

GajShield Next Generation Firewall Series



**GAJSHIELD**<sup>TM</sup>  
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**.

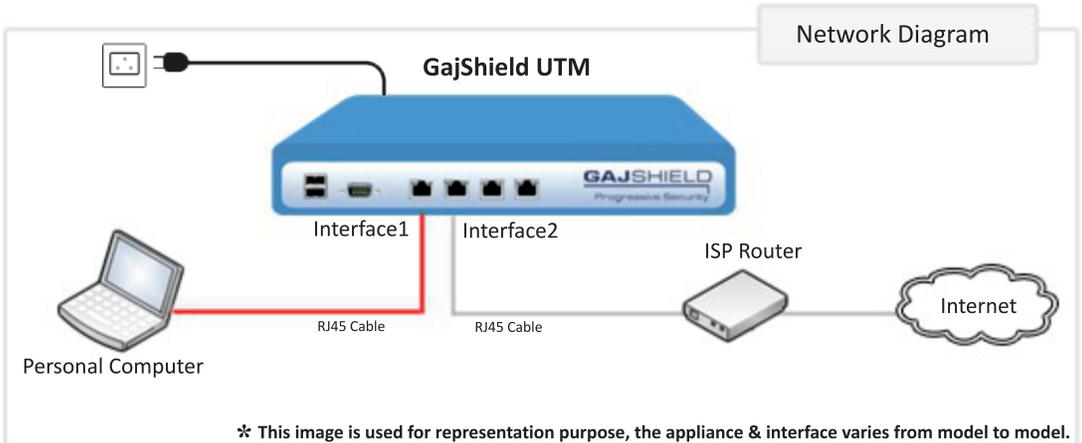
**Network Planning Pre-requisites**

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

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

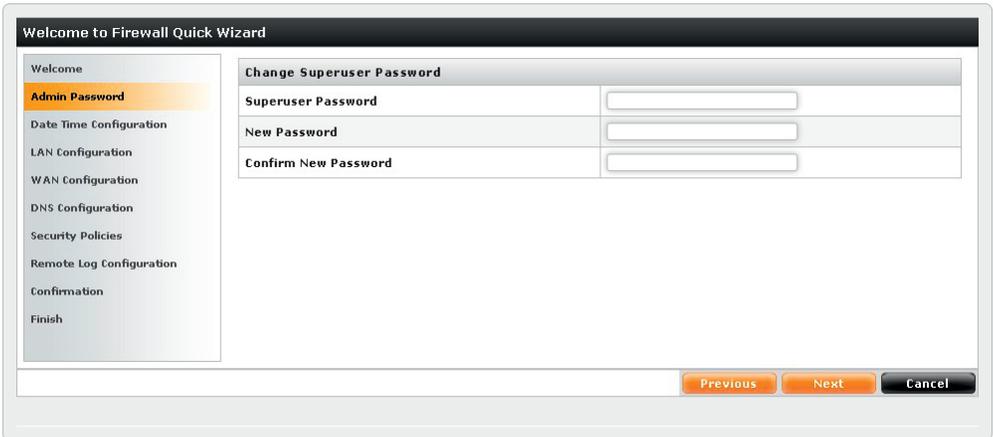
NOTE: Your GajShield firewall appliance comes installed with basic configuration that allows outbound TCP, UDP, and ping traffic, and blocks all unrequested inbound traffic from the WAN network.

**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 'Welcome to Firewall Quick Wizard'. On the left is a navigation menu with 'Date Time Configuration' highlighted. The main area is titled 'Configure Date and Time Settings' and contains three rows of configuration fields:

Configure Date and Time Settings	
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 'Welcome to Firewall Quick Wizard'. On the left is a navigation menu with 'LAN Configuration' highlighted. The main area is titled 'LAN Configuration' and contains three rows of configuration fields:

LAN Configuration	
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"> <li>Welcome</li> <li>Admin Password</li> <li>Date Time Configuration</li> <li>LAN Configuration</li> <li>WAN Configuration</li> <li>DNS Configuration</li> <li><b>Security Policies</b></li> <li>Remote Log Configuration</li> <li>Confirmation</li> <li>Finish</li> </ul>	<p><b>Interface Information</b></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><b>Security Policies</b></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"> <li>Welcome</li> <li>Admin Password</li> <li>Date Time Configuration</li> <li>LAN Configuration</li> <li>WAN Configuration</li> <li>DNS Configuration</li> <li>Security Policies</li> <li><b>Remote Log Configuration</b></li> <li>Confirmation</li> <li>Finish</li> </ul>	<p><b>Configure Remote Log Options</b></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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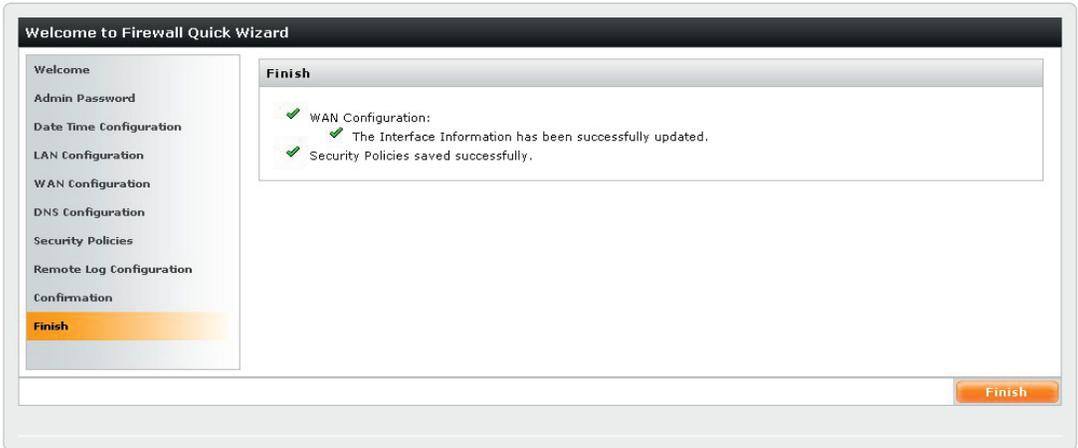
8. Select this option to forward logs on remote log server and mention the IP address of remote log server.

## 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

