



# DNS / NTP Settings

Avi Technical Reference (v16.3)

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# DNS / NTP Settings

[view online](#)

Avi Vantage requires access to valid DNS and NTP servers for operation. Use of an NTP server is especially critical. Avi Vantage cannot function properly without an NTP server. Port 123 needs to be open on the Avi Controller to receive timestamps over UDP. See also: [NTP Settings](#).

## View or Modify DNS / NTP Settings

1. Navigate to Administration > Settings > DNS/NTP.
2. To edit the settings, click on the edit icon.
3. Click Save when finished.

## DNS / NTP Settings

Update System Settings

• DNS / NTP Settings •

DNS Resolver(s)

DNS Search Domain

NTP Server(s)

Auto upload diagnostic information to Avi Networks, Inc.

- **DNS Resolver(s):** A comma-delimited list of DNS server IP addresses. If a DNS server is not configured, Avi Vantage will not be able to accept names for load-balanced servers, virtual services, mail servers, and similar inputs.
- **DNS Search Domain:** Local domain name, which will be appended to a name that is not fully qualified. For instance, if the DNS search domain is set to avinetworks.com, and the name to be resolved is www, then Avi Vantage will lookup www.avinetworks.com.
- **NTP Server(s):** A comma-delimited list of NTP server names or IP addresses. Avi Vantage will use an NTP server to maintain date and time. NTP will be used to set the clock on the Avi Controllers. The Avi Controllers will then set the clock on the Avi Service Engines (SEs). If no NTP server is configured nor accessible, the Avi Controller clock may drift or be off, but the Avi SEs will still be in sync with the Avi Controller time.
- **Auto upload diagnostic information to Avi Networks:** When selected, Avi Vantage automatically uploads the entire show tech support file, once a day, to an AWS S3 bucket. This diagnostic information file includes:
  - Configuration information, where sensitive fields such as passwords and SSL keys are encrypted.
  - Core dumps and stack traces.
  - All events.
  - Process logs, which includes upstart and running logs.
  - Client logs, that are hashed in an unreadable format.

For more information on AWS S3 buckets, refer to [Working with Amazon S3 Buckets](#).