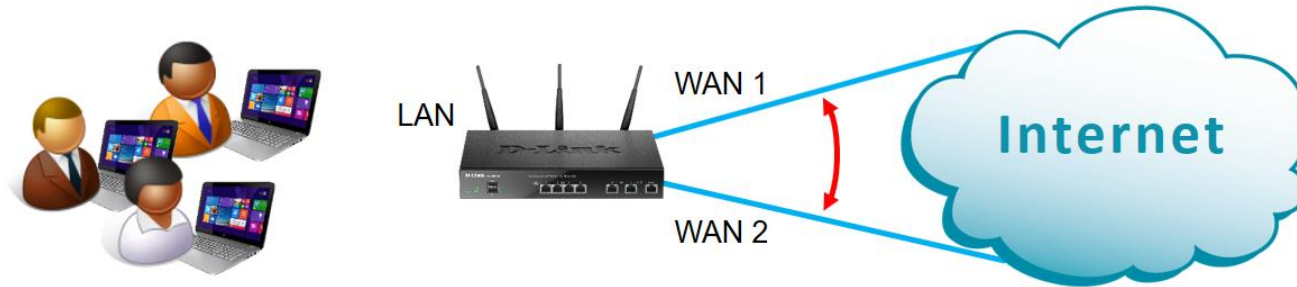


WAN Load Balancing Guide

DSR-1000AC / DSR-500AC

Firmware 3.08B302C



Using two Internet connections allows to increase total available bandwidth and at the same time offer fault tolerance.

Configuration Steps:

- Enable Load Balancing feature on WAN.
- Select the Load Balancing algorithm.
- Optional: Select the WAN failure detection method

Go to *Network > WAN Mode*

Set WAN Mode to “Load Balancing”.

The screenshot shows the D-Link router's web interface. The top navigation bar includes Status, Wireless, Network, VPN, Security, and Maintenance. The Network menu is expanded, showing options like LAN, VLAN, Internet (IPv4), Routing, and IPv6. The 'WAN Mode' option under Internet (IPv4) is highlighted. A dialog box titled 'WAN Mode Setup' is open, showing 'WAN Mode' set to 'Load Balancing'. Below this, the 'Load Balancing Setup' section has 'Round Robin' selected. Other settings include 'WAN health check' set to 'WAN DNS Servers', 'Retry Interval' set to 30 seconds, and 'Failover After' set to 4 failures. 'Save' and 'Cancel' buttons are at the bottom of the dialog.

WAN Mode Setup
WAN Mode: Load Balancing

Load Balancing Setup
Load Balancing: Round Robin Spillover Mode

WAN health check: WAN DNS Servers

Retry Interval is: 30 [Default: 30, Range: 5 - 999] Seconds

Failover After: 4 [Default: 4, Range: 2 - 999] Failures

Save Cancel

Optional: Your router can detect when the primary connection has failed and automatically switch to the backup connection.

You can select the WAN failure detection method that works best for you:

**Method 1:
WAN DNS Servers.**

Verifying if DNS servers assigned on WAN are resolving names

WAN health check	<input type="text" value="WAN DNS Servers"/>
Retry Interval is	<input type="text" value="30"/> [Default: 30, Range: 5 - 999] Seconds
Failover After	<input type="text" value="4"/> [Default: 4, Range: 2 - 999] Failures

**Method 2:
DNS Servers.**

Verifying if the specified DNS server is resolving names

WAN health check	<input type="text" value="DNS Servers"/>
WAN 1	<input type="text" value="8.8.8.8"/>
Retry Interval is	<input type="text" value="30"/> [Default: 30, Range: 5 - 999] Seconds
Failover After	<input type="text" value="4"/> [Default: 4, Range: 2 - 999] Failures

**Method 3:
Ping IP Addresses.**

Verifying if the specified IP address can be reached using ping packet

WAN health check	<input type="text" value="Ping These IP Addresses"/>
WAN 1	<input type="text" value="61.88.88.88"/>
Retry Interval is	<input type="text" value="30"/> [Default: 30, Range: 5 - 999] Seconds
Failover After	<input type="text" value="4"/> [Default: 4, Range: 2 - 999] Failures

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