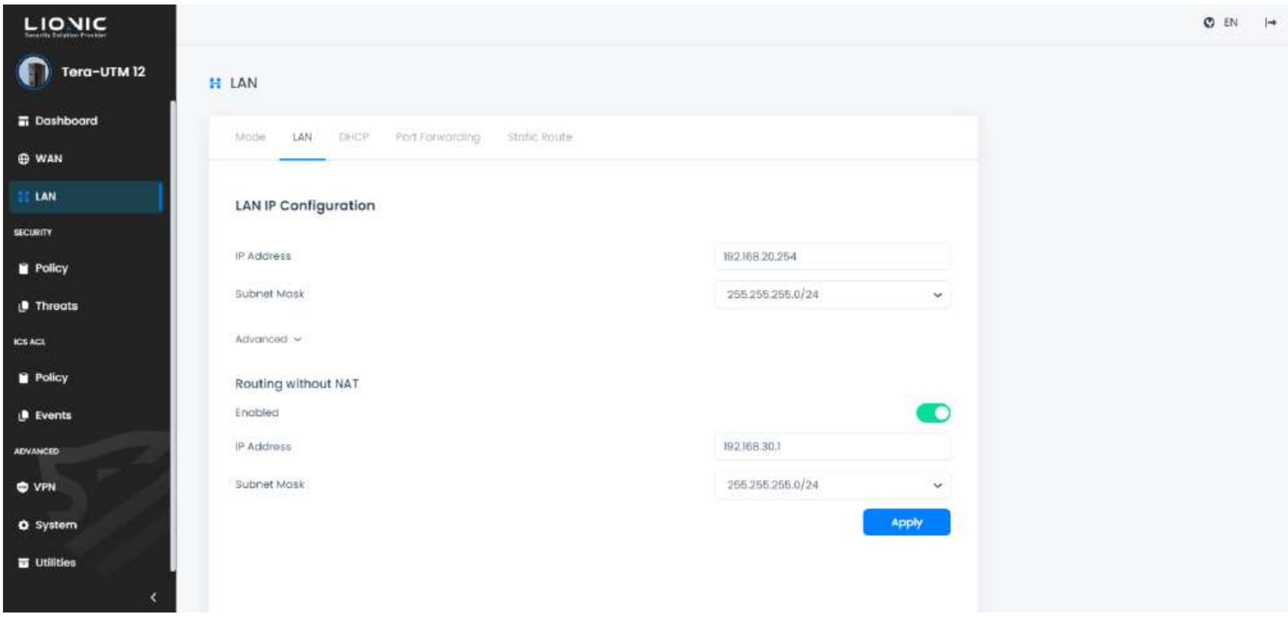
LAN-Connection Mode

- **Bridge mode (default):**
  DHCP is disable to LAN devices in [Bridge] mode. Please connect Tera-UTM 12 to the LAN side of a router.
- **Router mode:**
  DHCP is enable to LAN devices in [Router] mode. Please make sure only 1 IP address is assigned to Tera-UTM 12 and its LAN devices.

After you selected the suitable connection mode and clicked [Apply], Tera-UTM 12 would start configuring the network function. The Internet connection would be interrupted during the configuring, and you may need to login again to access the web GUI.

LAN :

In [Router Mode], users can independently set the local network IP subnet. After entering the designated subnet into the input box, click [Apply], and DHCP will automatically assign IP addresses within the configured range.



LAN IP Configuration

IP Address 192.168.20.254

Subnet Mask 255.255.255.0/24

Routing without NAT

Enabled

IP Address 192.168.30.1

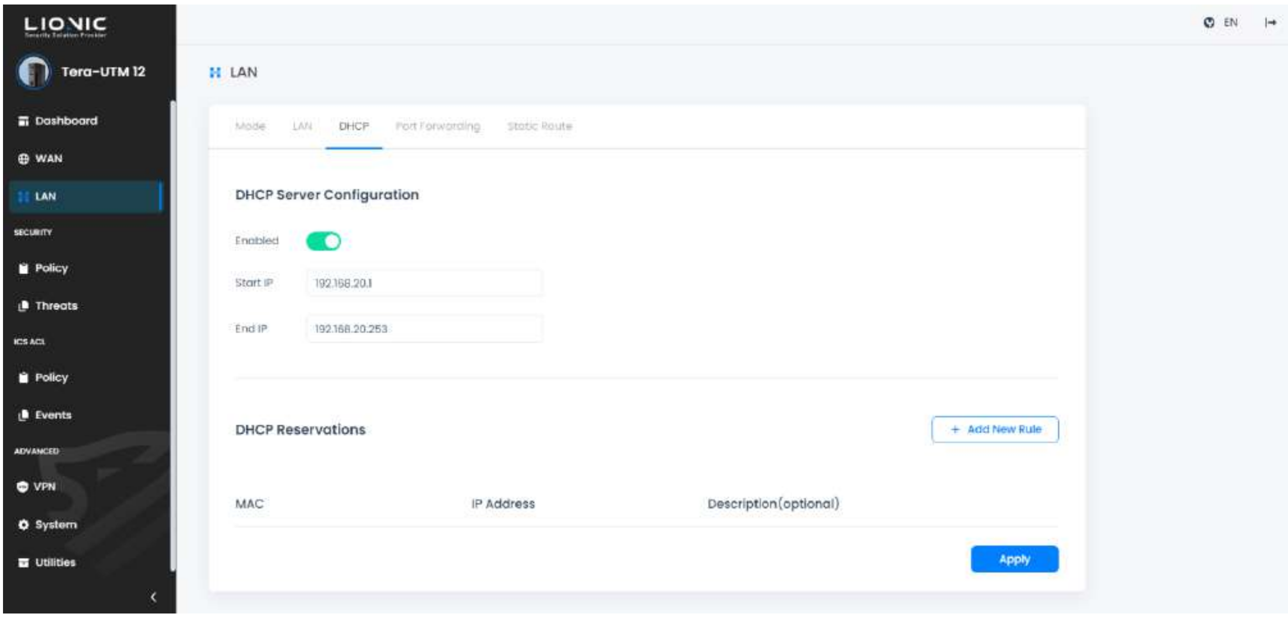
Subnet Mask 255.255.255.0/24

LAN-LAN IP

- **Routing without NAT**
  In [Router Mode], users can independently set the IP subnet for non-NAT routing. When there is no need for NAT translation between the external network and the internal network, enter the designated subnet into the input box and click [Apply] to enable this feature.

DHCP

In [Router] mode, Tera-UTM 12 is able to assign DHCP IP addresses to devices deployed at its LAN side (LAN devices). When there is only 1 WAN IP address assigned to Tera-UTM 12, you can use DHCP to assign private IP addresses to LAN devices.



DHCP Server Configuration

Enabled: ●

Start IP: 192.168.20.1

End IP: 192.168.20.253

DHCP Reservations

MAC	IP Address	Description(optional)

LAN-DHCP

DHCP Server Configuration

- **Enable:** Enable/Disable DHCP Server Function
- **Start IP Address and End IP Address**: The IP range that the DHCP server will assign based on the customized IP address settings in [LAN] > [LAN] > [LAN IP Configuration

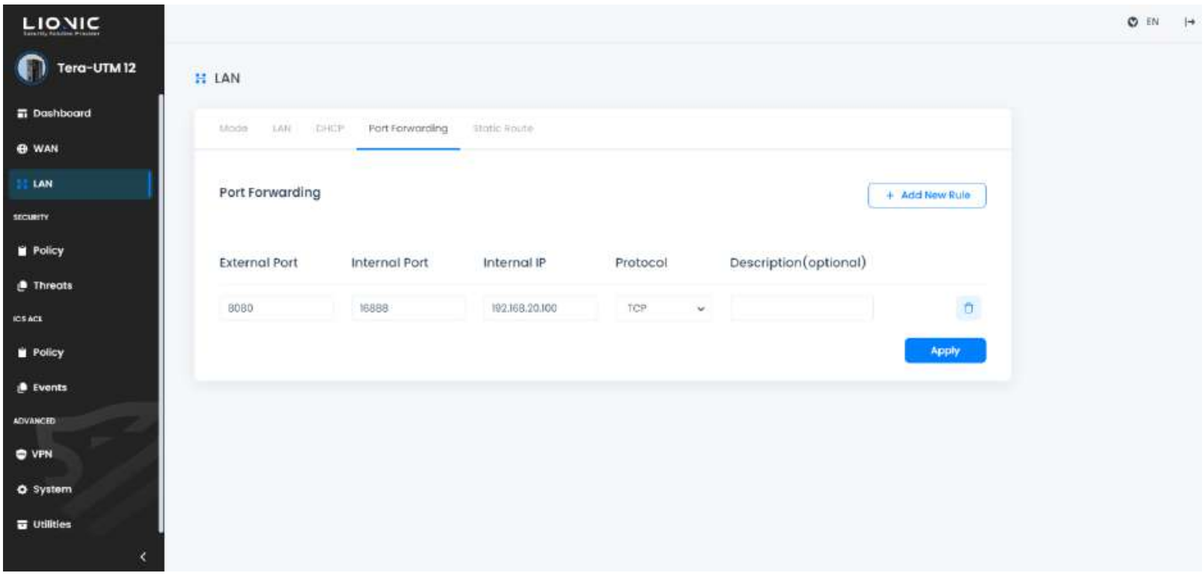
DHCP Reservations

If you need to reserve a static IP address for a specific LAN device, enter the MAC address of the LAN device and the IP address you would like to reserve, then click [Apply].

*Remark: You may need to update the network configuration of the LAN device to get the reserved IP address.

Port Forwarding

In [Router] mode, Tera-UTM 12 supports [Port Forwarding]. If you need to access a LAN device from Internet, set the internal port and internal IP address to access the LAN device through a specific external port.



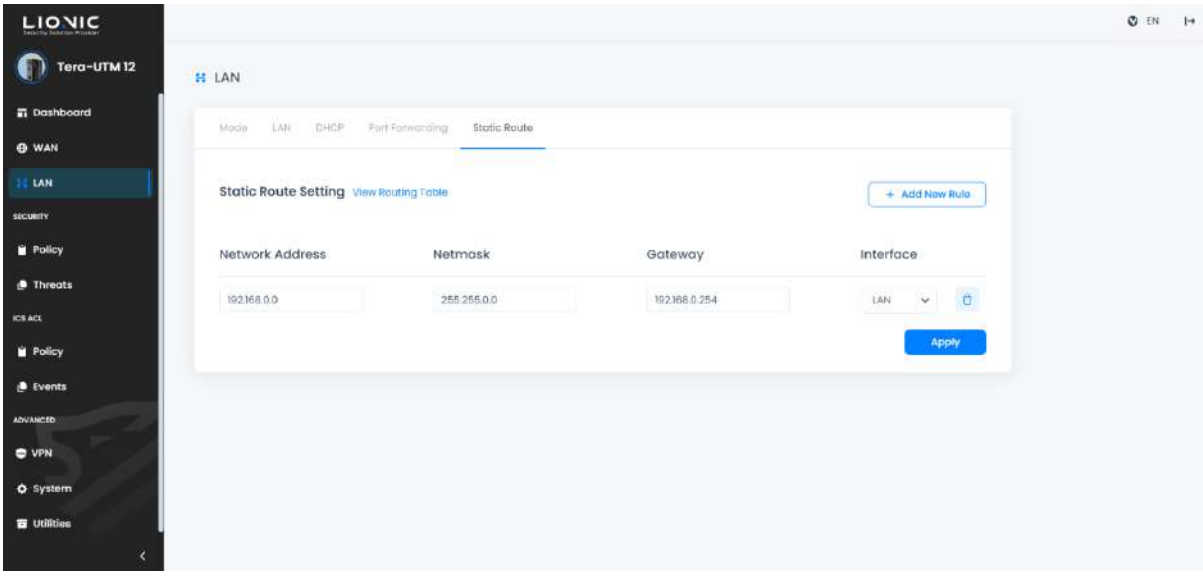
Port Forwarding

External Port	Internal Port	Internal IP	Protocol	Description(optional)
8080	16888	192.168.20.100	TCP	

LAN-Port Forwarding

Static Route

In [Router Mode], the Tera-UTM 12 can provide static routing functionality. This feature can be used when there is a need to connect different network segments.



