

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**.

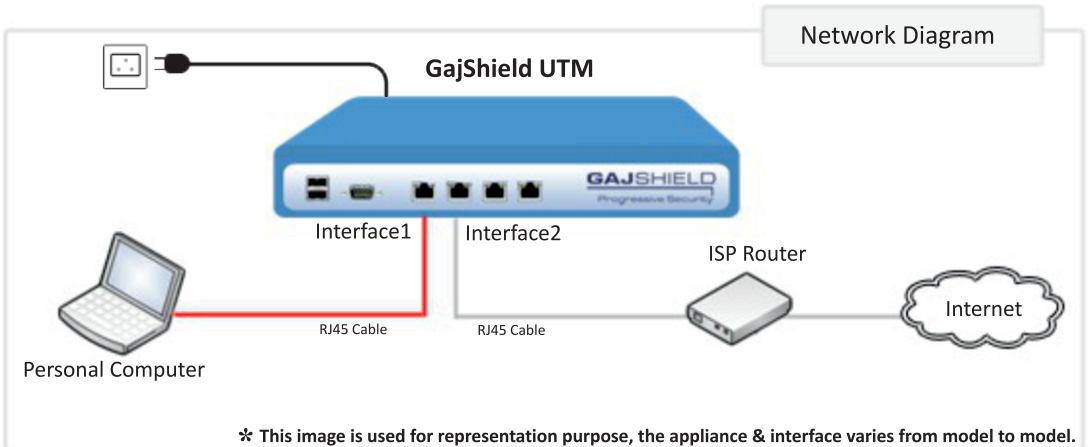
Network Planning Pre-requisites

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

<p>LAN (Interface 1)</p>	<p>IP Address ___ . ___ . ___ . ___</p> <p>Subnet Mask ___ . ___ . ___ . ___</p> <p>Network LAN – factory configured</p>
<p>WAN (Interface 2)</p>	<p>IP Address ___ . ___ . ___ . ___</p> <p>Subnet Mask ___ . ___ . ___ . ___</p> <p>Gateway ___ . ___ . ___ . ___</p> <p>Network WAN/DMZ</p>

Getting Started

1 Connect GajShield Appliance & Power On



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).

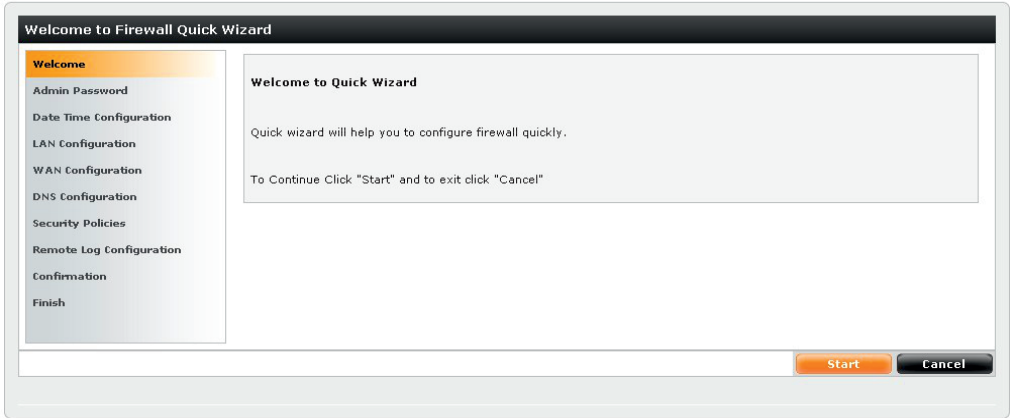
- Login with the user name **superuser** and password **wonderdream**.

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.

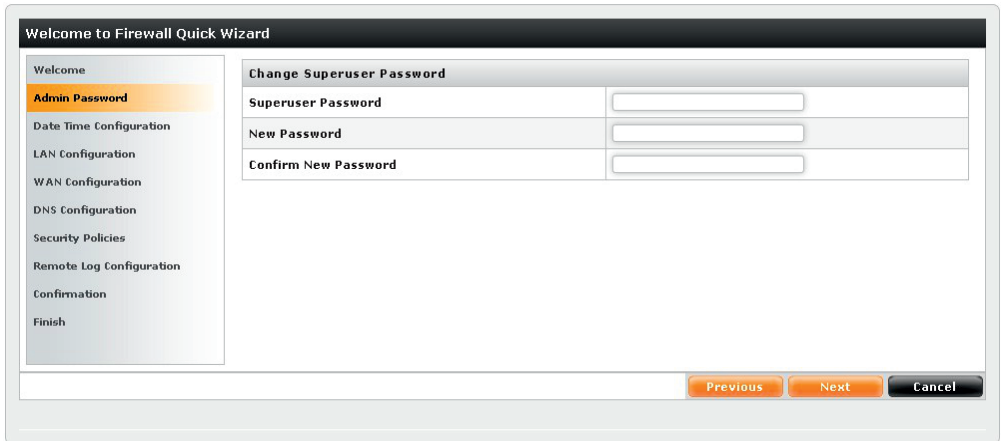
NOTE: Your GajShield firewall appliance comes installed with basic configuration that allows outbound TCP, UDP, and ping traffic, and blocks all unrequested inbound traffic from the WAN network.

