

GAJSHIELD

Security Simplified



First **POLICY**
based **TRUE UTM**



GajShield UPTM Certification Module 1

GajShield Infotech Pvt Ltd

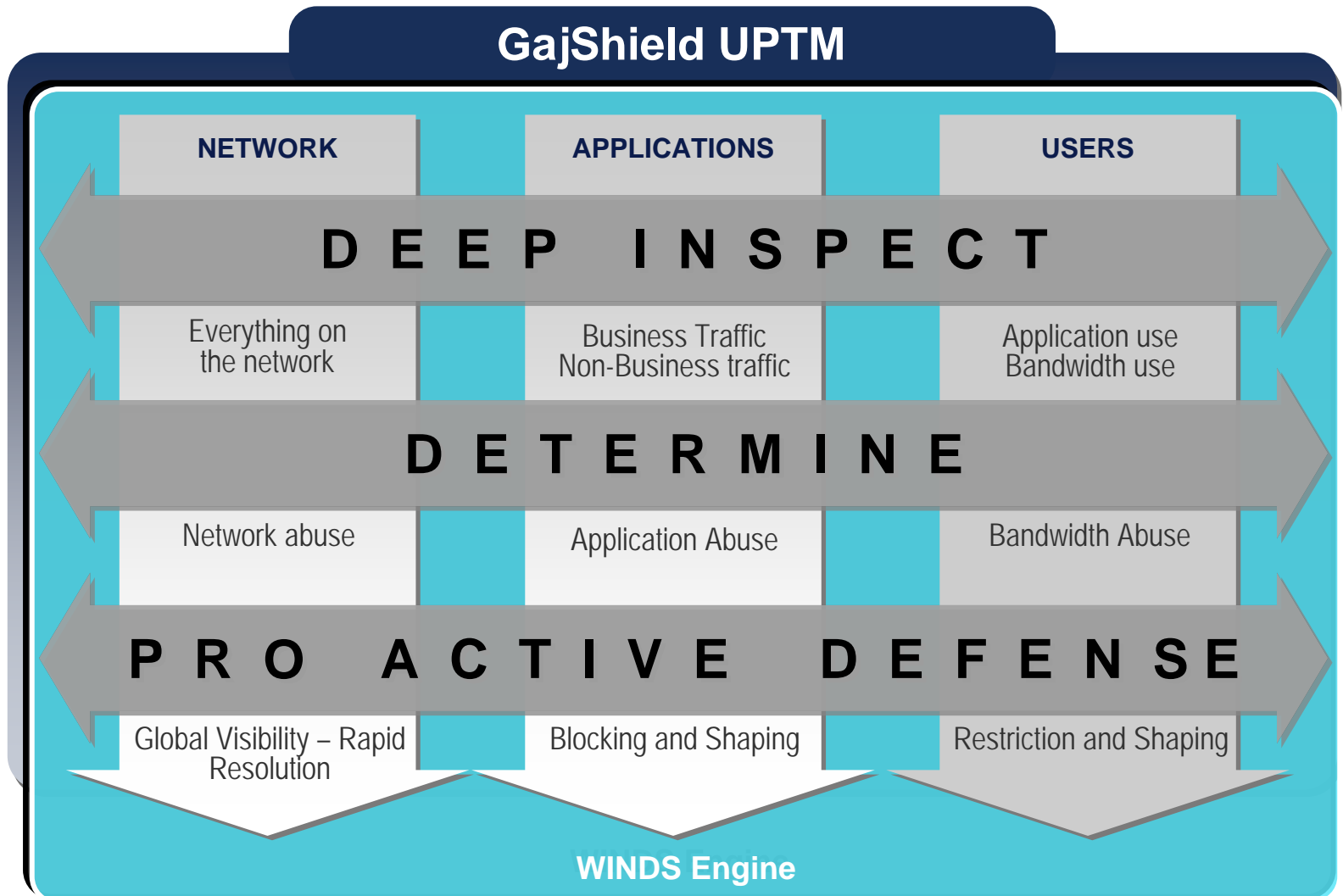
What is a UPTM?