Static Route Setting

Network Address	Netmask	Gateway	Interface
192.168.0.0	255.255.0.0	192.168.0.254	LAN

LAN-Static Route

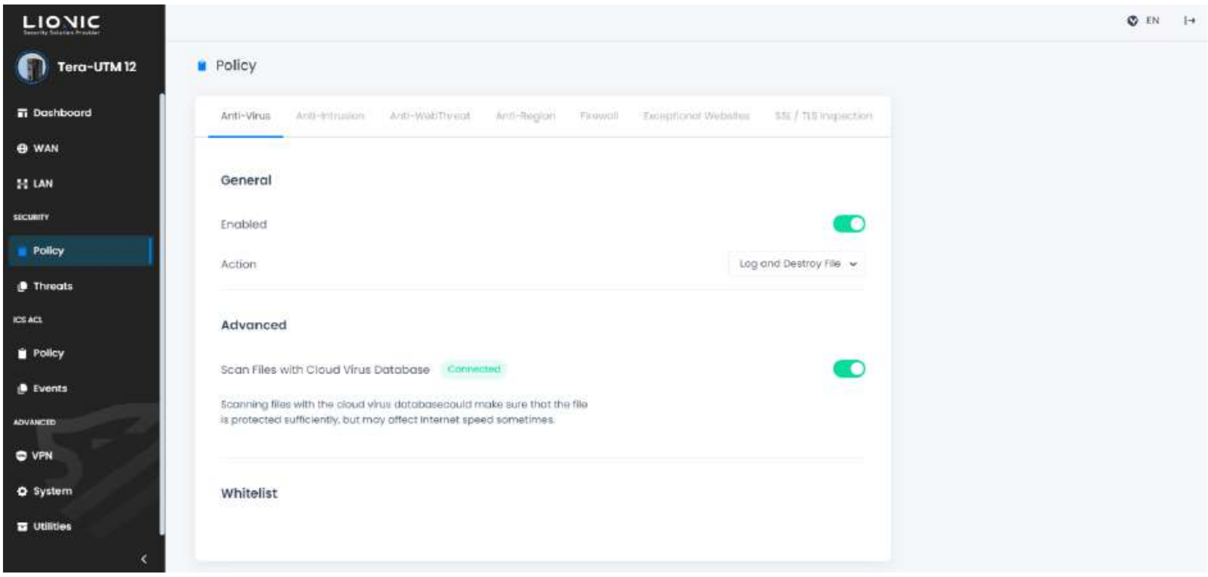
Policy

Tera-UTM 12 provides 3 cyber-security features based on the Deep Packet Inspection (DPI) technology:

- **Anti-Virus:** Inspect virus from packets and then destroy it.
- **Anti-Intrusion:** Detect intrusion from packets and then block the attack.
- **Anti-WebThreat:** Detect malicious websites connection from packets and disconnect.

In [Policy] page, you can configure protection rules for these 3 features:

Feature	**Anti-Virus**	**Anti-Intrusion**	**Anti-WebThreat**
Enabled	Enable / Disable	Enable / Disable	Enable / Disable
Action	Log Only / Log and Destroy File	Log Only / Log and Block	Log Only / Log and Block
Advanced	Scan Files with Cloud Virus Database	Block Brute-force attacks, Block Protocol Anomaly, Block Port Scan and DoS Attacks, Keep PCAP when a threat is detected	Configure External Database for Malicious Webpages
Whitelist	View and remove whitelist rule	View and remove whitelist rule	View and remove whitelist rule



General

Enabled

Action: Log and Destroy File

Advanced

Scan Files with Cloud Virus Database Connected

Scanning files with the cloud virus databasecould make sure that the file is protected sufficiently, but may affect Internet speed sometimes.

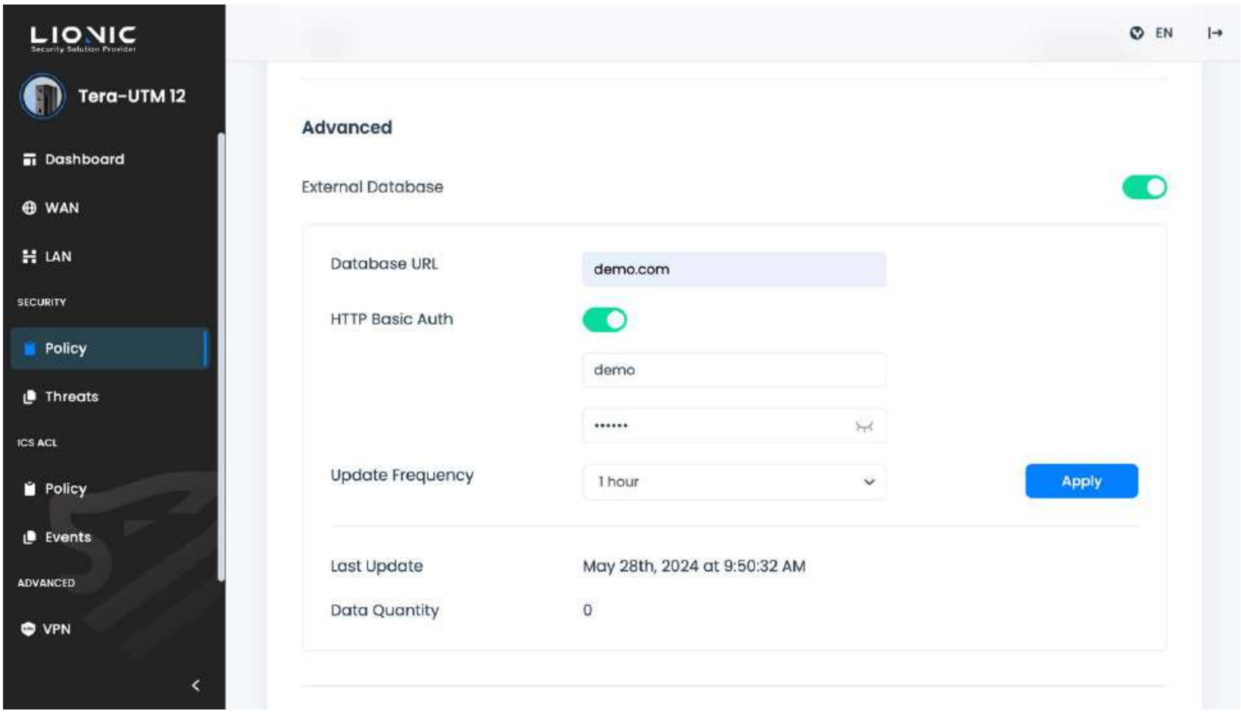
Whitelist

Policy

- **Enabled:** Enable or disable each security feature separately. The default setting is ENABLE.
- **Action:** The action that Tera-UTM 12 takes after the threat is detected.
  - Log Only: Only shows the threat event in [Threats] page.
  - Log and Destroy File: Shows the threat event in [Threats] page and destroys the virus file.
  - Log and Block: Shows the threat event in [Threats] page and blocks the connection.
- **Scan Files with Cloud Virus Database:** Besides the scan with the local virus signatures, Tera-UTM 12 features the scan with LIONIC cloud virus database. To obtain the full protection of Anti-Virus, please make sure your Tera-UTM 12 is activated with a valid license code, and connected to the Internet.
- **Block Brute-force attacks:** After this function is enabled, Tera-UTM 12 can detect frequent login failures in a short period. Once the occurrence frequency is higher than the threshold, Tera-UTM 12 will record or block the attempting attack based on the frequency.
- **Block Protocol Anomaly:** After enabling this feature, Tera-UTM 12 's [Anti-Intrusion] can detect abnormal packets that do not comply with communication protocol specifications and block them.
- **Block Port Scan and Dos Attacks:**
  - Prevent DoS attacks that involve a rapid increase in connections for TCP, TCP half-open, UDP, ICMP, SCTP, and IP protocols in a short period.
  - Block devices that send a large number of packets in abnormal formats.

- Block communication port scanning attempts such as TCP SYN scan, TCP RST scan, and UDP scan.

- **Keep PCAP when a threat is detected:** After enabling this feature, Tera-UTM 12 will save packets considered as threats when detected in [Anti-Intrusion], allowing for subsequent analysis.
- **Configure External Database for Malicious Webpages**： Allow users to configure external data sources to meet advanced protection requirements.



Advanced

External Database

Database URL demo.com

HTTP Basic Auth

demo

••••••

Update Frequency 1 hour

Apply

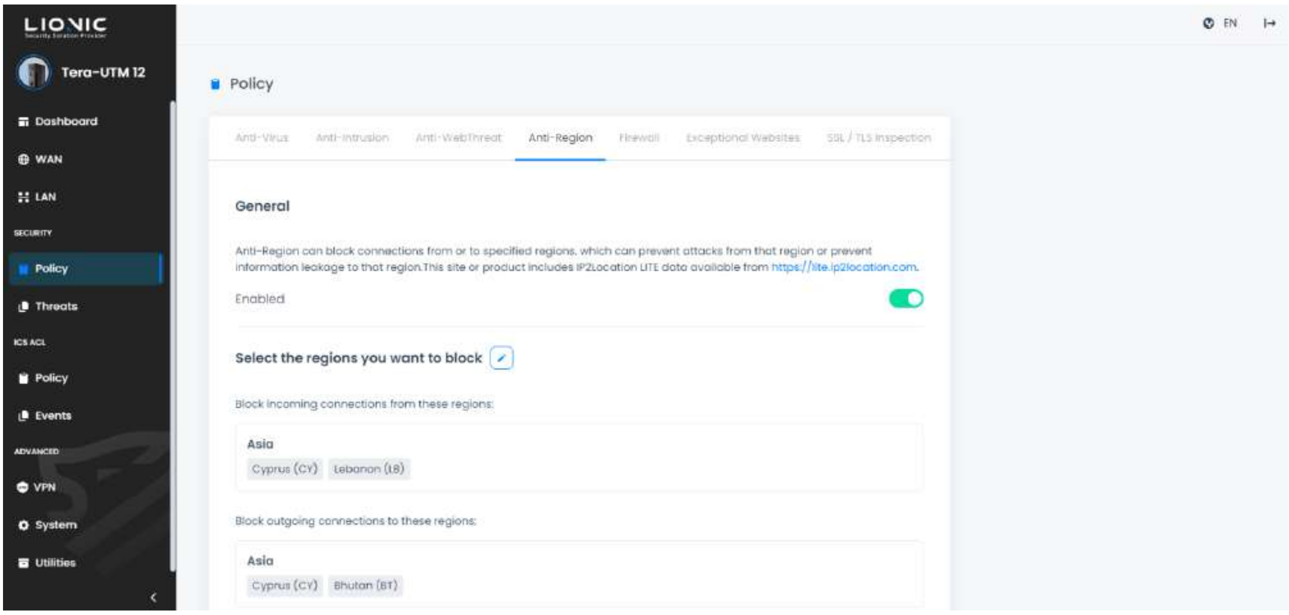
Last Update May 28th, 2024 at 9:50:32 AM

Data Quantity 0

- **Whitelist:** To correct a trusted file or connection destroyed/blocked by Tera-UTM 12 by adding the threat to the whitelist.
  - Add to whitelist: Find the threat event in [Threats] page, and then click [+] to add it into the whitelist.
  - View and remove whitelist rule: View the whitelist rule in [Policy] page, and remove the rule if needed.

