

QUICK START GUIDE

GajShield Next Generation Firewall Series



GAJSHIELDTM
Data Security Firewall

Powered By



CONTEXTUAL
INTELLIGENCE
ENGINE

Default Factory Settings

GajShield firewall appliance is shipped with following factory default values.

Web GUI Console

Username	superuser
Password	wonderdream

SSH (Serial) Console

Username	superuser
Password	wonderdream

LAN Interface

IP Address	192.168.2.190
Interface	1

Understanding the Appliance

1. GajShield firewall appliance box is a multi-port network appliance.
2. Interface 1: is pre-configured for LAN which has factory default IP 192.168.2.190
3. Other ports can be used for WAN or DMZ. Apart from Interface 1 no other ports are fixed. The usage of the ports would depend on how the physical connection is terminated to the GajShield firewall appliance.
Example: If the WAN router has been terminated on Interface 2 then it would now become WAN.
4. Serial port: This port is provided for accessing GajShield firewall via command line.

NOTE: To access GajShield via serial port use **Windows Hyper Terminal** or **Putty**.

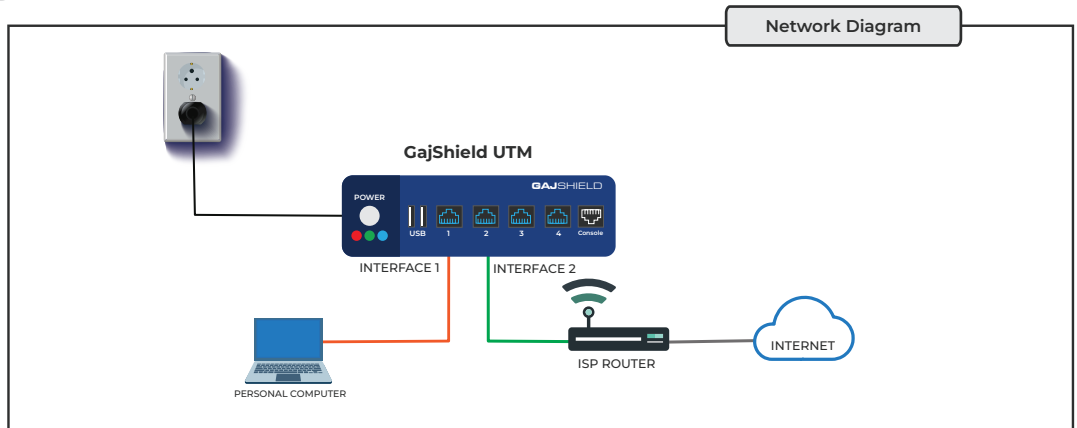
Network Planning Pre-requisites

Keep the following pre-requisites ready before you start configuring GajShield firewall.

LAN (Interface 1)	IP Address _____.____.____.____ Subnet Mask _____.____.____.____ Network LAN – factory configured
WAN (Interface 2)	IP Address _____.____.____.____ Subnet Mask _____.____.____.____ Gateway _____.____.____.____ Network WAN/DMZ

Getting Started

1 Connect GajShield Appliance & Power On



✱ This image is used for representation purpose, the appliance & interface varies from model to model.

2 Personal Computer (PC) Network Setup

Change your PC's IP address to 192.168.2.100 and Subnet 255.255.255.0 or any IP address of 192.168.2.0/24 network series. Also check your PC gateway & DNS, if you are trying to browse the internet.

Example: If your GajShield firewall IP is 192.168.2.190, use the same IP as your default gateway & DNS.

3 Accessing GajShield from your Personal Computer

- To start the Quick Wizard, open any Web Browser and type the below mentioned URL.
<https://192.168.2.190/admin/>

NOTE: Because GajShield firewall appliance uses a self-signed certificate, you may see a certificate warning in your browser. It is safe to ignore the warning in (Internet Explorer) or to add a certificate exception in (Mozilla Firefox).

- Login with the user name **superuser** and password **wonderdream**.

NOTE: Get the product license from your sales representative.
Refer https://www.gajshield.com/images/GS_license_help.pdf for license registration and upload help.

- After login upload the license file into firewall, for the Quick Setup Wizard to initialise.
- Follow the on screen instructions to complete the basic installation.

NOTE: Your GajShield firewall appliance comes installed with basic configuration that allows outbound TCP, UDP, and ping traffic, and blocks all unrequested inbound traffic from the WAN network.