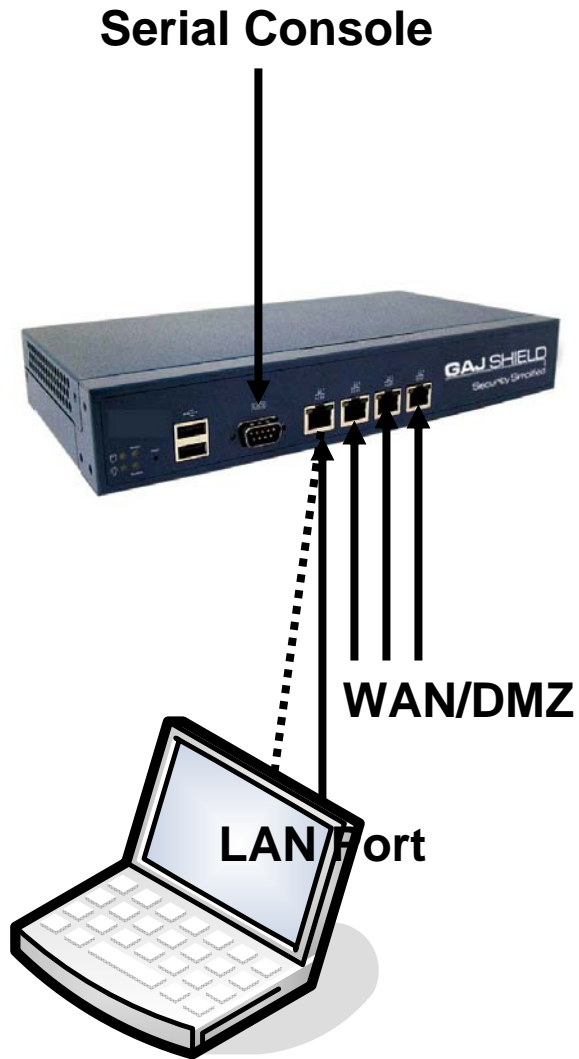
- ❑ A UPTM is a security device, like a guard standing at your door protecting your house from rouses
- ❑ GajShield UPTM defends your organisation from internal and external threats



GajShield Unified Performance & Threat Management



GajShield UPTM: Setup



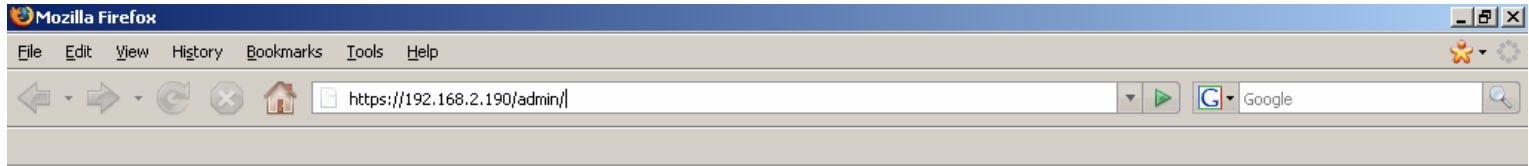
- ❑ Lan interface, which is the first interface, as shown in the figure
- ❑ You will need to connect a cross-cable to your laptop or desktop
- ❑ Give an 192.168.2.1 to your laptop/desktop

Basic Setup

- Access the Web Administration Console using either IE or Firefox
 - Type the URL
`https://192.168.2.190/admin/`
 - Login with the default credentials
User: superuser
Password: wonderdream

Pre-requisite

LAN	<ul style="list-style-type: none">•IP Address from your LAN pool•Netmask as given to your systems on LAN
WAN	<ul style="list-style-type: none">•IP Address from your WAN pool.•Netmask of your WAN network.•Gateway as given by your service provider



Website Certified by an Unknown Authority



Unable to verify the identity of gajshield.gajshield.com as a trusted site.

Possible reasons for this error:

- Your browser does not recognize the Certificate Authority that issued the site's certificate.
- The site's certificate is incomplete due to a server misconfiguration.
- You are connected to a site pretending to be gajshield.gajshield.com, possibly to obtain your confidential information.

