

## How to Configure Inbound Port Forwarding?

Inbound port forwarding, also known as Inbound Access, allows application servers such as web and mail servers hosted on the LAN side become accessible from the Internet.

Two configuration scenarios are available for the inbound port forwarding. Please follow the respective configuration information depending on:

- **Inbound Port Forwarding in Drop-In Mode**
- **Inbound Port Forwarding in NAT Mode**



### Inbound Port Forwarding in Drop-In Mode

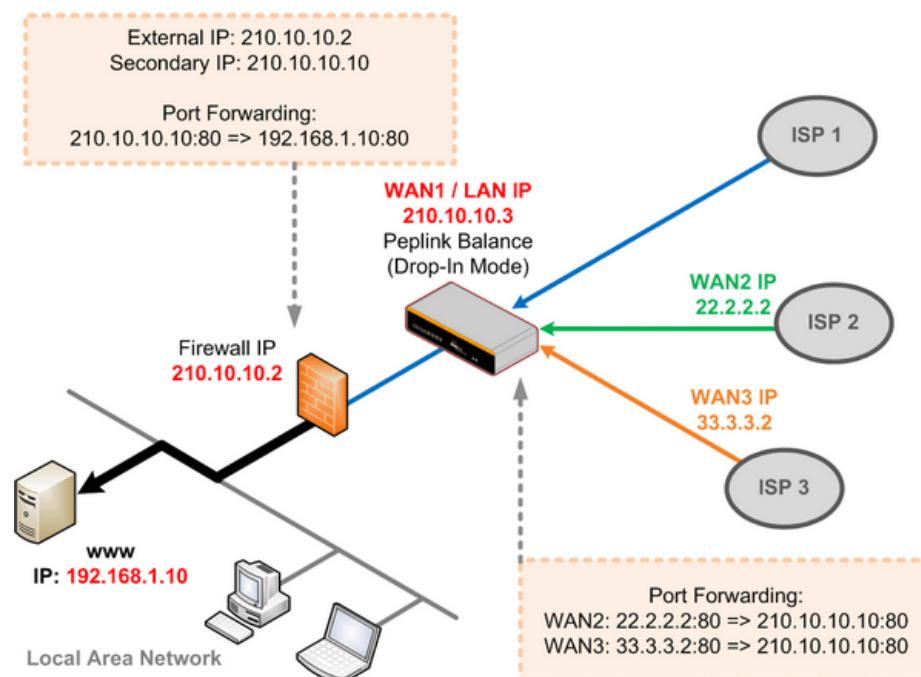
When there is a firewall placed on the LAN side of the Peplink Balance, the inbound traffic should be forwarded to the firewall, not the LAN itself.

The firewall located on the LAN side of Peplink should already have Inbound port forwarding configured to translate the inbound traffic as follows:

- Destination IP 210.10.10.10 on TCP port 80 (secondary IP on firewall) will be translated to 192.168.1.10 on TCP port 80

In Drop-in Mode, inbound traffic to 210.10.10.10 through WAN1 on Peplink Balance should be passed through without any IP changes. Inbound traffic going through WAN2 or WAN3 should have destination IP translated as follows:

- WAN2: Destination IP 22.2.2.2 on TCP port 80 will be translated to 210.10.10.10 on TCP port 80
- WAN3: Destination IP 33.3.3.2 on TCP port 80 will be translated to 210.10.10.10 on TCP port 80



### Configuring Inbound Port Forwarding in Drop-In Mode

To setup inbound port forwarding on the Web Admin Interface, go to **Network > Inbound Access > Servers**, click on **Add Server** to define a new server.

Server Name	IP Address	
Web_Server	210.10.10.10	Delete
Add Server		

Go to **Network > Inbound Access > Services**, click on **Add Service** to create new service records.