GajShield Quick Wizard**1 Use the Quick Wizard for initial setup of GajShield firewall**

Welcome to Firewall Quick Wizard

Welcome

Admin Password
Date Time Configuration
LAN Configuration
WAN Configuration
DNS Configuration
Security Policies
SSL Certificate
Remote Log Configuration
Confirmation
Finish

Welcome to Quick Wizard

Quick wizard will help you to configure firewall quickly.

To Continue Click "Start" and to exit click "Cancel"

Start Cancel

1. Above screen appears after logging into the new GajShield firewall

2 Admin Password

Welcome to Firewall Quick Wizard

Welcome

Admin Password

Date Time Configuration
LAN Configuration
WAN Configuration
DNS Configuration
Security Policies
SSL Certificate
Remote Log Configuration
Confirmation
Finish

Change Superuser Password

Superuser Password	<input type="text"/>
New Password	<input type="text"/>
Confirm New Password	<input type="text"/>

Previous Next Cancel

2. To avoid unauthorized access, GajShield recommends that you change the default password to a more secure password.

3 Date Time Configuration

Welcome to Firewall Quick Wizard

Welcome

Admin Password

Date Time Configuration

LAN Configuration

WAN Configuration

DNS Configuration

Security Policies

SSL Certificate

Remote Log Configuration

Confirmation

Finish

Configure Date and Time Settings

Time Zone	Asia-Kolkata	
System Date	08/30/2023	
System Time	17	54

Previous Next Cancel

3. Change Time Zone, System Date & Time according to your region.

4 LAN Configuration

Welcome to Firewall Quick Wizard

Welcome

Admin Password

Date Time Configuration

LAN Configuration

WAN Configuration

DNS Configuration

Security Policies

SSL Certificate

Remote Log Configuration

Confirmation

Finish

LAN Configuration

Network Zone	LAN
IP Address	192.168.2.190
Netmask	255.255.255.0

Previous Next Cancel

4. Configure LAN IP address & Netmask as per your local LAN network.

5 WAN Configuration

5. Enter ISP IP details under WAN Configuration.

Interface Type: GajShield firewall supports 3 types of network modes standard, PPPoE Connection & DHCP.

Welcome to Firewall Quick Wizard

WAN CONFIGURATION

Network Zone	INTERNET
Interface	Int2
Interface Type	Standard
IP Address	
Netmask	
Next HOP IP	<input type="checkbox"/> Make Default Gateway
MTU	1500

Previous Next Cancel

i. Standard Mode

- **IP Address & Netmask** enter IP details provided by your ISP.
- **Next Hop IP** is ISP Gateway or router IP.
- **MTU (Maximum Transmission Unit)** Insert maximum packet size, in bytes, that can be sent through the interface.

NOTE: We recommend that you use the default, 1500 bytes, unless your network equipment requires a different packet size.

Welcome to Firewall Quick Wizard

WAN CONFIGURATION

Network Zone	INTERNET
Interface	Int2
Interface Type	PPPoE Connect
IP Address	Dynamic
Access Concentrator(optional)	
Service Name(optional)	

Previous Next Cancel

Welcome to Firewall Quick Wizard

Welcome	Interface Type	PPPoE Connect ▾
Admin Password		
Date Time Configuration	IP Address	Dynamic ▾
LAN Configuration		
WAN Configuration	Access Concentrator(optional)	<input type="text"/>
DNS Configuration	Service Name(optional)	ISPName
Security Policies	User Name	username
SSL Certificate	Password	••••••
Remote Log Configuration	MTU	1500
Confirmation		
Finish		

Previous Next Cancel

ii. PPPoE Connection

- **IP Address & Netmask** select (Static / Dynamic) depending on your ISP settings.
- **Next Hop IP** select (Static / Assigned by Remote) depending upon your ISP settings.
- **Access Concentrator** the PPPoE server name provided by the ISP

NOTE: Leave it empty if ISP does not provide a server name.

- **Service Name** enter ISP name or details provided by service provider.
- **Username / Password** Insert username & password provided by ISP for PPPoE authentication.