Anti-Region：

Based on the user-configured country/region, block attacks from that region or prevent information leakage to that region by blocking IP addresses.



General

Anti-Region can block connections from or to specified regions, which can prevent attacks from that region or prevent information leakage to that region.This site or product includes IP2Location LITE data available from https://lite.ip2location.com.

Enabled

Select the regions you want to block

Block incoming connections from these regions:

Asia
Cyprus (CY) Lebanon (LB)

Block outgoing connections to these regions:

Asia
Cyprus (CY) Bhutan (BT)

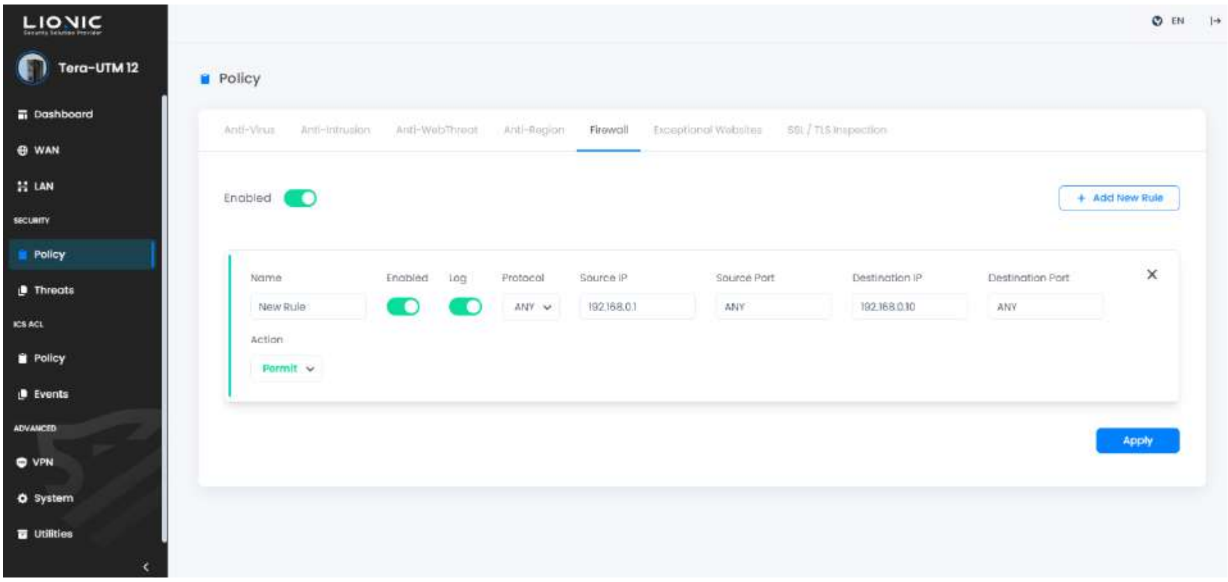
Policy- Anti-Region

- **Step 1:** Enable Geographical Blocking.
- **Step 2:** Click Select Allow/Block Region.
- **Step 3:** Enter the respective configuration values.
- **Step 4 :** After clicking [Yes], the changes will take effect.

- **Whitelist:** Whitelist exceptions can be configured based on the countries/regions that have been set.

Firewall:

Besides the 3 cyber-security features, Tera-UTM 12 also provide a basic firewall.



Enabled: ●

Name	Enabled	Log	Protocol	Source IP	Source Port	Destination IP	Destination Port
New Rule	●	●	ANY	192.168.0.1	ANY	192.168.0.10	ANY

Action: Permit

Policy-Firewall

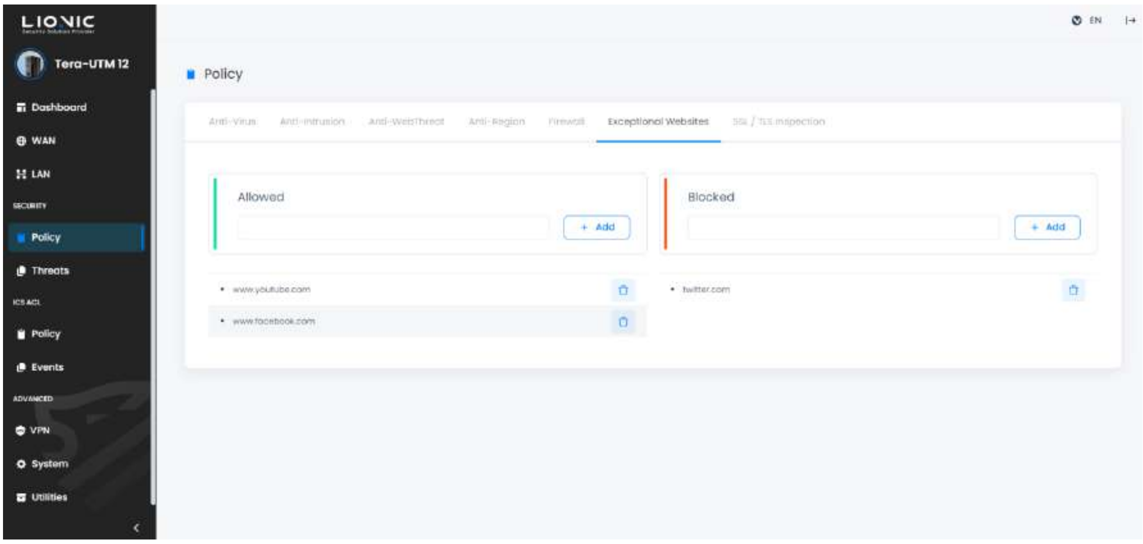
- **Step 1:** Enable the firewall (default is enabled).
- **Step 2:** Click [+Add New Rule].
- **Step 3:** Fill each configuration.
- **Step 4:** Click [Apply] to take effect.

Firewall Configuration:

- **Name:** A user-defined firewall rule name.
- **Enabled:** Enable / disable the firewall rule.
- **Log:** Show / Hidden the firewall event in [Threats] page.
- **Protocol:** TCP / UDP / ANY.
- **Source IP, Source Port, Destination IP, Destination Port:** Criteria of the firewall rule.
- **Action:** Permit / deny the connection that matches the criteria.

Exceptional Websites:

Add a specific website into [Exceptional Websites] to allow or block all connection to the website.



Allowed

- www.youtube.com
- www.facebook.com

Blocked

- twitter.com

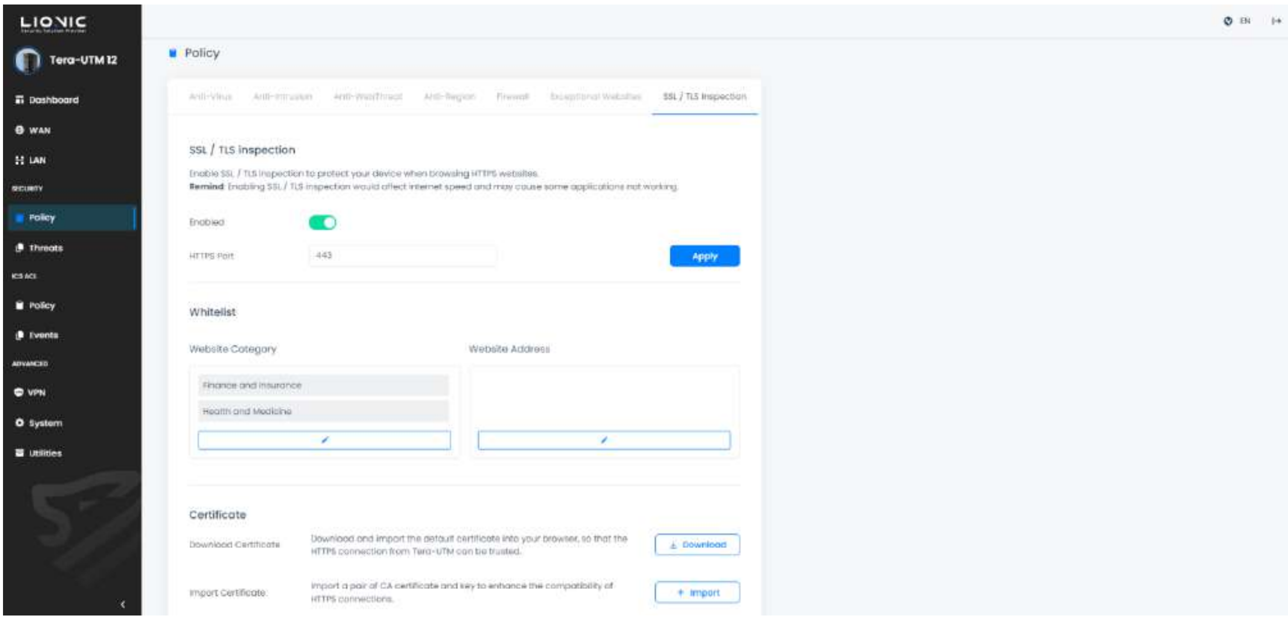
Policy-Exceptional Websites

- **Step 1:** Fill the input field with the URL or IP address of the website which you would like to allow / deny.
- **Step 2:** Click [+ Add] to take effect.

*Remark: Some of the website or cloud service requires more than 1 domain name or IP address to access different pages. You may not completely allow or deny this kind of website until you added all URLs / IP addresses.

SSL / TLS Inspection:

After [SSL / TLS inspection] is enabled, Tera-UTM 12 will inspect packets encrypted with SSL or TLS, in order to protect your device when browsing HTTPS websites.



SSL / TLS inspection

Enable SSL / TLS inspection to protect your device when browsing HTTPS websites.
Remind: Enabling SSL / TLS inspection would affect internet speed and may cause some applications not working.

Enabled: on

HTTPS Port: 443

Whitelist

Website Category: Finance and Insurance, Health and Medicine

Website Address

Certificate

Download Certificate: Download and import the default certificate into your browser, so that the HTTPS connection from Tera-UTM can be trusted.

Import Certificate: Import a pair of CA certificate and key to enhance the compatibility of HTTPS connections.

Policy-SSL/TLS Inspection

*Remark: Enabling [SSL / TLS Inspection] would affect internet speed and may cause some applications not working.