Enable	<input checked="" type="radio"/> Yes <input type="radio"/> No																
Service Name *	HTTP_TCP_PORT_80																
IP Protocol	TCP ← HTTP <span style="border: 1px solid yellow; border-radius: 10px; padding: 2px;">Select Protocol</span>																
Port	Single Port Service Port: 80																
Inbound IP Address(es) * <small>(Require at least one IP address)</small>	<table border="1"> <thead> <tr> <th colspan="2">Connection / IP Address(es)</th> <th>All</th> <th>Clear</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> WAN1</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> WAN2</td> <td><input checked="" type="checkbox"/> 22.2.2.2 (Interface IP)</td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> WAN3</td> <td><input checked="" type="checkbox"/> 33.3.3.2 (Interface IP)</td> <td></td> <td></td> </tr> </tbody> </table> <span style="border: 1px solid yellow; border-radius: 10px; padding: 2px; display: inline-block;">Select WAN(s) and IP(s) that should listen for inbound traffic</span>	Connection / IP Address(es)		All	Clear	<input type="checkbox"/> WAN1				<input checked="" type="checkbox"/> WAN2	<input checked="" type="checkbox"/> 22.2.2.2 (Interface IP)			<input checked="" type="checkbox"/> WAN3	<input checked="" type="checkbox"/> 33.3.3.2 (Interface IP)		
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Included Server(s) * <small>(Require at least one Server)</small>	<table border="1"> <thead> <tr> <th>Server</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Web_Server (210.10.10.10)</td> <td>1</td> </tr> </tbody> </table> <span style="border: 1px solid yellow; border-radius: 10px; padding: 2px; display: inline-block;">Select server</span>	Server	Weight	<input checked="" type="checkbox"/> Web_Server (210.10.10.10)	1												
Server	Weight																
<input checked="" type="checkbox"/> Web_Server (210.10.10.10)	1																

\* Required Fields

Save Cancel

Click **Save** and **Apply Changes** to activate settings.

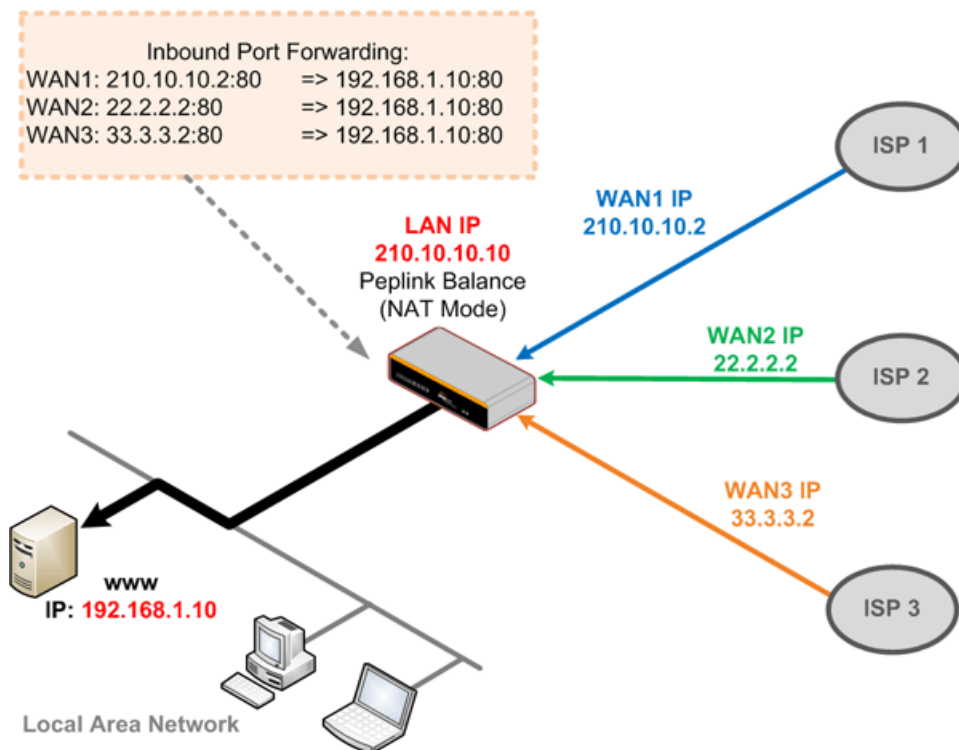
Service	IP Address(es)	Server	Protocol	Action
HTTP_TCP_PORT_80	WAN2: Interface IP WAN3: Interface IP	Web_Server (210.10.10.10)	TCP:80	Delete
Add Service				

With these new settings, the inbound traffic for a specific protocol from a selected WAN(s) will be forwarded to the destination. If more than one server is selected under **Included Server(s)**, Peplink Balance will distribute the requests to servers according to the assigned weight.