Welcome to Firewall Quick Wizard

Welcome			?
Admin Password			
Date Time Configuration			
LAN Configuration			
WAN Configuration			
DNS Configuration			
Security Policies			
SSL Certificate			
Remote Log Configuration			
Confirmation			
Finish			

WAN CONFIGURATION

Network Zone	INTERNET
Interface	Int2 ▾
Interface Type	DHCP ▾

Previous Next Cancel

iii. DHCP Mode

- Choose DHCP, if your ISP uses DHCP server to provide WAN IP address

6 DNS Configuration

Welcome to Firewall Quick Wizard

Welcome Admin Password Date Time Configuration LAN Configuration WAN Configuration DNS Configuration Security Policies SSL Certificate Remote Log Configuration Confirmation Finish	DNS Configuration <table> <tr> <th>Name</th> <th>Server IP</th> <th>Priority</th> </tr> <tr> <td colspan="3">No Nameserver found.</td> </tr> </table> Add Nameserver <table> <tr> <td>Primary DNS</td> <td><input type="text"/></td> </tr> <tr> <td>Secondary DNS</td> <td><input type="text"/></td> </tr> </table>	Name	Server IP	Priority	No Nameserver found.			Primary DNS	<input type="text"/>	Secondary DNS	<input type="text"/>
Name	Server IP	Priority									
No Nameserver found.											
Primary DNS	<input type="text"/>										
Secondary DNS	<input type="text"/>										

Previous Next Cancel

6. Enter DNS IP Address Provided by ISP / Global DNS / Local DNS

7 Security Policies Configuration

Welcome to Firewall Quick Wizard

Welcome Admin Password Date Time Configuration LAN Configuration WAN Configuration DNS Configuration Security Policies SSL Certificate Remote Log Configuration Confirmation Finish	<table> <tr> <td>LAN Interface</td> <td>IP: 192.168.2.190</td> </tr> <tr> <td>WAN Interface</td> <td>WAN interface not configured, Internet may not work.</td> </tr> </table> Security Policies <table> <tr> <td>Application Filter Policy</td> <td>Please Select ▼</td> </tr> <tr> <td>URL Filter Policy</td> <td>Open ▼</td> </tr> <tr> <td>Sending Mails (SMTP) With Virus Scanning</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Receiving Mails (POP3) With Virus Scanning</td> <td><input type="checkbox"/></td> </tr> <tr> <td>File Transfer (FTP) With Virus Scanning</td> <td><input type="checkbox"/></td> </tr> <tr> <td>SSL Deep Inspect</td> <td><input checked="" type="checkbox"/></td> </tr> </table>	LAN Interface	IP: 192.168.2.190	WAN Interface	WAN interface not configured, Internet may not work.	Application Filter Policy	Please Select ▼	URL Filter Policy	Open ▼	Sending Mails (SMTP) With Virus Scanning	<input type="checkbox"/>	Receiving Mails (POP3) With Virus Scanning	<input type="checkbox"/>	File Transfer (FTP) With Virus Scanning	<input type="checkbox"/>	SSL Deep Inspect	<input checked="" type="checkbox"/>
LAN Interface	IP: 192.168.2.190																
WAN Interface	WAN interface not configured, Internet may not work.																
Application Filter Policy	Please Select ▼																
URL Filter Policy	Open ▼																
Sending Mails (SMTP) With Virus Scanning	<input type="checkbox"/>																
Receiving Mails (POP3) With Virus Scanning	<input type="checkbox"/>																
File Transfer (FTP) With Virus Scanning	<input type="checkbox"/>																
SSL Deep Inspect	<input checked="" type="checkbox"/>																

Previous Next Cancel

7. Select the required Application and URL Filter Policy. Check mark the required outbound firewall rules policy with virus scanning.

8 SSL Certificate

Welcome to Firewall Quick Wizard

SSL Certificate

Add SSL Certificate	
Certificate Name	OpenVPN
Local Id Type	X.509 DN
Local ID	
Organisation Name	GajShield
Country Name	India
Valid Upto	01 / 01 / 2025
Key Length	2048
Password	*****

Previous Next Cancel

Welcome to Firewall Quick Wizard

SSL Certificate

Key Length	2048
Password	*****
Confirm Password	*****
State	MAHARASHTRA
Locality Name	IN
Organisation Unit Name	IT
Common Name	security
Email Address	test@gmail.com

Previous Next Cancel

8. SSL Certificate section will be skipped in case a certificate is already generated or SSL certificate option is not checked.