Please notify the site's webmaster about this problem.

Before accepting this certificate, you should examine this site's certificate carefully. Are you willing to to accept this certificate for the purpose of identifying the Web site gajshield.gajshield.com?

Examine Certificate...

- Accept this certificate permanently
- Accept this certificate temporarily for this session
- Do not accept this certificate and do not connect to this Web site



OK

Cancel

GajShield: Web based Administration and Management Tool - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://192.168.2.190/admin/ Google

 **GajShield SecureGate v5** 

Firewall Management

GajShield Firewall Management

Username	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Login"/>	

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Done 192.168.2.190



GajShield SecureGate v5

Firewall Management



GajShield Firewall Management	
Username	<input type="text" value="superuser"/>
Password	<input type="password" value="*****"/>
<input type="button" value="Login"/>	

 **GajShield SecureGate v5**
Firewall Management



Your license has expire 

Please Upload License File

Gajshield: Web based Administration and Management Tool - Mozilla Firefox

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https://192.168.2.190/cgi-bin/mainmenus.cgi

GajShield SecureGate v5

Firewall management

Step 1 Step 2

NETWORK
FIREWALL
USERS
VPN
SYSTEM
ADMIN
REPORT
BROWSING
IPS
LOGOUT

Welcome to Firewall Wizard

Menu Tabs

Wizard is meant for the basic configuration of the firewall
You would be able to do the following

1. Configure the system settings
2. Configure Network settings and Firewall Policy

Start

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Done 192.168.2.190

GajShield Menu

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https://192.168.2.190/cgi-bin/mainmenu.ggi

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

System Configuration

Change Superuser password

Superuser Password	*****
New User Password	*****
Confirm New Password	*****

Apply

Back Next

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Done 192.168.2.190

The screenshot shows a web browser window displaying the GajShield SecureGate v5 administration interface. The browser's address bar shows the URL https://192.168.2.190/cgi-bin/mainmenu.ggi. The application header includes the GajShield logo and the text "GajShield SecureGate v5". Below the header is a navigation menu with options: NETWORK, FIREWALL, USERS, VPN, SYSTEM, ADMIN, REPORT, BROWSING, IPS, and LOGOUT. The main content area is titled "System Configuration" and is divided into "Step 1" and "Step 2". The current step is "Step 1", which contains a form titled "Change Superuser password". This form has three input fields: "Superuser Password", "New User Password", and "Confirm New Password", each containing a series of asterisks. Below the input fields is an "Apply" button. At the bottom of the form area are "Back" and "Next" buttons. The footer of the application displays the copyright notice "Copyright © GajShield Infotech (I) Pvt. Ltd. All rights reserved" and the IP address "192.168.2.190".

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https://192.168.2.190/cgi-bin/mainmenu.cgi

GajShield SecureGate v5
Firewall Management

Step 1 Step 2

NETWORK
FIREWALL
USERS
VPN
SYSTEM
ADMIN
REPORT
BROWSING
IPS
LOGOUT

System Configuration

Change Superuser password

Superuser Password	*****
New User Password	*****
Confirm New Password	*****

Apply

Back Next

Successfully Updated

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GajShield SecureGate v5
Firewall Management

