



# Linux Server Cloud (Bare-Metal) Support in Avi Vantage

Avi Technical Reference (v17.2)

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A bare-metal Avi Vantage Platform deployment offers elastic application services that extend beyond load balancing to deliver the below advantages:

- Extends to the front-end ADC the bare-metal benefits already present in the application server back end
- Adds all the benefits inherent in the software-defined Avi Vantage Platform:
- Full-featured load balancing, including multiple load-balancing algorithms and advanced HTTP content switching capabilities
- Fast application provisioning
- End-to-end visibility that eliminates guesswork and reduces troubleshooting to minutes
- Real-time insights into application health, end-user experience, and log analytics
- On-demand autoscaling
- Point-and-click security and compliance
- Leverages the raw horsepower of the underlying hardware without the overhead added by a traditional virtualization layer
- Supports a wide range of Linux operating systems
- Uses Docker containers for maximum efficiency, reduced resource consumption, and ease of installation

The following table provides a comprehensive list of links to the documentation for Linux server cloud and bare-metal support:

**Deployment References****Installation Guide****Bare-Metal OSs, Kernels and NICs****Server Maintenance****VLAN Configuration****Public Key Management****Commands Requiring `sudo`****VRF Support****Port Channeling****Docker****Configuration References****Configuration Guide****Configuration Using Avi CLI****Adding Service Engines****In-Band Management for Service Engine****AWS Linux Cloud with No-Access Mode****IPAM Provider****Adding Avi Service Engines****Oracle Cloud Infrastructure****Tenant-Scoped Clouds****Enabling Traffic on VIP****Recommended Resources****Sizing Service Engines****SSL Performance****BGP Support****TSO, GRO, RSS, and Blacklist Features****Integration with Cisco CloudCenter****MAC Masquerade****VS Placement**[Installing Avi Vantage for a Linux Server Cloud](#)[Ecosystem Support](#)[Performing Server Maintenance on a Bare-Metal Host](#)[VLAN Configuration on Bare Metal](#)[Public Key Management on SE Hosts](#)[Commands Requiring `sudo` Permission in a Bare-Metal Environm](#)[VRF Support for SE Deployment on Bare-Metal Servers](#)[Port Channeling on Linux Server Hosts](#)[Docker Installation](#)[Configuring Avi Vantage For Application Delivery in Linux Serve](#)[Linux Cloud Configuration Using the Avi CLI](#)[Adding Avi Service Engines to a Linux Server Cloud](#)[Configuring In-Band Management for an Avi Service Engine](#)[AWS Linux Cloud with No-Access Mode](#)[IPAM Provider](#)[Adding Avi Service Engines to a Linux Server Cloud](#)[Oracle Cloud Infrastructure IPAM Support on Avi Vantage](#)[Tenant-Scoped Clouds](#)[Enabling Traffic on VIP](#)[Sizing Service Engines](#)[SSL Performance](#)[BGP Support for Scaling Virtual Services](#)[TSO, GRO, RSS, and Blacklist Feature on Avi Vantage](#)[Avi Vantage Integration with Cisco CloudCenter](#)[MAC Masquerade](#)[Virtual Service Placement Settings](#)