### Inbound Port Forwarding in NAT Mode

Inbound traffic going through WAN1, WAN2 or WAN3 should be port forwarded to the LAN directly and have destination IP translated as follows:

- WAN1: Destination IP 210.10.10.2 on TCP port 80 will be translated to 192.168.1.10 on TCP port 80
- WAN2: Destination IP 22.2.2.2 on TCP port 80 will be translated to 192.168.1.10 on TCP port 80
- WAN3: Destination IP 33.3.3.2 on TCP port 80 will be translated to 192.168.1.10 on TCP port 80

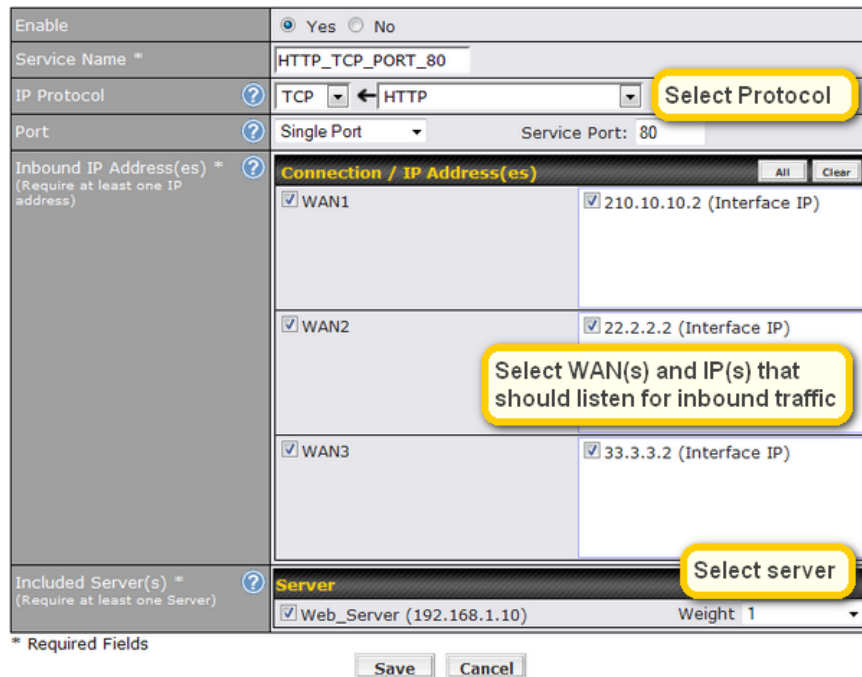


### Configuring Inbound Port Forwarding in NAT Mode

To set up inbound port forwarding on the Web Admin Interface, go to **Network > Inbound Access > Servers**, click on **Add Server** to define a new server.

Server Name	IP Address	
Web_Server	192.168.1.10	Delete
<input type="button" value="Add Server"/>		

Go to **Network > Inbound Access > Services**, click on **Add Service** to add new service records.



Enable:  Yes  No

Service Name \*: HTTP\_TCP\_PORT\_80

IP Protocol: TCP ← HTTP Select Protocol

Port: Single Port Service Port: 80

Inbound IP Address(es) \* (Require at least one IP address):

Connection / IP Address(es)	
<input checked="" type="checkbox"/> WAN1	<input checked="" type="checkbox"/> 210.10.10.2 (Interface IP)
<input checked="" type="checkbox"/> WAN2	<input checked="" type="checkbox"/> 22.2.2.2 (Interface IP)
<input checked="" type="checkbox"/> WAN3	<input checked="" type="checkbox"/> 33.3.3.2 (Interface IP)

Select WAN(s) and IP(s) that should listen for inbound traffic

Included Server(s) \* (Require at least one Server):

Server	
<input checked="" type="checkbox"/> Web_Server (192.168.1.10)	Weight 1

Select server

\* Required Fields

Save Cancel

Click **Save** and **Apply Changes** to activate settings.

Service	IP Address(es)	Server	Protocol	Action
HTTP_TCP_PORT_80	WAN1: Interface IP WAN2: Interface IP WAN3: Interface IP	Web_Server (192.168.1.10)	TCP:80	Delete

Add Service

With these new settings, the inbound traffic for a specific protocol from a selected WAN(s) will be forwarded to the destination. If more than one server is selected under **Included Server(s)**, Peplink Balance will distribute the requests to servers according to the assigned weight.

## About Peplink

Peplink is the proven market leader in delivering Internet link load balancing solutions. Peplink's products have been deployed by service providers, public safety agencies, city governments and enterprise customers around the world. As an innovative creator of technology solutions, Peplink operates globally with offices in North America and Asia in cooperation with distributors, system integrators and strategic alliance partners.

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