Step 1 Step 2

NETWORK
FIREWALL
USERS
VPN
SYSTEM
ADMIN
REPORT
BROWSING
IPS
LOGOUT

System Configuration

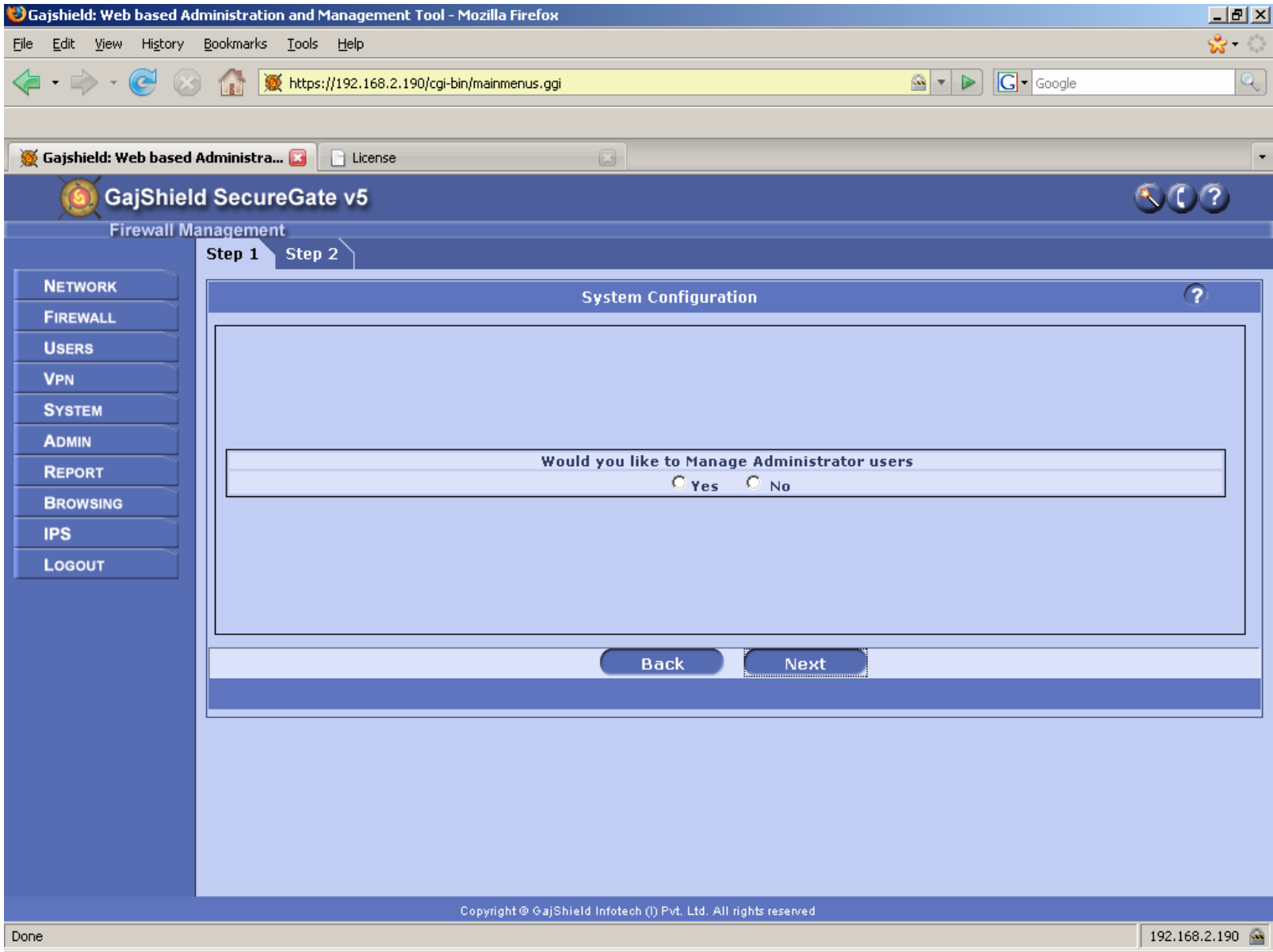
Would you like to Manage Administrator users

Yes No

Back Next

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Done 192.168.2.190

The image shows a web browser window displaying the GajShield SecureGate v5 Firewall Management interface. The browser's address bar shows the URL https://192.168.2.190/cgi-bin/mainmenu.cgi. The interface has a blue header with the product name and navigation icons. A left sidebar contains a menu with options like NETWORK, FIREWALL, and USERS. The main content area is titled 'System Configuration' and shows a progress indicator for 'Step 1' and 'Step 2'. A central dialog box asks 'Would you like to Manage Administrator users' with radio buttons for 'Yes' and 'No'. At the bottom of the dialog are 'Back' and 'Next' buttons. The footer contains copyright information and the IP address 192.168.2.190.

