



Support for SNI Extension in TLS Handshakes to Pool Servers

Avi Technical Reference (v17.1)

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In Avi Vantage 16.2 and higher, TLS SNI is supported for connections to pool servers.

Referring to the figure, selection of the SSL to Backend Servers checkbox causes a set of fields to appear, among them the TLS SNI option, which is ON by default. Checking it enables TLS SNI for connections to servers. The SNI extension is sent as part of the handshake. Optionally, one may furnish a fully qualified DNS hostname to be used in the TLS SNI extension in server connections. If no value is specified (the default), Avi will use the pool name (value of the incoming request's Host Header) instead.

The screenshot shows the 'New Pool: my_pool' configuration window in Avi Vantage, specifically the 'Step 3: Advanced' tab. The interface is divided into several sections:

- General Settings:** Name (my_pool), Default Server Port (80), Load Balance (Least Connections), Persistence (None), AutoScale Policy (None), and AutoScale Launch Config (None).
- Health Monitors:** Enabled (checked), Passive Health Monitor (checked), and an 'Add Active Monitor' button. A message states: 'No active health monitors have been added to this pool.'
- SSL and TLS Settings:** SSL to Backend Servers (checked), SSL Profile (None), Server SSL Certificate Validation PKI Profile (None), Service Engine Client Certificate (None), Common Name Check (unchecked), and TLS SNI (checked).
- TLS SNI Specifics:** TLS SNI Server Name (www.foo.com).

Navigation buttons 'Cancel' and 'Next' are visible at the bottom of the window.