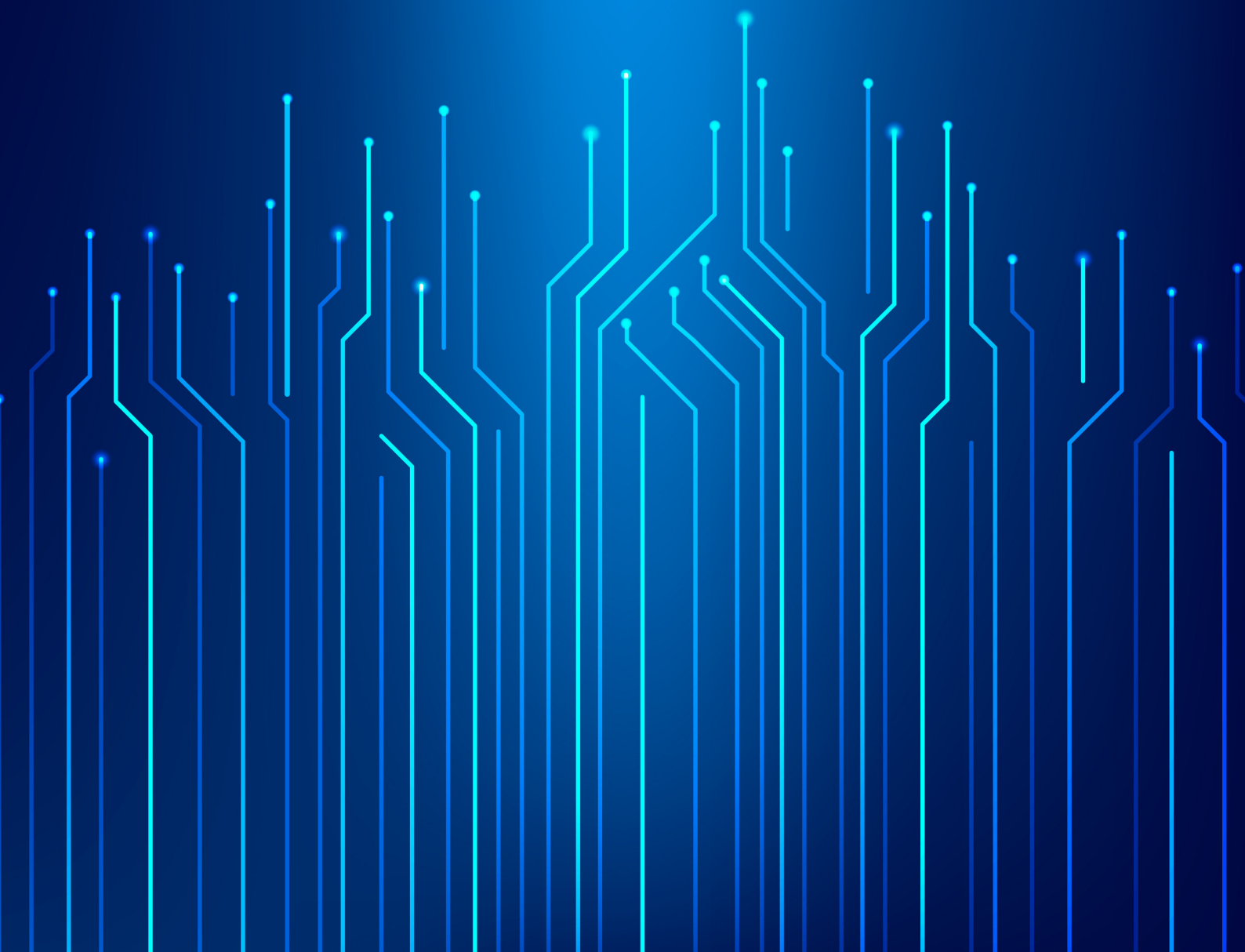


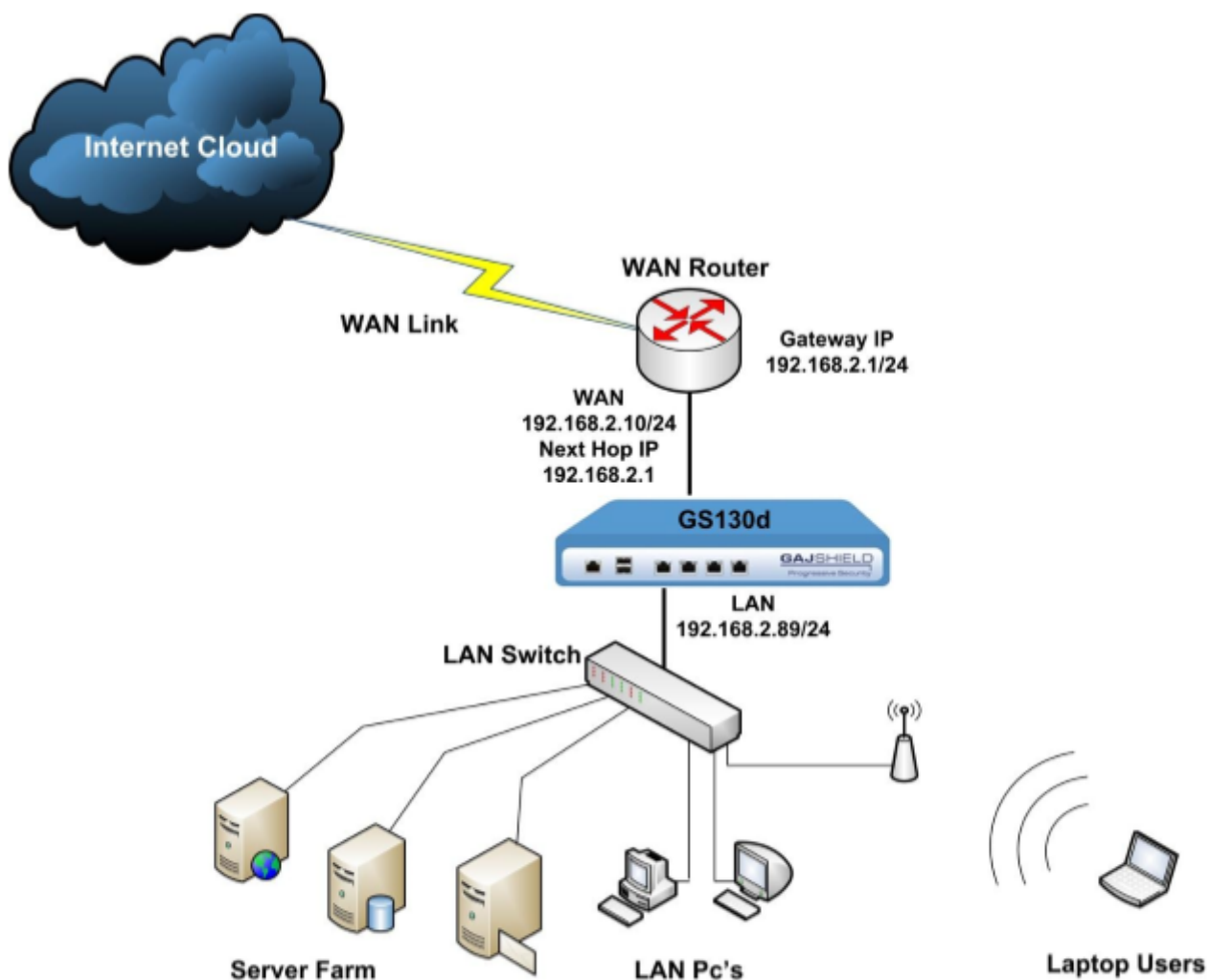
How to configure proxy ARP on your firewall



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In this document, we will guide you through the steps to configure Proxy ARP on your firewall.

Proxy ARP can be used in a network where clients placed on different physical networks are configured as if they are all on the same subnet. It can be used to create a subnetting effect without changing the network configuration of the devices.



NOTE: It is strictly recommended to connect the WAN port of your proxy ARP firewall directly to the existing LAN gateway and not on the live LAN switch.

Step 1: Configuration of LAN interface

Configure an interface by going to Configuration -> Device -> Interfaces

Configure Interface	
Interface Name	WAN <input type="checkbox"/> Proxy ARP
Network Zone (Optional)	Please Select ▼
IPv4 Configuration	
Interface Type	Standard ▼
Default Gateway	<input type="checkbox"/>
IP Address	2.2.2.2
Netmask	255.255.255.252
Next HOP IP (Optional)	2.2.2.1
IPv6 Configuration	
IPv6 Address / Prefix	<input type="text"/> / <input type="text"/>
Next HOP IP (Optional)	<input type="text"/>
Default Gateway	<input type="checkbox"/>
Advanced Settings	
Interface Speed	Auto Negotiation ▼
MTU (Optional)	1500 Must be (576 - 1500)
MSS (Optional)	<input type="text"/> Must be (536 - 1460)
<input type="button" value="Apply"/>	

Tick the Proxy ARP checkbox while configuring Proxy ARP on firewall interfaces.

Step 2: Configuration of WAN interface.