- **Enabled:** Enable or disable [SSL / TLS Inspection]. The default setting is DISABLE.
- **HTTPS Port:** Set the port* used by HTTPS connection. The default setting is 443. If you would like to set multiple ports, please separate them with “,”.

*Remark:

1. Enabling [SSL / TLS Inspection] would affect internet speed and may cause some applications not working.
2. When setting the HTTPS port, please avoid common ports used by other network services, such as Port 20, 21 for FTP, Port 25 for SMTP, etc., in order to prevent port conflict issues.

- **Whitelist:** After a website is added into the whitelist, Tera-UTM 12 will not inspect encrypted packets from / to the website. If you would like to keep the SSL / TLS packet encrypted due to the compatibility or the privacy, please add the trusted website into the whitelist.
  - **Website Category:** Tera-UTM 12 provides multiple website categories as whitelist options. The categories in the default whitelist are “Finance and

Insurance” and “Health and Medicine”. After a category is added into the whitelist, the website that classified as the category will not be inspected.

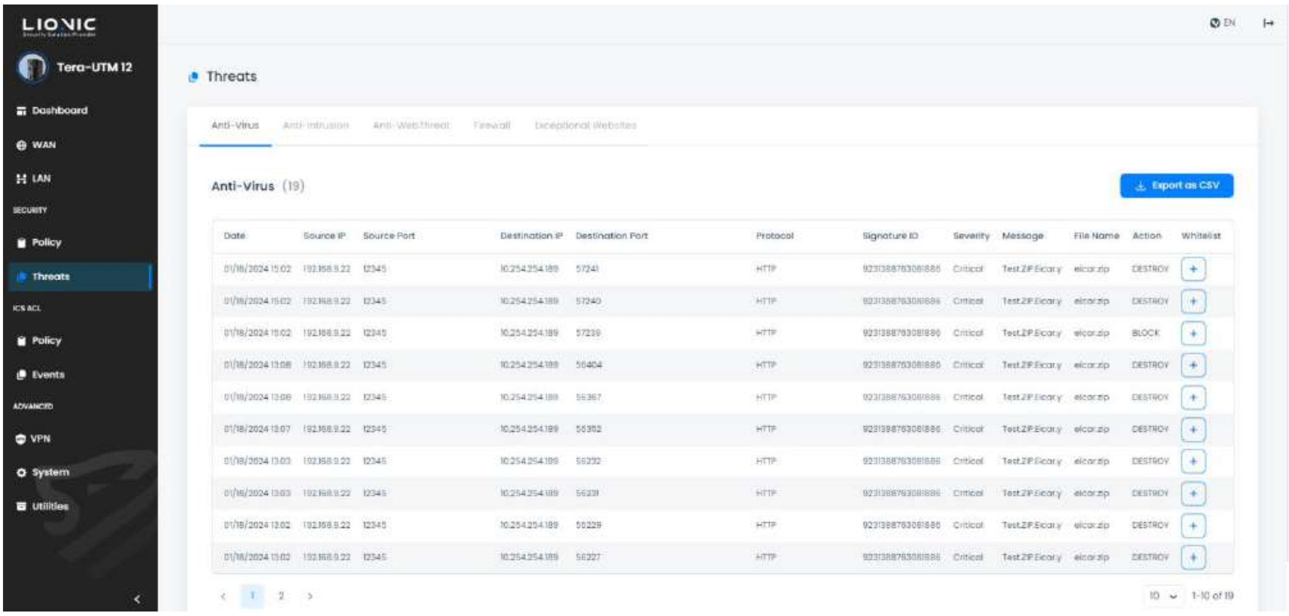
- **Website Address:** Tera-UTM 12 provides a customizable field to add trusted website addresses into the whitelist. After adding the specified website address into the whitelist, the encrypted connection from / to the website will not be inspected.

- **Download Certificate:** Download and import the default certificate into your browser, so that the HTTPS connection from Tera-UTM can be trusted.
- **Import Certificate:** Import a pair of CA certificate and key to enhance the compatibility of HTTPS connections.
-

*Remark: To enhance the compatibilty after [SSL / TLS Inspection] is enabled, some trusted network services, such as Apple, Google, Microsoft, etc., have been added into the whitelist.

Threats

After a threat is detected by Tera-UTM 12, the detailed threat information would be shown on the corresponding tab of each security feature in [Threats] page.



Anti-Virus (19)

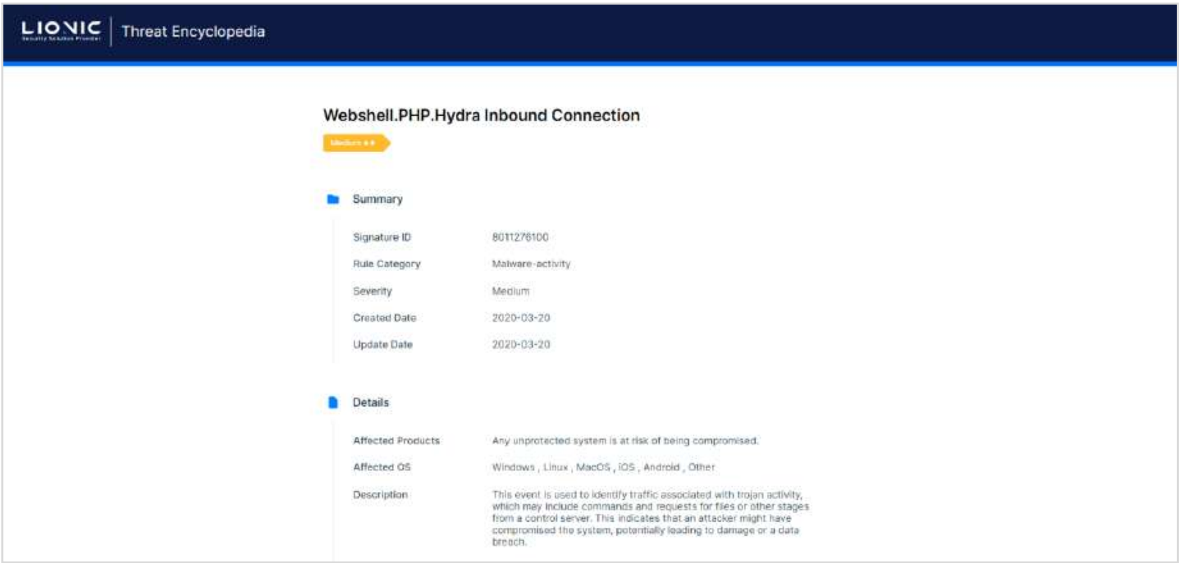
Date	Source IP	Source Port	Destination IP	Destination Port	Protocol	Signature ID	Severity	Message	File Name	Action	Whitelist
01/18/2024 15:02	192.168.9.22	12345	10.254.254.189	57241	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 15:02	192.168.9.22	12345	10.254.254.189	57240	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 15:02	192.168.9.22	12345	10.254.254.189	57239	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	BLOCK	+
01/18/2024 13:08	192.168.9.22	12345	10.254.254.189	56404	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:08	192.168.9.22	12345	10.254.254.189	56367	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:07	192.168.9.22	12345	10.254.254.189	56362	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:03	192.168.9.22	12345	10.254.254.189	56232	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:03	192.168.9.22	12345	10.254.254.189	56231	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:02	192.168.9.22	12345	10.254.254.189	56229	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:02	192.168.9.22	12345	10.254.254.189	56227	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+

Threats

- **Export as CSV:** Export and download the log in a CSV file.
- **Whitelist:** If Tera-UTM 12 destroyed a trusted file or blocked a trusted connection, it can be corrected by adding the threat on the whitelist.
  - Add to whitelist: Find the threat event in [Threats] page, and then click [+] to add it into the whitelist.
  - View and remove whitelist rule: View the whitelist rule in [Policy] page, and remove the rule if needed.

Threat Encyclopedia:

In the security logs of [Intrusion Prevention], clicking on the Signature ID allows you to access the analysis and solutions for the corresponding attack.



Webshell.PHP.Hydra Inbound Connection

Summary

Signature ID	8011276100
Rule Category	Malware-activity
Severity	Medium
Created Date	2020-03-20
Update Date	2020-03-20

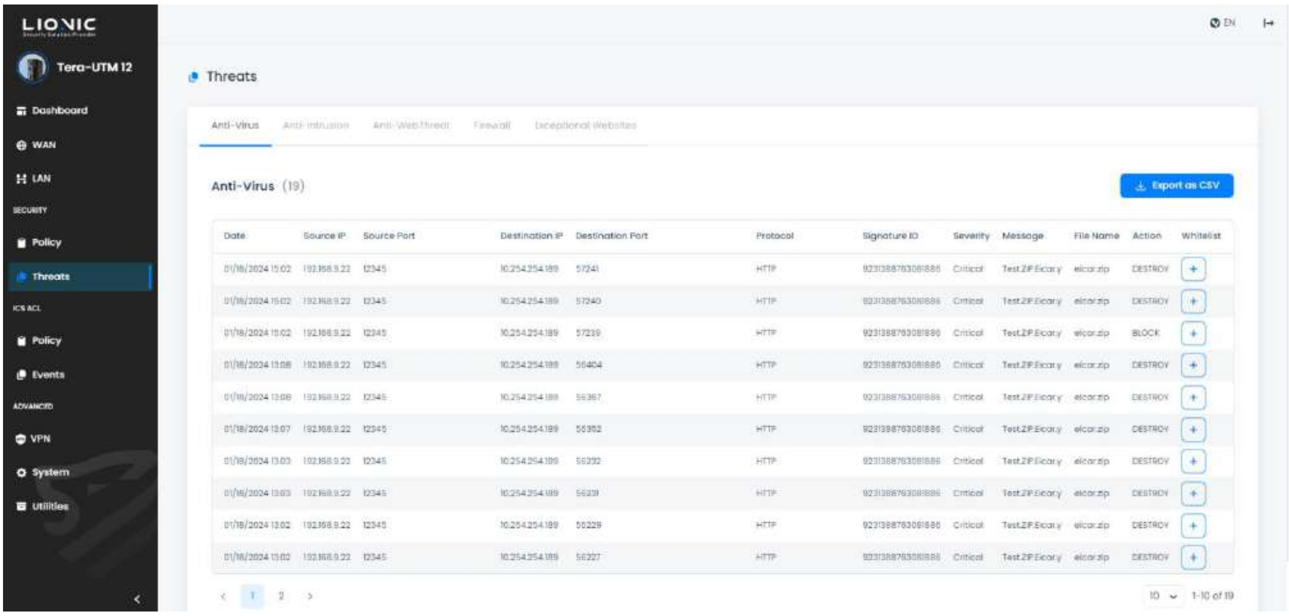
Details

Affected Products	Any unprotected system is at risk of being compromised.
Affected OS	Windows , Linux , MacOS , iOS , Android , Other
Description	This event is used to identify traffic associated with trojan activity, which may include commands and requests for files or other stages from a control server. This indicates that an attacker might have compromised the system, potentially leading to damage or a data breach.

Threats-Threats Encyclopedia

PCAP Packet Download:

When events of compromise or blockage occur on Tera-UTM 12, clicking [PCAP] > [Download] allows for packet download for further analysis.