Gajshield: Web based Administration and Management Tool - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://192.168.2.190/cgi-bin/mainmenuus.ggi

GajShield SecureGate v5

Firewall Management

Step 1 Step 2

NETWORK
FIREWALL
USERS
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BROWSING
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LOGOUT

System Configuration

Do you want to configure session timeout of the web console and how many days should different logs be preserved on Gajshield Firewall

Yes No

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

System Configuration

Following is the list of Settings you can change

Session Timeout In Minutes	50
Days To Preserve Firewall Logs	30
Days To Preserve Proxy Logs	30
Days To Preserve System Logs	30
Days To Preserve Virus Logs	30
Days To Preserve Admin Logs	30

Apply

Back Next

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

System Configuration

Would you like to change System Date and Time

Yes No

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

System Configuration

Show Date and Time form

Time Zone	Asia-Calcutta
System Date	12/26/2007
System Time	19 21

Apply

Back Next

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Transferring data from 192.168.2.190... 192.168.2.190

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https://192.168.2.190/cgi-bin/mainmenu.cgi

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

Network/Policy Configuration

Would you like to configure Network Interface Cards

Yes No

Back Next

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Done 192.168.2.190

The screenshot shows a web browser window displaying the GajShield SecureGate v5 Firewall Management interface. The browser's address bar shows the URL https://192.168.2.190/cgi-bin/mainmenu.cgi. The interface has a blue header with the product name and a navigation menu on the left with options like NETWORK, FIREWALL, USERS, VPN, SYSTEM, ADMIN, REPORT, BROWSING, IPS, and LOGOUT. The main content area is titled 'Network/Policy Configuration' and shows a step-by-step wizard. The current step is 'Step 2', which asks 'Would you like to configure Network Interface Cards' with radio buttons for 'Yes' and 'No'. At the bottom of the configuration area are 'Back' and 'Next' buttons. The footer contains copyright information and the IP address 192.168.2.190.

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File Edit View History Bookmarks Tools Help

https://192.168.2.190/cgi-bin/mainmenuus.ggi

GajShield SecureGate v5

Firewall Management

Step 1 Step 2

Network/Policy Configuration

Configure Interfaces

Number of Network Interfaces 4 detected

Interface list

inf0	Modify
inf1	Modify
inf2	Modify
inf3	Modify

Back Next

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

Network/Policy Configuration

Configure Interfaces

Number of Network Interfaces: 4 detected

Interface list		
inf0		Modify
inf1		Modify
inf2		Modify
inf3		Modify

Interface:LAN

Interface Name: LAN (e.g secure, insecure)

Interface Type:

 Ethernet, DSL, Cable modem

 Dial up PPPoE Connection

[Configure >>](#)

STD Interface configuration		
IP Address		192.168.2.190
Netmask		255.255.255.0
Next Hop IP		
Interface BW		
MTU		1500

Save

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

Network/Policy Configuration

Configure Interfaces

Number of Network Interfaces: 4 detected

Interface list

Interface Name	Interface Type	Action
inf0		Modify
inf1		Modify
inf2		Modify
inf3		Modify

Interface:

Interface Name: ISP1 (e.g secure, insecure)

Interface Type:

 Ethernet, DSL, Cable modem

 Dial up PPPoE Connection

[Configure >>](#)

STD Interface configuration

IP Address	203.129.45.2
Netmask	255.255.255.0
Next Hop IP	203.129.45.1
Interface BW	
MTU	1500

Save

Back Next

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https://192.168.2.190/cgi-bin/wizard.ggi?uname=17670&step=2# 192.168.2.190

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

NETWORK
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VPN
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BROWSING
IPS
LOGOUT

Network/Policy Configuration

Would you like to configure DNS and Default gateway

Yes No

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https://192.168.2.190/cgi-bin/wizard.cgi?uname=17670&step=2# 192.168.2.190

The image shows a web browser window displaying the GajShield SecureGate v5 Firewall Management interface. The browser's address bar shows the URL https://192.168.2.190/cgi-bin/mainmenus.cgi. The interface has a dark blue header with the product name and logo. Below the header is a navigation menu with buttons for NETWORK, FIREWALL, USERS, VPN, SYSTEM, ADMIN, REPORT, BROWSING, IPS, and LOGOUT. The main content area is titled "Network/Policy Configuration" and shows a step-by-step wizard. The current step is "Step 2", which asks the user "Would you like to configure DNS and Default gateway" with radio buttons for "Yes" and "No". At the bottom of the configuration area are "Back" and "Next" buttons. The footer contains the copyright notice "Copyright © GajShield Infotech (I) Pvt. Ltd. All rights reserved" and the IP address "192.168.2.190".

