

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**.

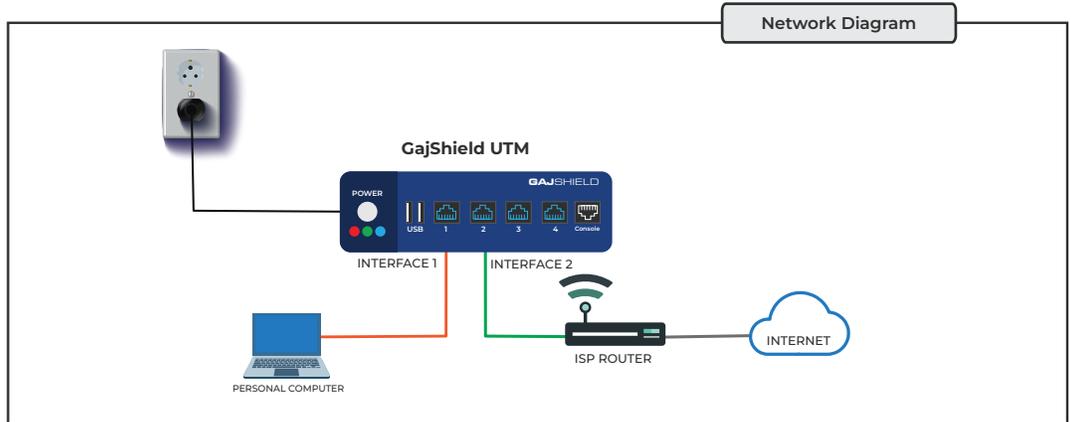
Network Planning Pre-requisites

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).

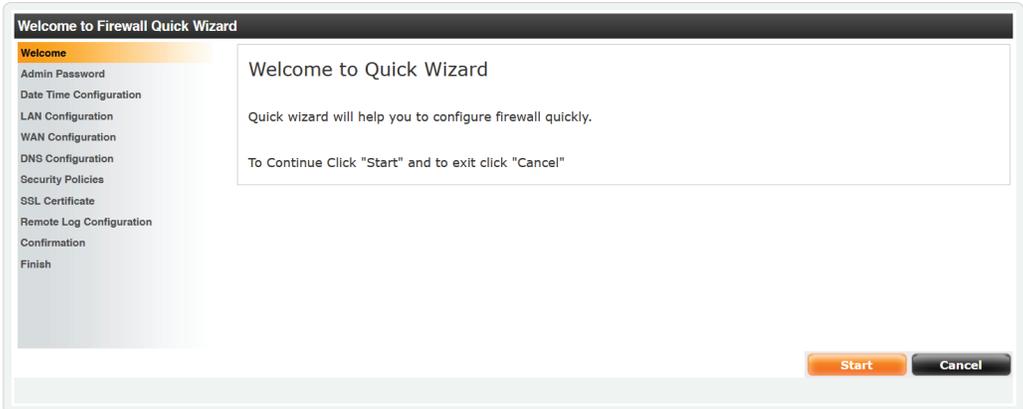
- Login with the user name **superuser** and password **wonderdream**.

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.

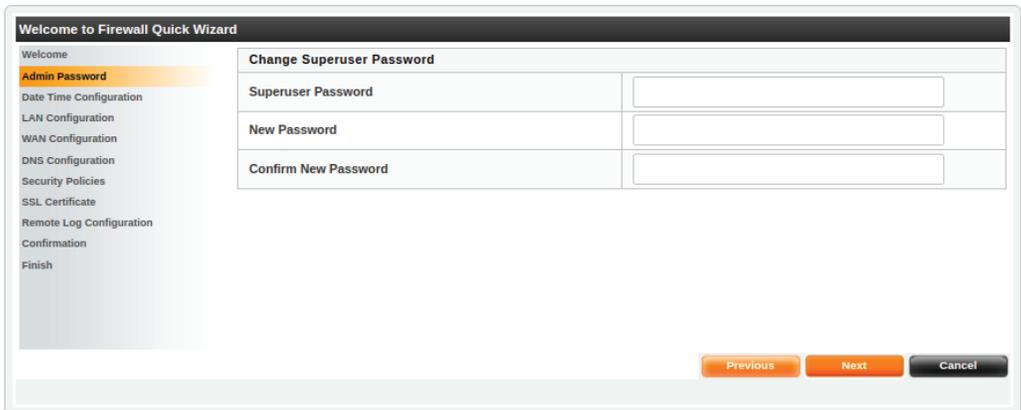
NOTE: Your GajShield firewall appliance comes installed with basic configuration that allows outbound TCP, UDP, and ping traffic, and blocks all unrequested inbound traffic from the WAN network.