Anti-Virus (19)

Date	Source IP	Source Port	Destination IP	Destination Port	Protocol	Signature ID	Severity	Message	File Name	Action	Whitelist
01/18/2024 15:02	192.168.9.22	12345	10.254.254.189	57241	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 15:02	192.168.9.22	12345	10.254.254.189	57240	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 15:02	192.168.9.22	12345	10.254.254.189	57239	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	BLOCK	+
01/18/2024 13:08	192.168.9.22	12345	10.254.254.189	56404	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:08	192.168.9.22	12345	10.254.254.189	56367	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:07	192.168.9.22	12345	10.254.254.189	56362	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:03	192.168.9.22	12345	10.254.254.189	56232	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:03	192.168.9.22	12345	10.254.254.189	56231	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:02	192.168.9.22	12345	10.254.254.189	56229	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+
01/18/2024 13:02	192.168.9.22	12345	10.254.254.189	56227	HTTP	9231388763081886	Critical	Test.ZIP.Eicar.y	eicar.zip	DESTROY	+

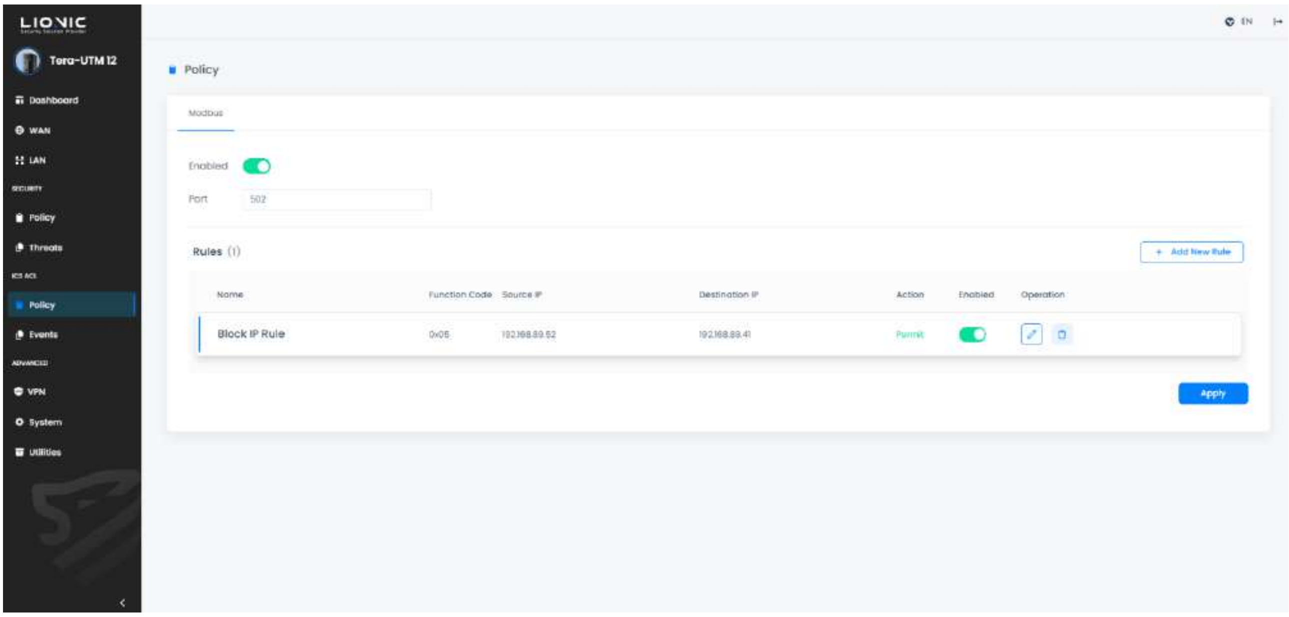
< 1 2 >   10 ⌄ 1-10 of 19

Threats-PCAP Download

* Remark: [Policy] > [Anti-Intrusion] > [Keep PCAP when a threat is detected] function needs to be enabled.

ICS ACL

Tera-UTM 12 can inspect packets in commonly used Industrial Control System protocols (ICS protocols). Users can customize access control rules allowing / blocking commands between ICS devices.



Enabled: ●
Port: 502

Rules (1)

Name	Function Code	Source IP	Destination IP	Action	Enabled	Operation
Block IP Rule	0x05	192.168.89.52	192.168.89.41	Permit	●	

Policy

Policy:

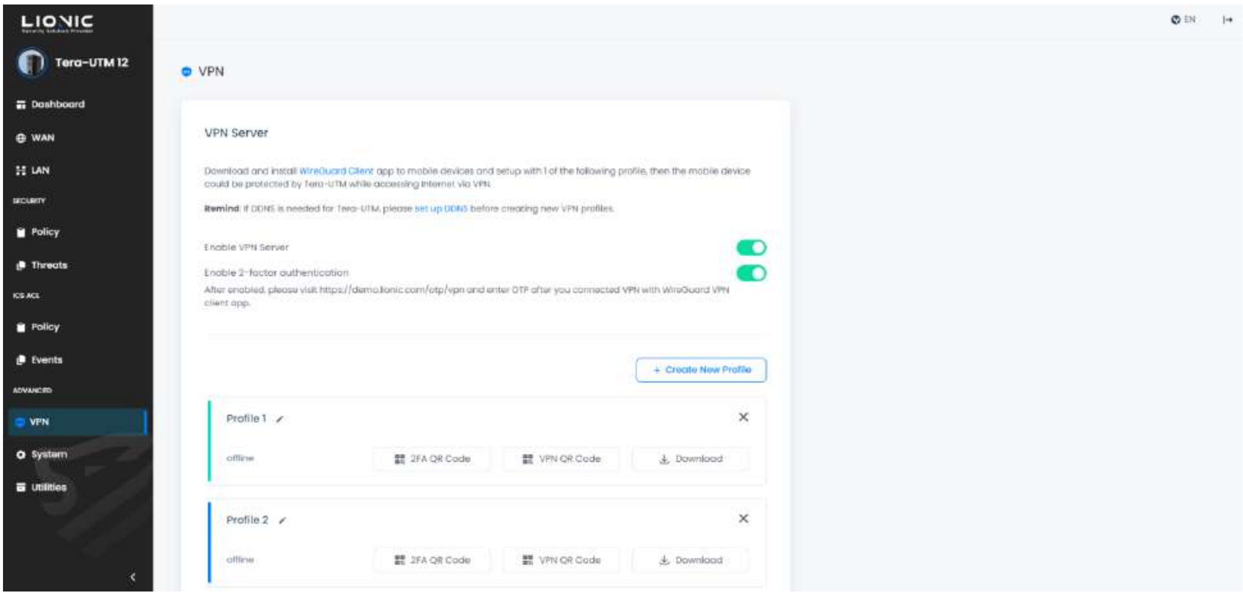
- **Step 1:** Enable Modbus access control (default: disabled).
- **Step 2:** Click [+Add New Rule].
- **Step 3:** Fill each configuration.
- **Step 4:** Click [Apply] to take effect.

Rule Settings:

- **Enabled:** Enabled / disable the selected access control rule.
- **Name:** Customize rule name.
- **Source IP, Destination IP, Unit ID:** Detecting criteria of the access control rule.
- **Log:** Control whether the event that match this rule should be displayed in [Events].
- **Action:** Allow or block, the action that would be taken if the rule is hit.
- **Direction:** Set the command sending or request detection for the rule.
- **Function Code:** Set the function type for the rule.

VPN Server

Enable the VPN server to expand the protecting range of Tera-UTM 12 to devices using cellular network or public Wi-Fi. Mobile devices could be protected by Tera-UTM 12 while accessing Internet via VPN.



VPN

VPN Server

Download and install WireGuard Client app to mobile devices and setup with 1 of the following profile, then the mobile device could be protected by Tera-UTM while accessing Internet via VPN.

Remind: If DDNS is needed for Tera-UTM, please set up DDNS before creating new VPN profiles.

Enable VPN Server

Enable 2-factor authentication

After enabled, please visit https://demo.lionic.com/otp/vpn and enter OTP after you connected VPN with WireGuard VPN client app.

VPN Server

Preparation:
Download and install WireGuard Client app to the device which needs the protection of Tera-UTM 12.

Setup：

- **Step 1:** Click [Enable VPN Server].
- **Step 2:** Click [+ Create New Profile].
- **Step 3:**
  - For mobile phones or tablets: Click [Show QR Code] and scan the QR code with WireGuard Client app.
  - For laptops or PCs:Click [Download] and import the profile into WireGuard Client app.

After the setup is done, please connect Tera-UTM 12 via VPN with WireGuard Client app whenever the protection of Tera-UTM 12 is needed.

* Remark:

1. If you would like to set DDNS for Tera-UTM 12, please setup before enabling the VPN server.
2. If there is a router at the WAN side of Tera-UTM 12, please set port forwarding on the router, so that the connection could be redirected to Port 51820 of Tera-UTM 12. Meanwhile, please edit the profile manually in WireGuard Client app, use the IP address or domain name of the router as the VPN server address.
3. If the VPN connection failed, please try to reconnect the VPN server with WireGuard Client app.

Enable 2-factor authentication for VPN server

After [2-factor authentication] (2FA) is enabled, an extra one-time-password (OTP) is required before accessing Internet via VPN. This feature is used to enhance the VPN profile security.

Preparation:

1. Download and install WireGuard Client app to the device which needs the protection of Tera-UTM 12.
2. Download and install Google Authenticator app or other OTP apps.

Setup:

- **Step 1:** Click [Enable VPN Server] and [Enable 2-factor authentication].
- **Step 2:** Click [+ Create New Profile].
- **Step 3:** Click [2FA QR Code] in the profile.
- **Step 4:** Use your OTP app to scan the 2FA QR code.
- **Step 5:**
  - For mobile phones or tablets: Click [Show QR Code] and scan the QR code with WireGuard Client app.
  - For laptops or PCs: Click [Download] and import the profile into WireGuard Client app.