Configure Interface

Interface Name	<input type="text" value="WAN"/>	<input checked="" type="checkbox"/> Proxy ARP
Network Zone (Optional)	<input type="text" value="Please Select"/>	
IPv4 Configuration		
Interface Type	<input type="text" value="Standard"/>	
Default Gateway	<input checked="" type="checkbox"/>	
IP Address	<input type="text" value="2.2.2.2"/>	
Netmask	<input type="text" value="255.255.255.252"/>	
Next HOP IP (Optional)	<input type="text" value="2.2.2.1"/>	
IPv6 Configuration		
IPv6 Address / Prefix	<input type="text"/> / <input type="text"/>	
Next HOP IP (Optional)	<input type="text"/>	
Default Gateway	<input type="checkbox"/>	
Advanced Settings		
Interface Speed	<input type="text" value="Auto Negotiation"/>	
MTU (Optional)	<input type="text" value="1500"/> Must be (576 - 1500)	
MSS (Optional)	<input type="text"/> Must be (536 - 1460)	

NOTE: Make sure you check the Default Gateway box if you want the interface to be the default gateway of the firewall.

Configure Interface	
Interface Name	WAN <input type="checkbox"/> Proxy ARP
Network Zone (Optional)	Please Select ▼
IPv4 Configuration	
Interface Type	Standard ▼
Default Gateway	<input checked="" type="checkbox"/>
IP Address	2.2.2.2
Netmask	255.255.255.252
Next HOP IP (Optional)	2.2.2.1
IPv6 Configuration	
IPv6 Address / Prefix	<input type="text"/> / <input type="text"/>
Next HOP IP (Optional)	<input type="text"/>
Default Gateway	<input type="checkbox"/>
Advanced Settings	
Interface Speed	Auto Negotiation ▼
MTU (Optional)	1500 Must be (576 - 1500)
MSS (Optional)	<input type="text"/> Must be (536 - 1460)
<input type="button" value="Apply"/>	

Select the proxy ARP Checkbox, enter the free LAN IP address and gateway will be specified in your next hop IP address field.

Once you are done entering IP addresses on both the interfaces, restart the network by going to Configuration -> Device -> Restart Nw

Step 3: Proxy ARP settings.

Go to Configuration -> Device -> Proxy ARP

The following screen appears

Configure Proxy ARP	
First Network	--select network-- ▼
First Interface	Airtel ▼
Second Network	--select network-- ▼
Second Interface	Airtel ▼
<input type="button" value="Add"/>	

In the First Network, select LAN network.

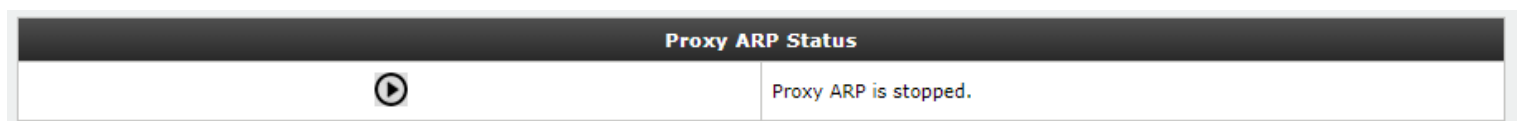
In First Interface, select LAN interface of the firewall.

In second network, (create a host of your existing gateway) select your gateway IP from the drop-down list.

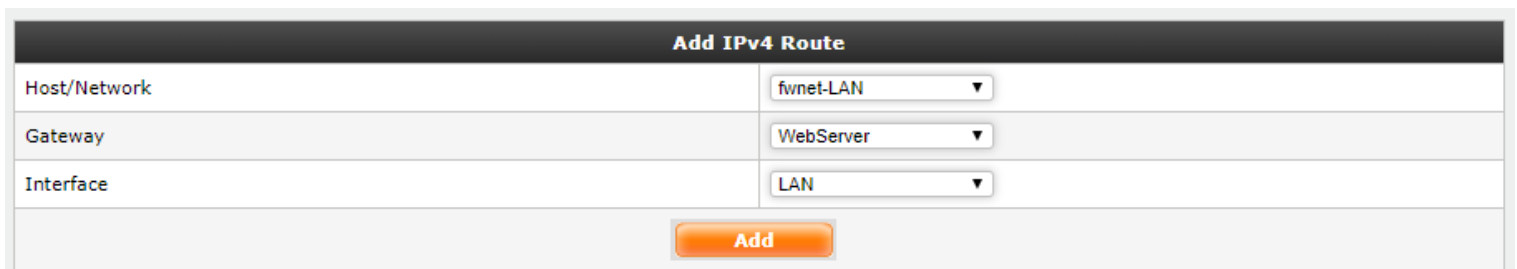
In Second Interface, select WAN interface of the firewall.

Step 4: Confirm configuration and start Proxy ARP service.

Start Proxy ARP service and restart the network



Step 5 (Optional): Add static route if your network requires to connect remote office using your existing LAN gateway.



Add Route on your proxy ARP enabled interfaces if you have MPLS networks.

Thus, you have learnt to configure proxy ARP on your firewall.