1 Use the Quick Wizard for initial setup of GajShield firewall



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

2 Admin Password



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

3 Date Time Configuration

Configure Date and Time Settings	
Time Zone	Asia-Kolkata
System Date	08/30/2023
System Time	17:54

Buttons: Previous, Next, Cancel

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

4 LAN Configuration

LAN Configuration	
Network Zone	LAN
IP Address	192.168.2.190
Netmask	255.255.255.0

Buttons: 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.

The screenshot shows the 'Welcome to Firewall Quick Wizard' interface. On the left is a navigation menu with 'WAN Configuration' highlighted. The main area is titled 'WAN CONFIGURATION' and contains the following fields:

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

At the bottom right are three buttons: 'Previous', 'Next', and '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.

The screenshot shows the 'Welcome to Firewall Quick Wizard' interface. On the left is a navigation menu with 'WAN Configuration' highlighted. The main area is titled 'WAN CONFIGURATION' and contains the following fields:

Network Zone	INTERNET
Interface	Int2
Interface Type	PPPoE Connect
IP Address	Dynamic
Access Concentrator(optional)	<input type="text"/>
Service Name(optional)	<input type="text"/>

At the bottom right are three buttons: 'Previous', 'Next', and 'Cancel'.

Welcome to Firewall Quick Wizard

Interface Type: PPPoE Connect

IP Address: Dynamic

Access Concentrator(optional):

Service Name(optional): ISPName

User Name: username

Password:

MTU: 1500

Buttons: 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

WAN CONFIGURATION

Network Zone: INTERNET

Interface: Int2

Interface Type: DHCP

Buttons: 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	
Name Server IP	Priority
No Nameserver found.	
Add Nameserver	
Primary DNS	<input type="text"/>
Secondary DNS	<input type="text"/>

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

LAN Interface	IP: 192.168.2.190
WAN Interface	WAN interface not configured, Internet may not work.
Security Policies	
Application Filter Policy	Please Select <input type="button" value="v"/>
URL Filter Policy	Open <input type="button" value="v"/>
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"/>

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

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

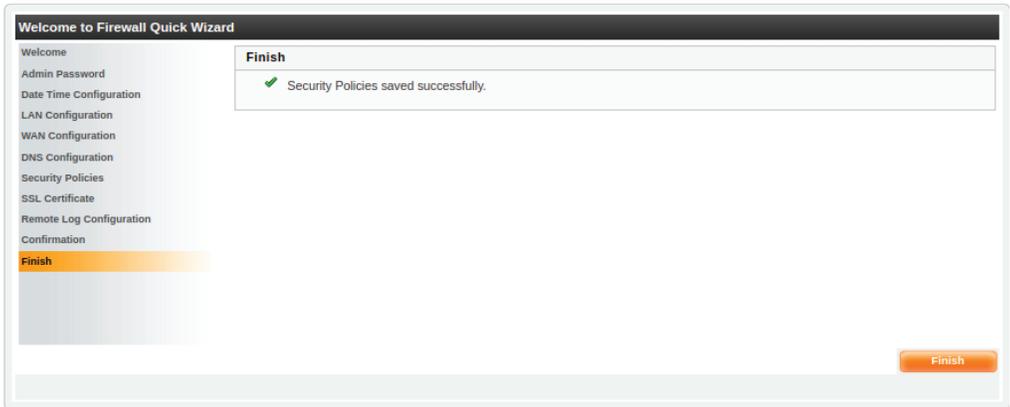
The screenshot shows the 'Welcome to Firewall Quick Wizard' interface. On the left, a vertical list of steps includes: Welcome, Admin Password, Date Time Configuration, LAN Configuration, WAN Configuration, DNS Configuration, Security Policies, SSL Certificate, **Remote Log Configuration** (highlighted in orange), Confirmation, and Finish. The main content area is titled 'Configure Remote Log Options' and contains the text: '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 text is a text input field labeled 'Remote log Server IP (Optional)'. At the bottom right, there are three buttons: 'Previous' (orange), 'Next' (orange), and 'Cancel' (black).

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' interface. On the left, the list of steps is: Welcome, Admin Password, Date Time Configuration, LAN Configuration, WAN Configuration, DNS Configuration, Security Policies, Remote Log Configuration, **Confirmation** (highlighted in orange), and Finish. The main content area is titled 'Confirmation' and contains a single bullet point: '• Security Policy for URL Filtering is added.' At the bottom right, there are three buttons: 'Previous' (orange), 'Confirm' (orange), and 'Cancel' (black).

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

* Images are for illustration purpose

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



Console Cable



Power Cable



RJ45 Cable



Rackmount & Screw



Rackrails



Quick Start Guide

* Images are for illustration purpose

