

How to Configure a DNS Listener

<https://campus.barracuda.com/doc/17597/>

According to its default configuration, the CloudGen Firewall responds to DNS queries only from direct-attached networks. The reason is to protect the firewall from heavy loads of queries, e.g., DOS attacks. This is possible because of the listeners (INTERNAL, EXTERNAL) that have already been preconfigured. However, sometimes it may be necessary to allow queries from remote networks as well. In addition, you might need a separate listener that must snoop for incoming DNS queries on an interface with a specific IP address.


Before You Begin

- Verify that all service IP addresses are already configured that are necessary for answering DNS queries on the respective incoming interfaces. For more information, see [How to Assign Services](#).

Create a DNS Listener

Create a listener for a specific IP address on one of the interfaces of your firewall.

1. Go to **CONFIGURATION > Configuration Tree > Box > Assigned Services > DNS > DNS-Service**.
2. In the left menu, click **DNS Settings**.
3. In the main window, click + to the right of the table of the section **DNS Listener Classification**.
4. The **Add New DNS Listener** window is displayed.
5. For **Listener Name**, enter a name that clearly lets you identify the listener, e.g., via-ISP1 for a query that is coming in via ISP1.
6. From **Listener IP**, select an IP address from the list, e.g., 62.99.0.30 for the local DNS service IP.
7. From **Classification**, select either INTERNAL or EXTERNAL depending on which networks domain the IP address belongs to.
8. Select **Recursive Lookups** if you want to allow answering queries that are not part of any hosted zone table.

 Add New DNS Listener ✕

Listener Name	<input type="text" value="via-ISP1"/>	Listener Name Denominates the instance that is listening to incoming requests.
Listener IP	<input type="text" value="62.99.0.30"/>	Listener IP Selects an IP address on the firewall where a listener is waiting for DNS resolving requests.
Classification	<input type="text" value="INTERNAL"/>	Classification Classifies a local IP address or interface on the firewall to be used for requests from a private network (INTERNAL) or the Internet (EXTERNAL). This applies to the split-horizon paradigm of a split-DNS configuration.
Recursive Lookup	<input type="checkbox"/>	Recursive Lookup Enables/Disables the recursive lookup for queries not in the Hosted Zone table

9. Click **OK**.
10. Click **Send Changes**.
11. Click **Activate**.

After sending the configuration, the listener is displayed in the main window in the list.

Configuration DNS Settings Hosted Zones	DNS Listeners Classification			
	Listener Name	Listener IP	Classification	Recursive Lookup
	via-ISP1	62.99.0.30	INTERNAL	no

Figures

1. create_listener_window.png
2. listener_added.png

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