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

The screenshot shows the 'Date Time Configuration' step of the Firewall Quick Wizard. The left sidebar lists the steps: Welcome, Admin Password, **Date Time Configuration**, LAN Configuration, WAN Configuration, DNS Configuration, Security Policies, Remote Log Configuration, Confirmation, and Finish. The main area is titled 'Configure Date and Time Settings' and contains the following fields:

Time Zone	Asia-kolkata
System Date	04/22/2015
System Time	13:49

At the bottom right, there are three buttons: 'Previous' (orange), 'Next' (orange), and 'Cancel' (black).

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

4 LAN Configuration

The screenshot shows the 'LAN Configuration' step of the Firewall Quick Wizard. The left sidebar lists the steps: Welcome, Admin Password, Date Time Configuration, **LAN Configuration**, WAN Configuration, DNS Configuration, Security Policies, Remote Log Configuration, Confirmation, and Finish. The main area is titled 'LAN Configuration' and contains the following fields:

Network Zone	LAN
IP Address	192.168.2.190
Netmask	255.255.255.0

At the bottom right, there are three buttons: 'Previous' (orange), 'Next' (orange), and 'Cancel' (black).

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' window. 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 Type	Standard
IP Address	<input type="text"/>
Netmask	<input type="text"/>
Next HOP IP	<input type="text"/> <input checked="" type="checkbox"/> Make Default Gateway
MTU	<input type="text"/>

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' window. 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 Type	PPPoE Connection
IP Address	Dynamic
Netmask	Dynamic
Next HOP IP	Assigned by Remote <input checked="" type="checkbox"/> Make Default Gateway

At the bottom right are three buttons: 'Previous', 'Next', and '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
 Remote Log Configuration
 Confirmation
 Finish

WAN CONFIGURATION

Network Zone	INTERNET
Interface Type	DHCP <input checked="" type="checkbox"/> Make Default Gateway

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
 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"/>

Previous Next Cancel

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

7 Security Policies Configuration

Welcome to Firewall Quick Wizard

<ul style="list-style-type: none"> Welcome Admin Password Date Time Configuration LAN Configuration WAN Configuration DNS Configuration Security Policies Remote Log Configuration Confirmation Finish 	<p>Interface Information</p> <table border="1"> <tr> <td>LAN Interface</td> <td>IP: 192.168.2.151</td> <td></td> </tr> <tr> <td>WAN Interface</td> <td>IP: 2.2.2.2</td> <td>Gateway: 2.2.2.1</td> </tr> </table>	LAN Interface	IP: 192.168.2.151		WAN Interface	IP: 2.2.2.2	Gateway: 2.2.2.1				
LAN Interface	IP: 192.168.2.151										
WAN Interface	IP: 2.2.2.2	Gateway: 2.2.2.1									
	<p>Security Policies</p> <table border="1"> <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> </table>	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"/>
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"/>										

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

8 Remote Log Configuration

Welcome to Firewall Quick Wizard

<ul style="list-style-type: none"> Welcome Admin Password Date Time Configuration LAN Configuration WAN Configuration DNS Configuration Security Policies Remote Log Configuration Confirmation Finish 	<p>Configure Remote Log Options</p> <p>This appliance contains local storage, and is capable of storing logs, do you still want the logs to be pushed to a remote logging server? <input type="checkbox"/></p> <p>Remote log Server IP (Optional) <input type="text"/></p>
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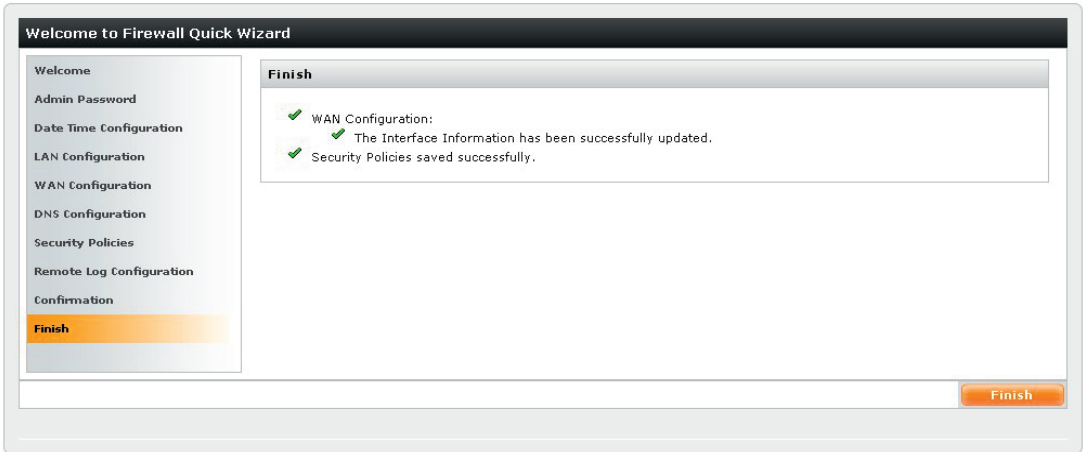
8. Select this option to forward logs on remote log server and mention the IP address of remote log server.

9 Confirmation



9. 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.

10 Finish



10. 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>

Package Contents for GS15nu, GS20nu, GS40nu, GS85nu & GS125nu



Console Cable



RJ45 Cable



Power Adapter



Power Cable



Quick Start Guide

* Images are for illustration purpose

Package Contents for GS165nu, GS245nu, GS365nu, GS580nu and Above



Console Cable



Power Cable



RJ45 Cable



Clamps & Screws



Quick Start Guide

* Images are for illustration purpose