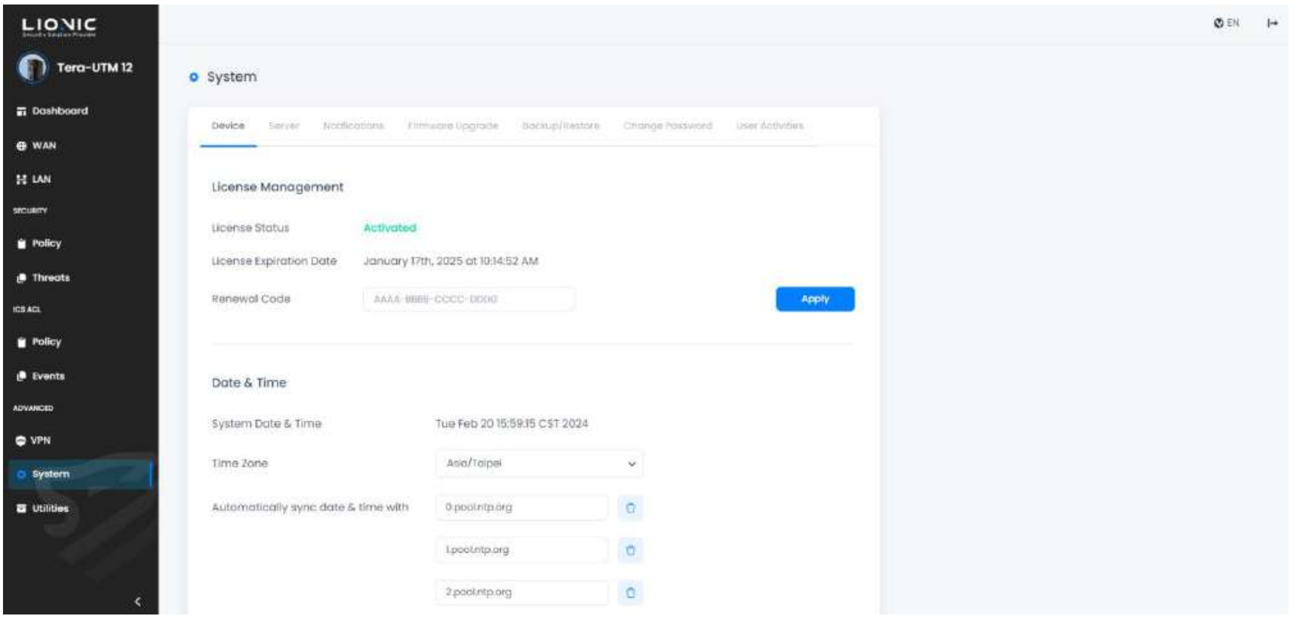
Start Accessing Internet via VPN:

- Step 1: Connect Tera-UTM 12 via VPN with WireGuard Client app.
- Step 2: Obtain the OTP from the OTP app.
- Step 3: Visit http://mytera.lionic.com/otp/vpn and enter the OTP.

After the 2FA is done, you can start accessing Internet via VPN.

System

Device:



License Management

License Status: Activated

License Expiration Date: January 17th, 2025 at 10:14:52 AM

Renewal Code: AAAA-BBBB-CCCC-DDDD

Date & Time

System Date & Time: Tue Feb 20 15:59:15 CST 2024

Time Zone: Asia/Taipei

Automatically sync date & time with: 0.pool.ntp.org, 1.pool.ntp.org, 2.pool.ntp.org

System-Device

License Management

View the license status, activate or renew the license for Tera-UTM 12.

Message	License Status
Activated	License is valid
Not Activated	License has not been activated yet
Expired	License is expired
Status checking failed	Failed to connect the license server

- **Activate license:** To obtain the full cyber-security protection from Tera-UTM 12, enter the activation code (Remark 1) into the input field and click [Activate] while connecting Internet.
- **Renew license:** Tera-UTM 12 will remind you in 30 days before the license is expired. Please purchase the renewal code (Remark 2) , enter it into the input field and click [Apply] to extend the expiration date.

Date & Time

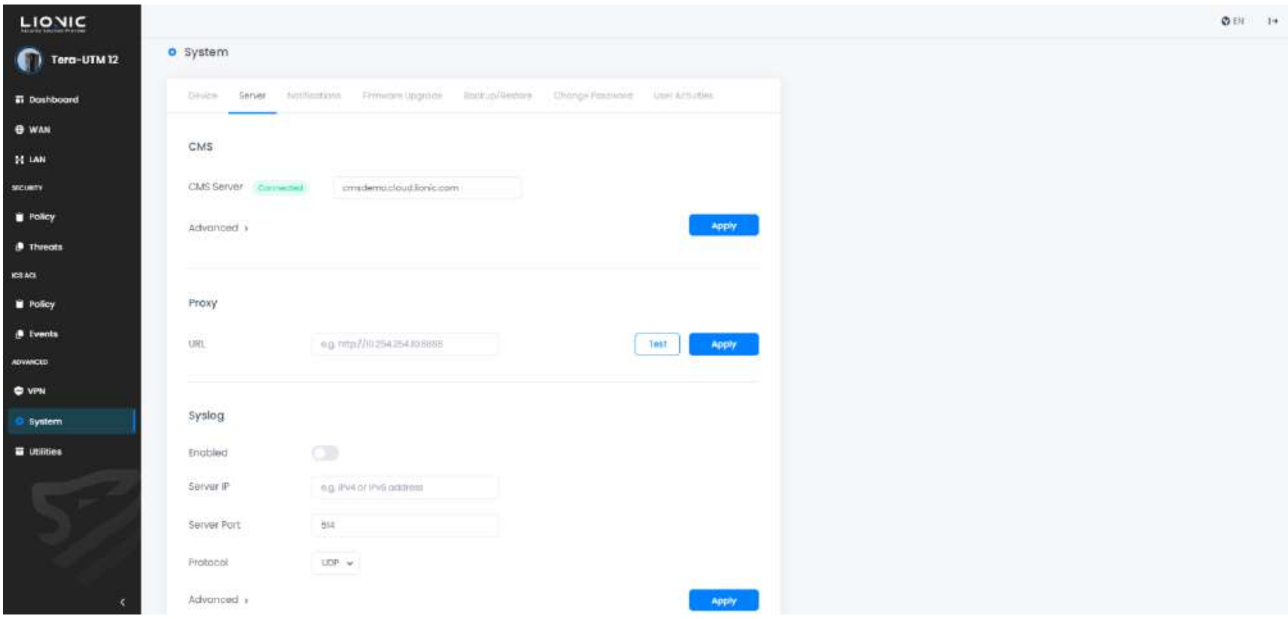
Display and configure the system time of Tera-UTM 12.

- **Time Zone:** Select your local time zone.
- **Automatically sync date & time with:** Add or remove NTP server based on your demand.

* Remark:

1. The activation code consists of 20 English letters and numbers. It can activate the license after applied successfully. If you did not receive the activation code when you purchase Tera-UTM 12 or if the activation code is not working, please contact local sales representatives in your region.
2. The renewal code consists of 16 English letters and numbers. It can extend the expiration date of the license after applied successfully. To purchase the renewal code, please contact local sales representatives in your region.

Server:



CMS

CMS Server Connected cmsdemo.cloud.lionic.com

Proxy

URL e.g. http://10.254.254.10:8888

Syslog

Enabled

Server IP e.g. IPv4 or IPv6 address

Server Port 514

Protocol UDP

System-Server

CMS

Central Management System (CMS) can monitor and control multiple Tera-UTM 12 in 1 portal. After the CMS is built, enter the address of CMS into the input field and click [Apply] to connect Tera-UTM 12 with the CMS. Please contact Tera-UTM 12 sales representatives or resellers in your region for more information.

- **Get Firmware or Signature Updates from CMS Server:**
  This advanced feature is used when the local network cannot connect to the internet. If you have related requirements, please contact your local dealer or sales representative. 。
- **Send firewall logs and exceptional websites logs to CMS:**
  To improve the storage space efficiency of CMS, Tera-UTM 12, after setting up CMS, by default, only uploads security logs related to the three main functions: antivirus system, intrusion prevention, and malicious web page blocking. Enabling this feature will also upload firewall and exception website event logs to CMS.

Proxy

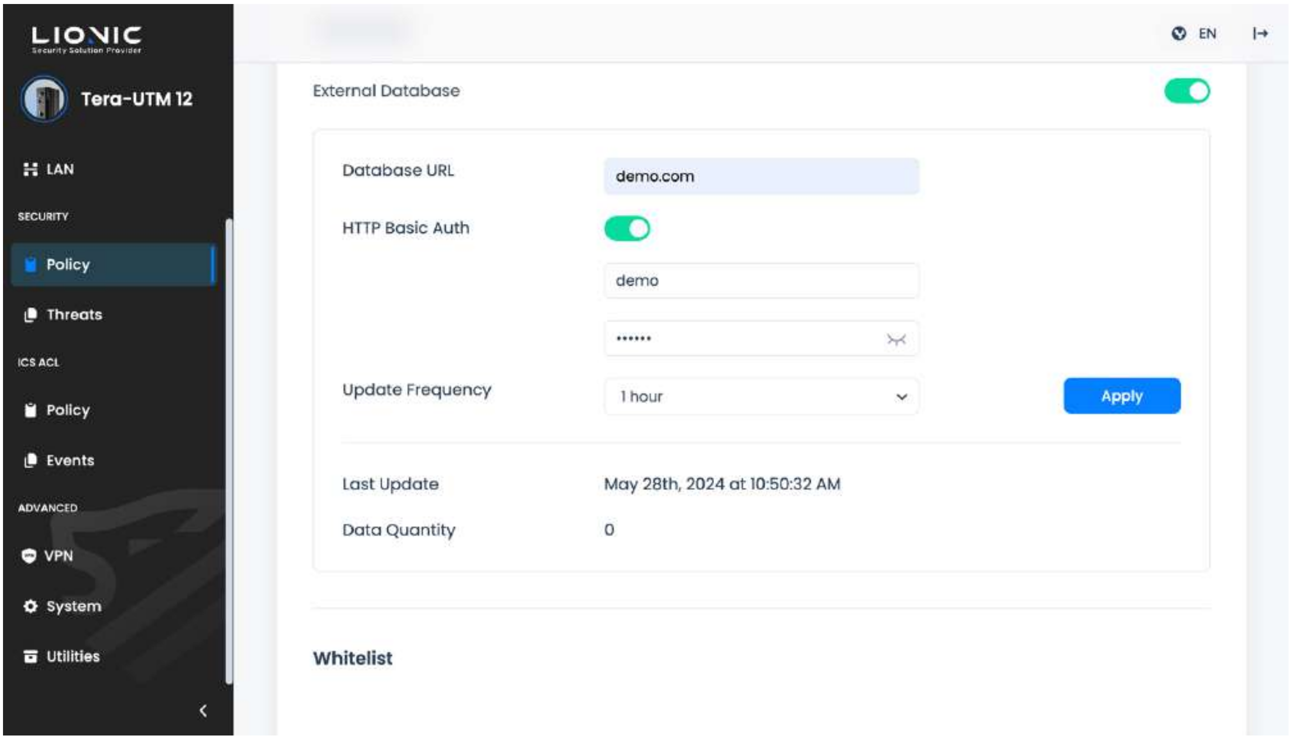
To obtain the full protection from Tera-UTM 12, the proxy server can help Tera-UTM 12 deployed in an intranet access LIONIC cloud services. After the proxy server is built, enter the server address into the input field and click [Apply] to access LIONIC cloud services via the proxy server. Please contact your IT administrator for more information.

Syslog

A syslog server can collect operating history of Tera-UTM 12. If you have your own syslog server, enter the configuration into the input field and click [Apply].

SNMP

SNMP allows administrators to remotely monitor the system status information of the Ark-UTM 16. If you have set up your own SNMP server (v2c, v3 versions),enter the configuration into the input field and click [Apply].