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

Network/Policy Configuration

Update DNS, Gateway and Internet Interface

Name server	127.0.0.1
	4.2.2.2
Default Gateway	ISP1

Save

Back Next

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https://192.168.2.190/cgi-bin/wizard.cgi?uname=17670&step=2# 192.168.2.190

Gajshield: Web based Administration and Management Tool - Mozilla Firefox

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GajShield SecureGate v5
Firewall Management

Step 1 Step 2

NETWORK
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Network/Policy Configuration

Check and confirm the configurations made.

Yes No

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https://192.168.2.190/cgi-bin/wizard.ggi?uname=17670&step=2# 192.168.2.190

GajShield SecureGate v5

Firewall Management

Step 1 Step 2

- NETWORK
- FIREWALL
- USERS
- VPN
- SYSTEM
- ADMIN
- REPORT
- BROWSING
- IPS
- LOGOUT

Network/Policy Configuration

Network Settings

Number of interfaces	4
Name server	127.0.0.1
Default Gateway	4.2.2.2
	ISP1

Interfaces List

Name	ISP1	LAN
IP	203.129.45.2	192.168.2.190
netmask	255.255.255.0	255.255.255.0
Gateway	203.129.45.1	
Bandwidth		
MTU	1500	1500
Driver	Intel i82557/i82558 PCI EtherExpressPro	Intel i82557/i82558 PCI EtherExpressPro
default route		
Interface type	std	std
PPPoE User name		
PPPoE Password		
service name		
access concentrator		

Apply

Back

Next

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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

