



# DNS Health Monitor

Avi Technical Reference (v17.1)

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# DNS Health Monitor

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This article covers the specific configuration for this monitor type. See the [Overview of Health Monitors](#) article for general monitor information, implementation, and other monitor types.

The DNS health monitor validates the health of DNS servers by sending a UDP DNS request and comparing the response IP address.

## General Monitor Configuration

- **Send Interval:** Frequency at which the health monitor initiates a server check, in seconds.
- **Receive Timeout:** Maximum amount of time before the server must return a valid response to the health monitor, in seconds.
- **Successful Checks:** Number of consecutive health checks that must succeed before Vantage marks a down server as being back up.
- **Failed Checks:** Number of consecutive health checks that must fail before Vantage marks an up server as being down.

## DNS Specific Configuration

A DNS Monitor queries Name Servers for an A record and matches the resolved response against an expected IP address.

- **Request Name:** Fully qualified resource record to be checked, such as `www.avinetworks.com`
- **Response Matches:**
  - **Anything:** Any DNS answer from the server will be successful, even an empty answer.
  - **Any Type:** The DNS response must contain at least one non-empty answer.
  - **Query Type:** The response must have at least one answer of which the resource record type matches the query type.
- **Response Code:**
  - **Anything:** The DNS server's response code, and any potential errors, are ignored and will not result in a health check failure.
  - **No Error:** An error in the DNS response results in a health check fail.
- **Response String:** The DNS response must contain this IP address to be considered successful.