External Database

Database URL: demo.com

HTTP Basic Auth

demo

••••••

Update Frequency: 1 hour

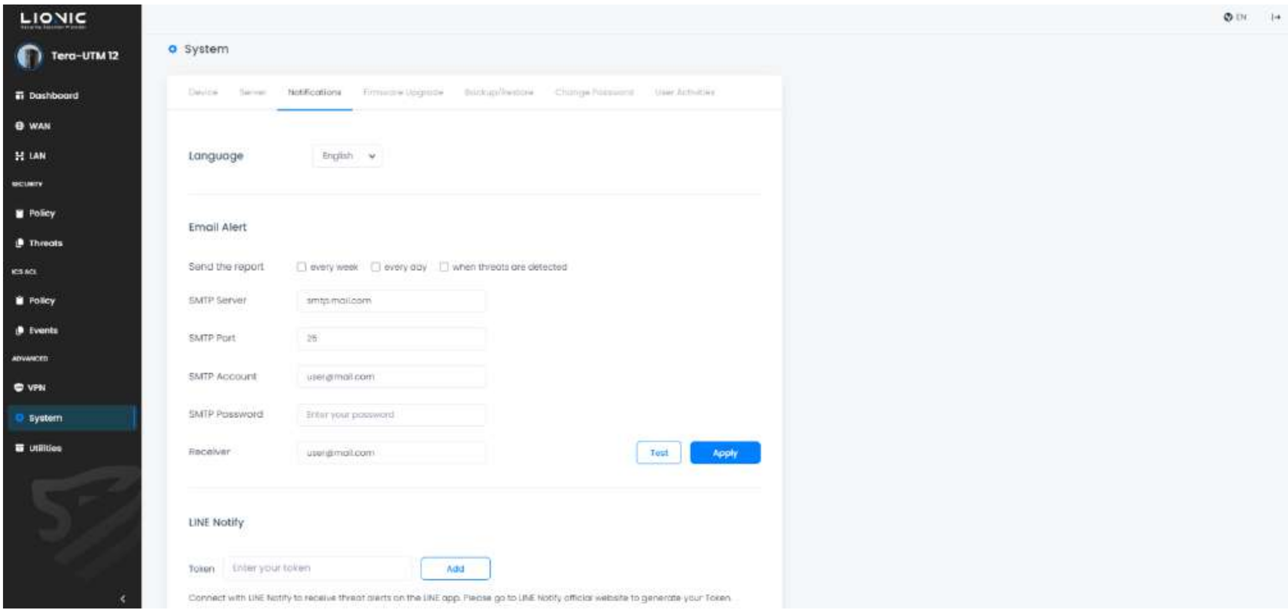
Last Update: May 28th, 2024 at 10:50:32 AM

Data Quantity: 0

Whitelist

Notifications:

When a threat is detected, Tera-UTM 12 can notify the details to the mail address or LINE account you set in [Notifications] tab. Furthermore, Tera-UTM 12 can also summarize Inspection History, Threats Statics and System Notification every day or every week, and send Daily Report or Weekly Report to the mail address you set.



Language: English

Email Alert

Send the report ☐ every week ☐ every day ☐ when threats are detected

SMTP Server: smtp.mail.com

SMTP Port: 25

SMTP Account: user@mail.com

SMTP Password: Enter your password

Receiver: user@mail.com

LINE Notify

Token: Enter your token

Connect with LINE Notify to receive threat alerts on the LINE app. Please go to LINE Notify official website to generate your Token.

System-Notifications

- **Language:** Select the language you prefer for mails, LINE messages or reports.
- **Send the report:**
  - Every week: send a weekly report at 0:00 on every Sunday.
  - Every day: send a daily report at 0:00 everyday.
  - When threasts are detected: send a notification mail or message whenever a threat is detected.
- **SMTP Server, Port, Account and Password:** SMTP settings used to send mails or reports.
- **Receiver:** The mail address which you would like to receive mails or reports.

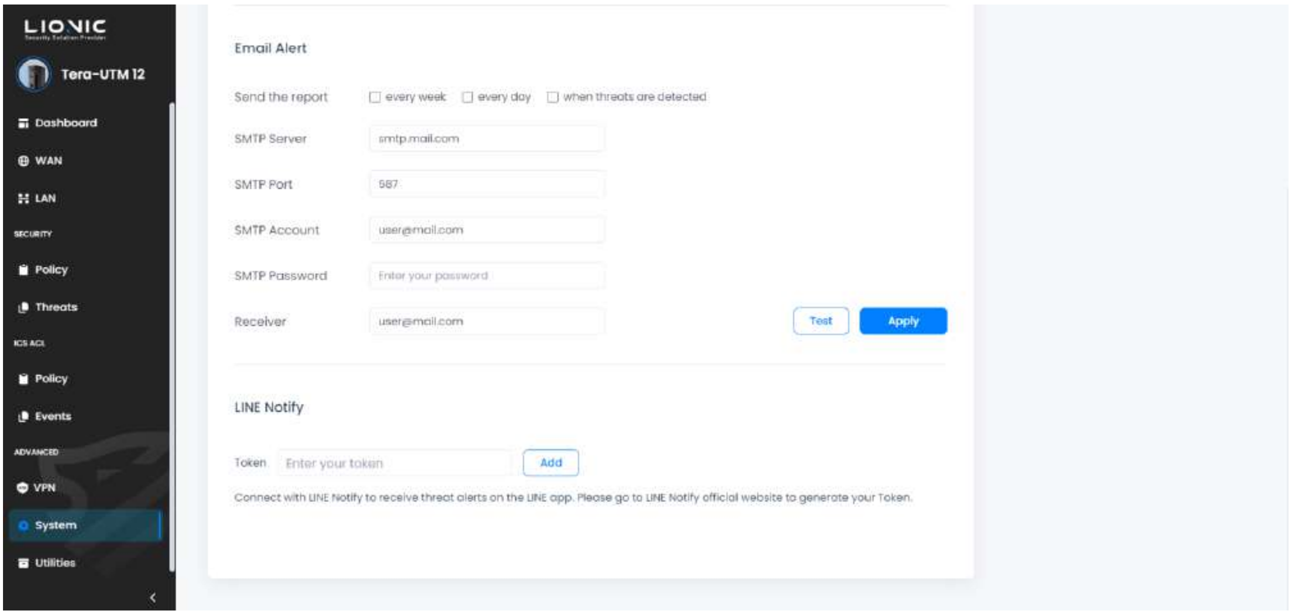
Please enter the correct settings in the input box and click [Apply] to complete the configuration. Click [Test] to have Tera-UTM 12 send a test email to confirm the settings.

* Remark:

1. If you need to use Gmail as the sender for email notifications, please enable Gmail's 2-Step Verification and create an App Password to enter in the [SMTP Password] field.

LINE Notify

To use the LINE message notification feature, please first follow the instructions on the LINE Notify official website to obtain a LINE Token. Then, fill in the Token in the input box and click [Add]. You can then receive real-time threat detection notifications via the LINE App.



Email Alert

Send the report □ every week □ every day □ when threats are detected

SMTP Server smtp.mail.com

SMTP Port 587

SMTP Account user@mail.com

SMTP Password Enter your password

Receiver user@mail.com

LINE Notify

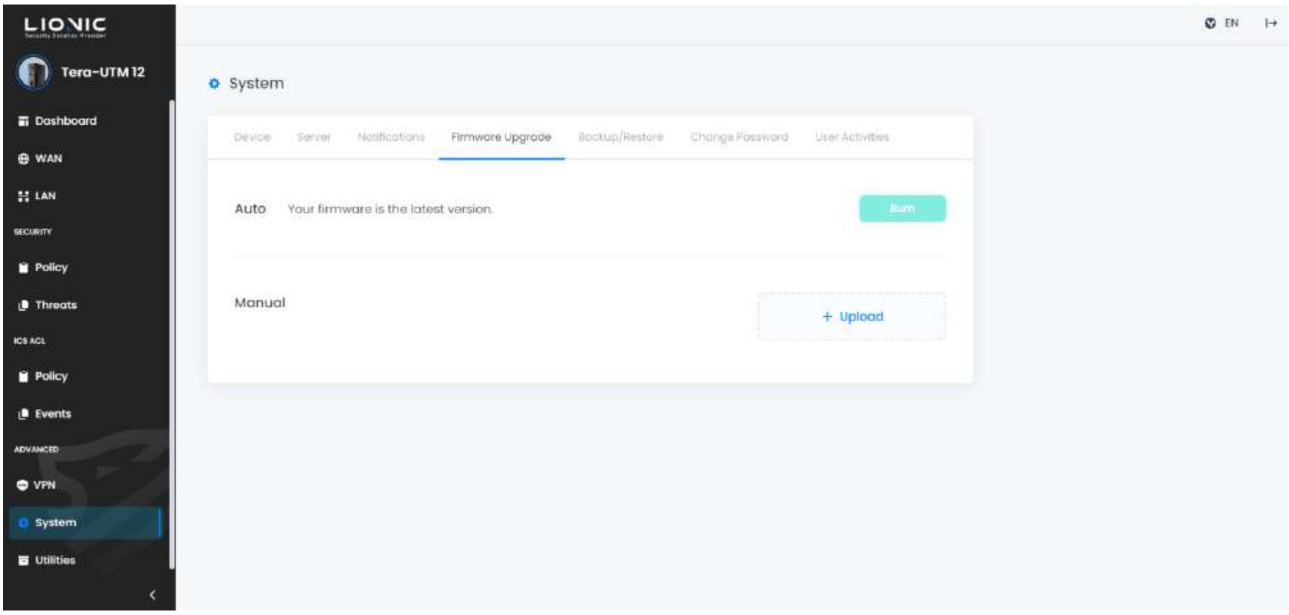
Token Enter your token

Connect with LINE Notify to receive threat alerts on the LINE app. Please go to LINE Notify official website to generate your Token.

Notify-Line Notify

Firmware Upgrade:

A notification will be shown on [Firmware Upgrade] tab when a new firmware is available. Click [Burn] to upgrade.



Auto Your firmware is the latest version.

Manual

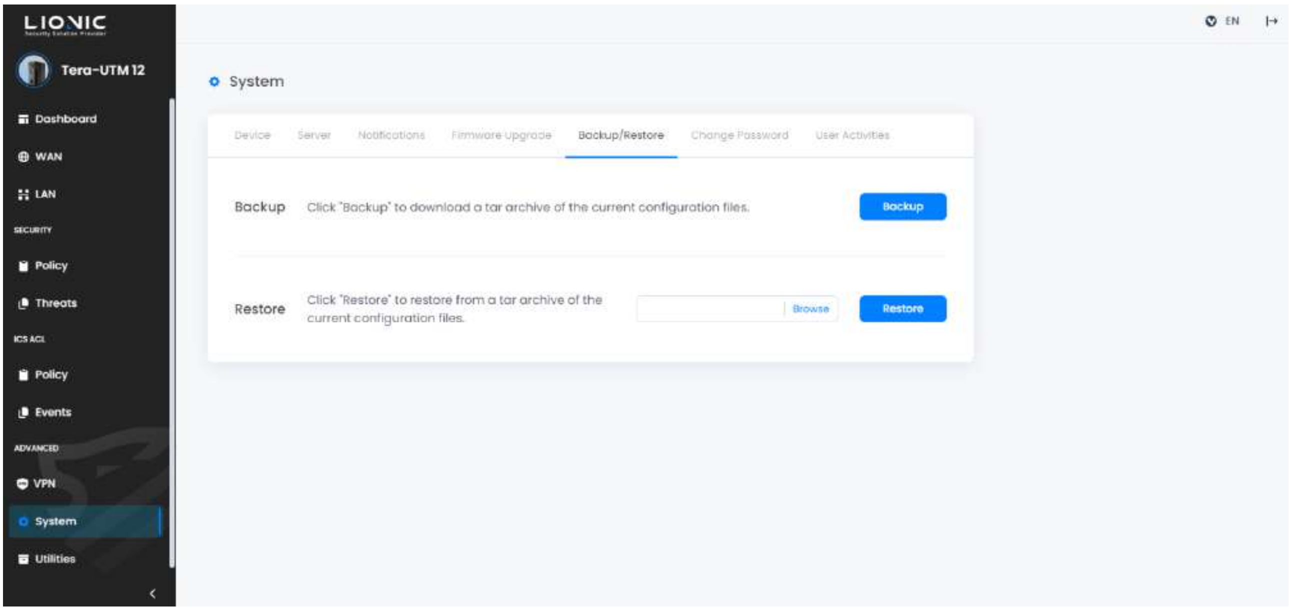
System-Firmware Upgrade

To upgrade or re-install the firmware manually during troubleshooting, click [+ Upload], select the correct firmware file and start upgrading or re-installing.

