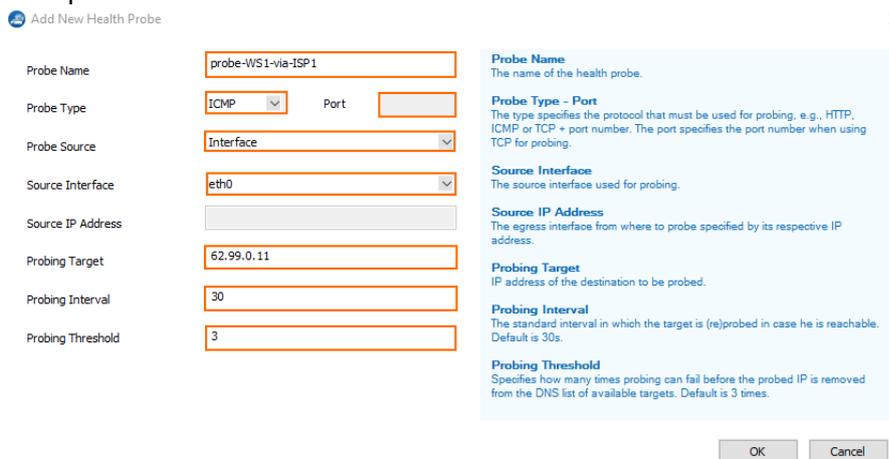


1. Go to **CONFIGURATION > Configuration Tree > Box > Assigned Services > DNS > DNS-Service**.
2. In the left menu, click **DNS Settings**.
3. In the main window, select **Yes** for **ADNS Health Probing** if you want to activate it.
4. In the main window, click **+** to the right of the table of the section **Health Probes**.
5. The **Add New Health Probes** window is displayed.
6. For **Probe Name**, enter a name that clearly lets you identify the health probe, e.g., probe-WS1-via-ISP1.
7. For **Probe Type**, select the method how you want the target to be probed.
 1. **ICMP** – Select this option if your target must be probed using the ICMP protocol (ping).
 2. **(Alternatively) TCP** – Alternatively select TCP:
 1. **Probing Target** – Add the IP address for the probing target.
 2. **Port** – Add the port number.
 3. **HTTP/S** – Select this option if you want to probe a target that provides information on port 80/443, e.g. web server.
 1. **Probing Target** – Add a HTTP/S URL.
 4. **TCP + Port** – Select this option if none of the above options cover your requirements, and enter your individual values as needed.
8. **Probe Source** – Select the egress interface either via the **IP Address** or the **Interface** option.
 1. **Source Interface** – Select the egress interface on your firewall.
 2. **IP Address** – Select the egress interface by its related IP address.
9. **Probing Target** – Enter the IP address of the target host that must be probed for its availability.
10. **Probing Interval** – The standard interval in which the target is (re-)probed in case it is not reachable. The default value is 30 sec. Enter another value if required.
11. **Probing Threshold** – Specifies how many times probing can fail before the probed IP is removed from the DNS list of available targets. The default value is 3 times. Enter another value if required.



Probe Name	probe-WS1-via-ISP1	Probe Name The name of the health probe.
Probe Type	ICMP Port	Probe Type - Port The type specifies the protocol that must be used for probing, e.g., HTTP, ICMP or TCP + port number. The port specifies the port number when using TCP for probing.
Probe Source	Interface	Source Interface The source interface used for probing.
Source Interface	eth0	Source IP Address The egress interface from where to probe specified by its respective IP address.
Source IP Address		Probing Target IP address of the destination to be probed.
Probing Target	62.99.0.11	Probing Interval The standard interval in which the target is (re)probed in case he is reachable. Default is 30s.
Probing Interval	30	Probing Threshold Specifies how many times probing can fail before the probed IP is removed from the DNS list of available targets. Default is 3 times.
Probing Threshold	3	

12. Click **OK**.
13. Click **Send Changes**.
14. Click **Activate**.

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

Health Probes

Name	Interface	Source IP	Type	Threshold	Interval	Port	Target
probe-WS1-via-ISP1	eth0		ICMP	3	30		62.99.0.11

The health probe can now be used in conjunction with IP addresses that will be part of a DNS response in case the probed target is available.

Figures

1. health_probes.png
2. add_new_health_probe_window.png
3. health_probe_added.png

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