9 Remote Log Configuration

The screenshot shows the 'Welcome to Firewall Quick Wizard' window. On the left is a vertical list of steps: Welcome, Admin Password, Date Time Configuration, LAN Configuration, WAN Configuration, DNS Configuration, Security Policies, SSL Certificate, **Remote Log Configuration** (highlighted in orange), Confirmation, and Finish. The main area is titled 'Configure Remote Log Options'. It contains a text box with the instruction: 'This appliance doesn't contain a local storage, a remote log server virtual machine is provided in the package, you can push the logs from this appliance to the remote log server, please provide the ip address of the remote log server.' Below this is a label 'Remote log Server IP (Optional)' followed by an empty text input field. At the bottom right are three buttons: 'Previous' (orange), 'Next' (orange), and 'Cancel' (grey).

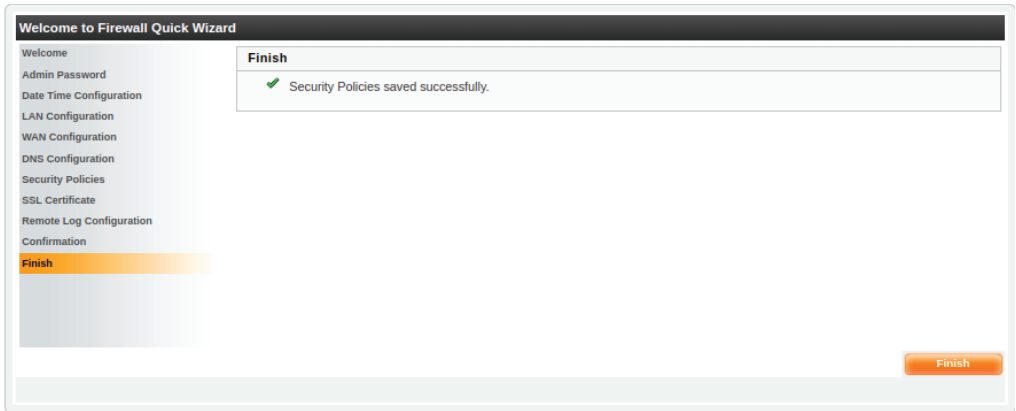
9. Select this option to forward logs on remote log server and mention the IP address of remote log server.

10 Confirmation

The screenshot shows the 'Welcome to Firewall Quick Wizard' window at the 'Confirmation' step. The left sidebar list is the same as in step 9, but 'Confirmation' is now highlighted in orange. The main area is titled 'Confirmation' and contains a single bullet point: 'Security Policy for URL Filtering is added.' At the bottom right are three buttons: 'Previous' (orange), 'Confirm' (orange), and 'Cancel' (grey).

10. Verify the configuration done using Quick Wizard, Click on **Confirm** if the data entered is correct, or click on **Previous** for any changes in configuration.

11 Finish



11. After you click on **Confirm**, settings are applied on GajShield firewall & default rules are added, these default rules can be modified later if necessary.

You have now completed the Quick Wizard & your firewall is ready to go live.

For further assistance please visit our knowledge base:
<https://kb.gajshield.com/kb1>

Package Contents for GS15nuV3, GS20nuV3**Console Cable****RJ45 Cable****Power Adapter****Rackmount & Screw****Power Cable****Quick Start Guide**

* Images are for illustration purpose

Package Contents for GS40nuV2**Console Cable****Power Cable****RJ45 Cable****Power Adapter****Quick Start Guide**

* Images are for illustration purpose

Package Contents for GS85nuV2, GS125nuV2

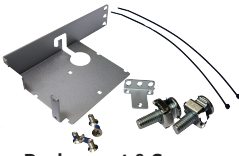
Console Cable



RJ45 Cable



Power Adapter



Rackmount & Screw



Power Cable



Quick Start Guide

* Images are for illustration purpose

Package Contents for GS165nu, GS245nu, GS365nu

Console Cable



Power Cable



RJ45 Cable



Clamps & Screws



Quick Start Guide

* Images are for illustration purpose

Package Contents for GS586nu, GS596nu,GS365nu

RJ45 Cable



USB Console Cable



Quick Start Guide



Rackmount & Screw



Power Cable

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Package Contents for GS996nu, 1096nu, 1396nu, 1496nu

Console Cable



Power Cable



RJ45 Cable



Rackmount & Screw



Rackrails



Quick Start Guide

* Images are for illustration purpose