Network/Policy Configuration

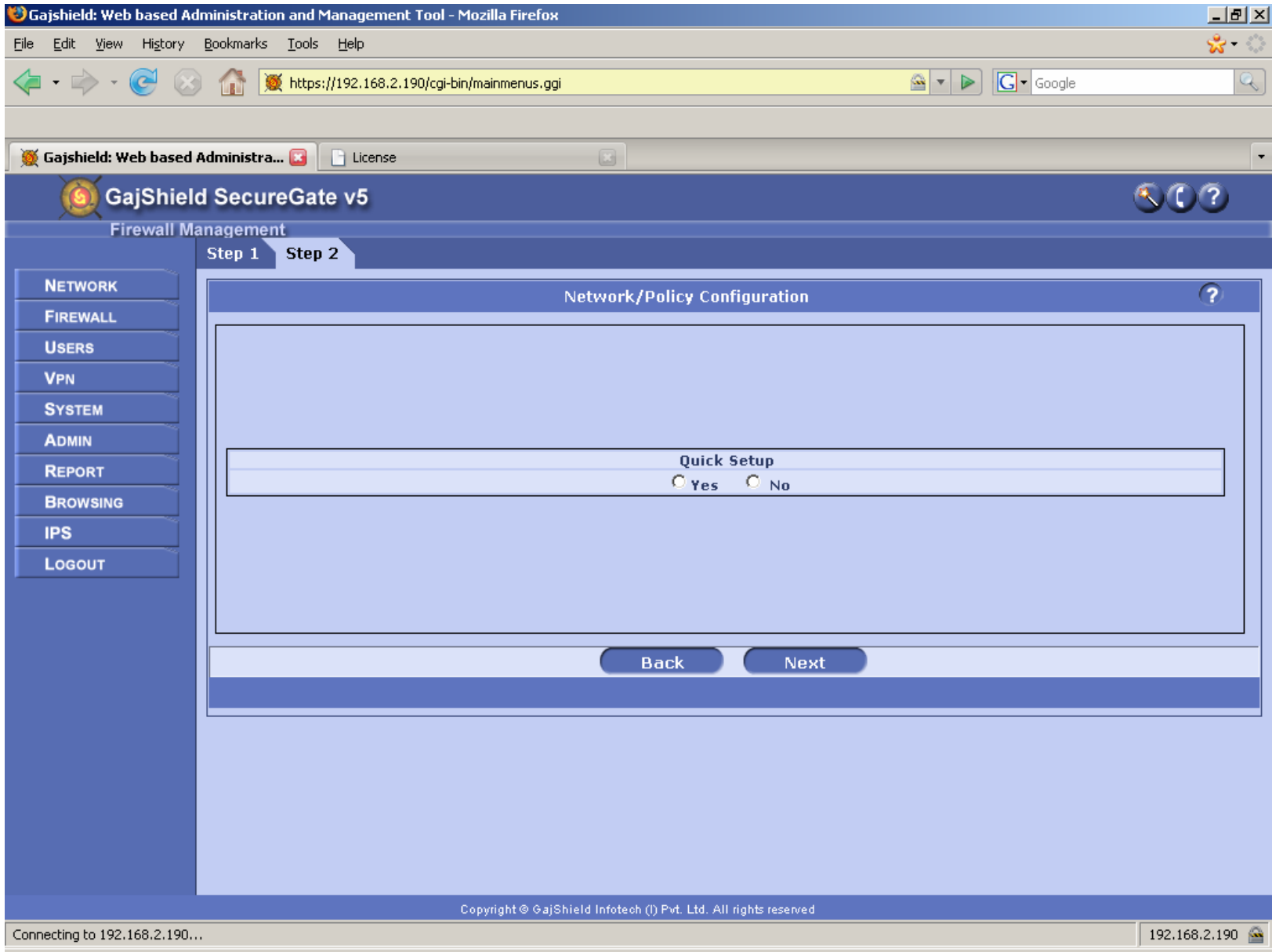
Quick Setup

Yes No

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Connecting to 192.168.2.190... 192.168.2.190



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GajShield SecureGate v5

Firewall Management

Step 1 Step 2

Network/Policy Configuration

Interfaces Information Menu

LAN Interface	IP : 192.168.2.190
WAN Interface	IP : 203.129.45.2 Gateway : 203.129.45.1

Quick Rules

<input checked="" type="checkbox"/> Name Services (DNS)	<input checked="" type="checkbox"/> With Virus Scanning	<input checked="" type="checkbox"/> With URL Filtering
<input checked="" type="checkbox"/> Browse(HTTP,HTTPS)	<input type="checkbox"/> With Virus Scanning	
<input type="checkbox"/> Sending Mails (SMTP)	<input type="checkbox"/> With Virus Scanning	
<input type="checkbox"/> Receiving Mails (POP3)	<input type="checkbox"/> With Virus Scanning	
<input type="checkbox"/> File Transfer (FTP)	<input type="checkbox"/> With Virus Scanning	
<input type="checkbox"/> Remote Login (Telnet,SSH)		
<input type="checkbox"/> Network Services (Ping, Traceroute,SNMP)		
<input type="checkbox"/> IPSEC VPN (IPSEC)		
<input type="checkbox"/> PPTP VPN (PPTP,GRE)		

Apply

Back Next

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Connecting to 192.168.2.190... 192.168.2.190

Exercise

- Setup a GajShield UPTM with the following settings
 - Change Administrator password to 'Im2good2btrue'
 - Preserve log files for 15 days
 - My Web Management should log me out, if I my session is idle for more than 15 minutes. Make the necessary modifications.
 - My country of installation is Malaysia – Kaula Lumpur.
 - Current time in Malaysia is '15:45'



Exercise

- Setup a GajShield UPTM with the following settings
 - Configure the device as shown in the figure
 - Configure the DNS to 203.197.32.133
 - Configure the Gateway to 203.124.135.42
 - Setup the following policies
 - Browsing with virus scanning and URL filtering
 - Outbound mail with virus scanning
 - Allow outbound ssh sessions
 - Allow outbound ping