* Remark: Tera-UTM 12 would reboot during upgrading firmware. The network connection will resume after the reboot is completed.

Backup / Restore:

[Backup / Restore] function can backup Tera-UTM 12 configurations, such as security policies and whitelist setting, and restore on the same or other Tera-UTM 12.



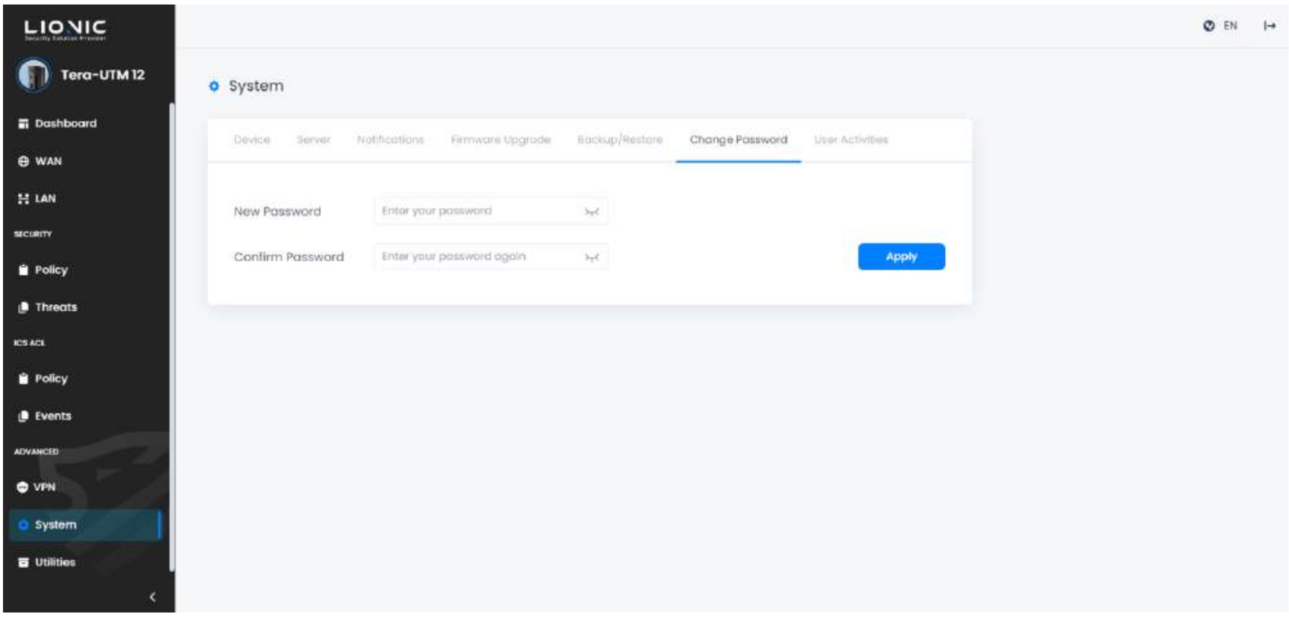
Backup Click "Backup" to download a tar archive of the current configuration files.

Restore Click "Restore" to restore from a tar archive of the current configuration files.

System-Backup / Restore

Change Password:

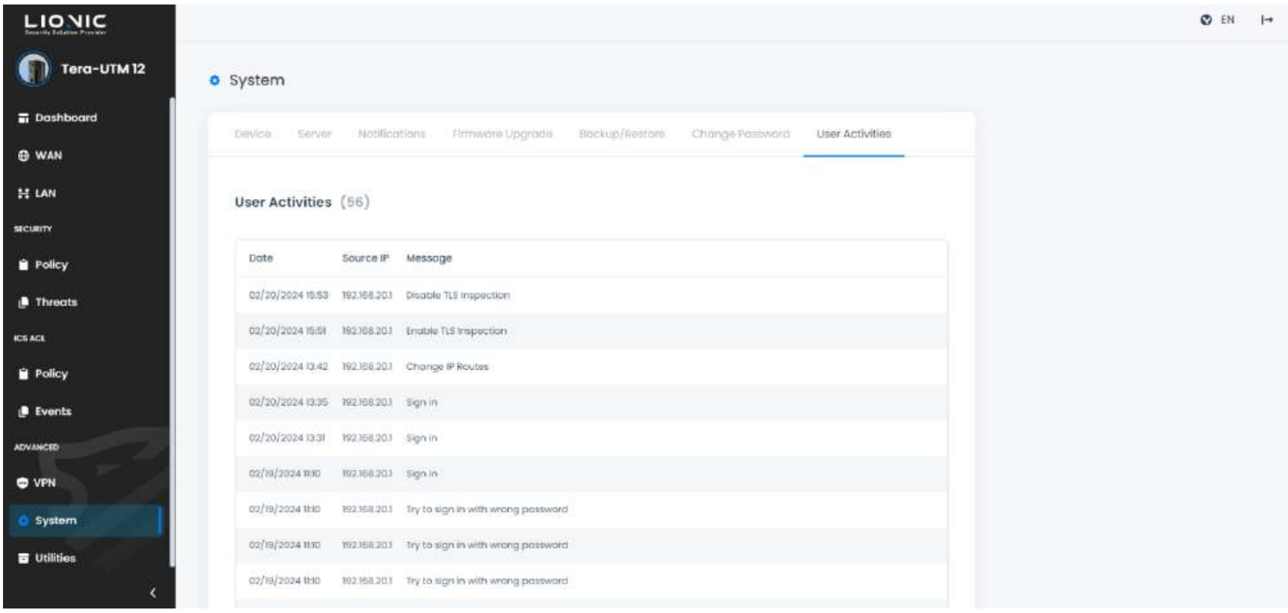
To change the login password of the web GUI, enter the new password to the input field and click [Apply].



System-Change Password

User Activities:

All configuration changes would be listed on [User Activities] tab.

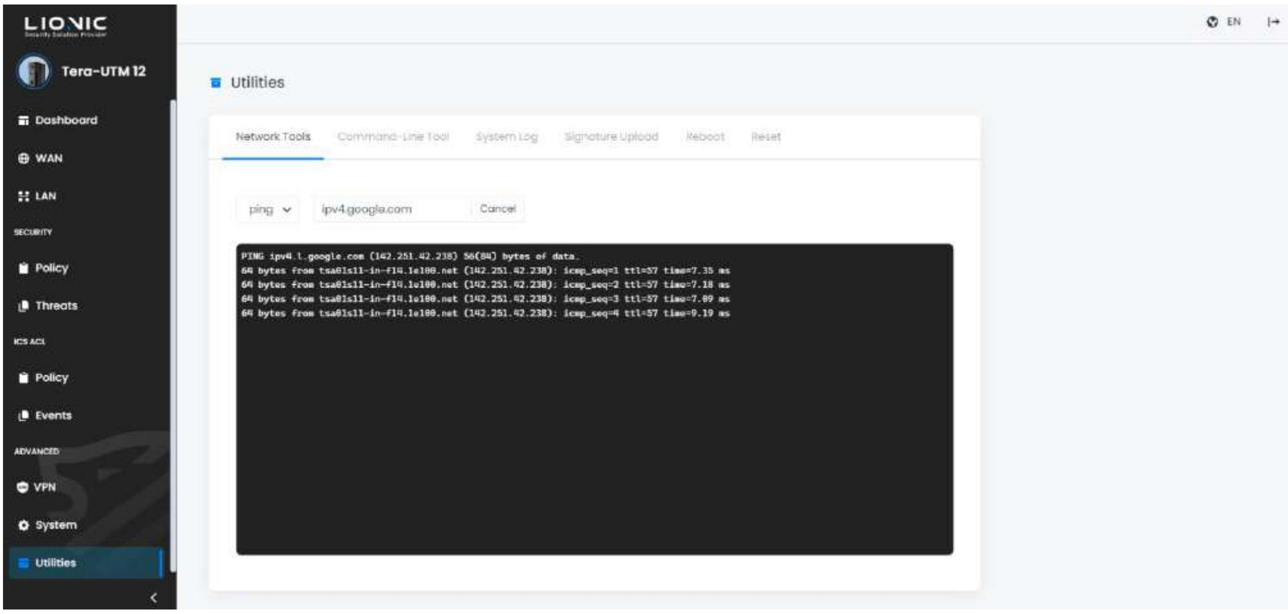


User Activities (56)

Date	Source IP	Message
02/20/2024 15:53	192.168.20.1	Disable TLS Inspection
02/20/2024 15:51	192.168.20.1	Enable TLS Inspection
02/20/2024 13:42	192.168.20.1	Change IP Routes
02/20/2024 13:35	192.168.20.1	Sign in
02/20/2024 13:31	192.168.20.1	Sign in
02/19/2024 11:10	192.168.20.1	Sign in
02/19/2024 11:10	192.168.20.1	Try to sign in with wrong password
02/19/2024 11:10	192.168.20.1	Try to sign in with wrong password
02/19/2024 11:10	192.168.20.1	Try to sign in with wrong password

System-User Activities

Utilities



ping ipv4.google.com

```
PING ipv4.l.google.com (142.251.42.238) 56(84) bytes of data.
64 bytes from tsa01s11-in-f14.1e100.net (142.251.42.238): icmp_seq=1 ttl=57 time=7.35 ms
64 bytes from tsa01s11-in-f14.1e100.net (142.251.42.238): icmp_seq=2 ttl=57 time=7.18 ms
64 bytes from tsa01s11-in-f14.1e100.net (142.251.42.238): icmp_seq=3 ttl=57 time=7.09 ms
64 bytes from tsa01s11-in-f14.1e100.net (142.251.42.238): icmp_seq=4 ttl=57 time=9.19 ms
```

Utilites

Tera-UTM 12 provides the following troubleshooting function:

- **Network Tools:** Find network connection issue with “ping”, “traceroute”, “nslookup” functions.
- **Command-Line Tool:** An advanced troubleshooting function. Contact LIONIC technical support before using this function.
- **System Log:** Export the system log for the technical support when troubleshooting.
- **Signature Upload:** Upload signatures manually when troubleshooting.
- **Reboot:** Reboot Tera-UTM 12 immediately or setup a daily reboot schedule.
- **Reset:** Reset all configuration to the factory default settings.

* Remark: While the license is valid and Internet is connected, Tera-UTM 12 would automatically download and update the signature.

Tera-UTM 12
Makes Security Simple

LIONIC
Security Solution Provider

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Fax : +886-3-5789595
Email : sales@lionic.com

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