



# Cisco ACI Support in Avi Vantage

Avi Technical Reference (v18.1)

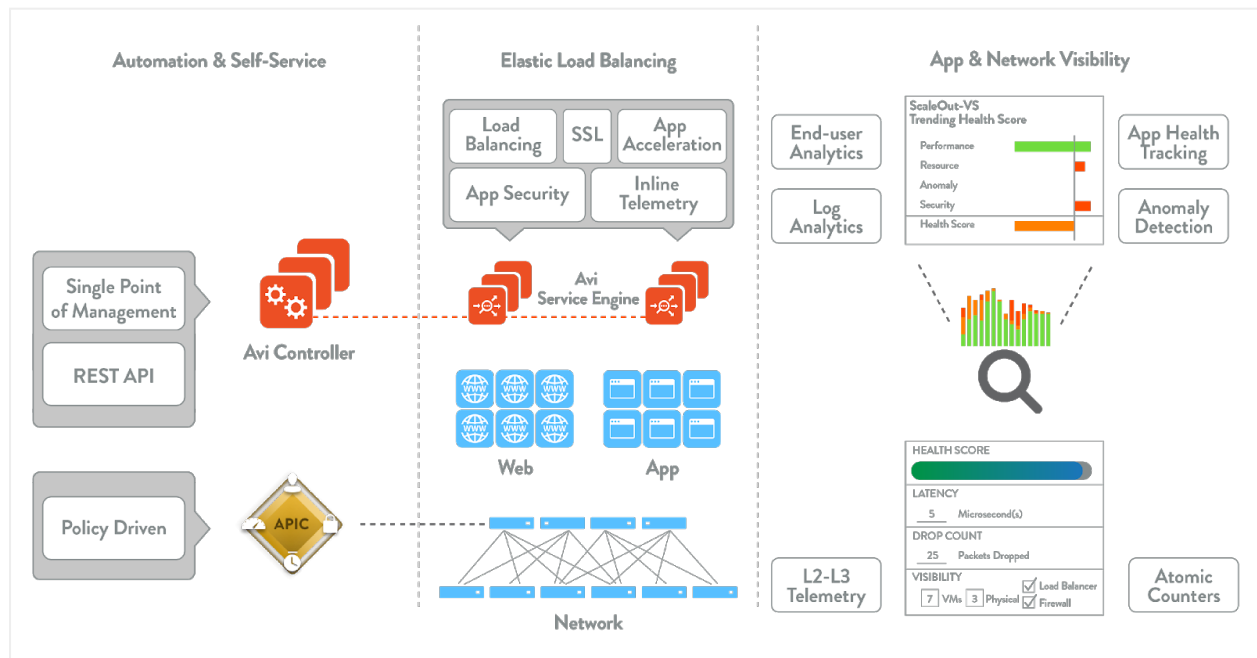
Copyright © 2020

# Cisco ACI Support in Avi Vantage

[view online](#)

## Overview

Avi Vantage supports deploying within Cisco Application Centric Infrastructure (ACI). Avi Vantage's Controller-led architecture de-couples the control plane and the data plane. This architecture makes it possible for the Controller to automate the L4-L7 services, whereas ACI provides L2-L3 network connectivity and policy enforcement for the Service Engines.



Avi Vantage deployment within Cisco ACI offers the following advantages:

- \* Load balancer (Service Engine) monitoring and application server health.
- \* Clear isolation of user roles between the network administrator and load balancer administrator.
- \* Real-time application analytics.
- \* Application protection from L4-L7 attacks.
- \* Load balancer auto scaling based on real-time performance metrics (CPU, memory, bandwidth, connections, latency)

The following table provides a comprehensive list of links to documentation for Cisco ACI integration with Avi Vantage:

### Design References

Complete Design Guide

[Avi Vantage Design Considerations with Cisco ACI](#)

VMware write access cloud

[Cisco ACI Network Policy Mode on Write Access VMware Cloud](#)

VMware read/no access cloud

[Cisco ACI Network Policy Mode on Read/No Access VMware Cloud](#)

VMware write access cloud as BGP L3 Out

[Cisco ACI Network Policy Mode on VMware Write Access Cloud as](#)

### Deployment References

Deployment Guide

[Cisco ACI with Avi Vantage Deployment Guide](#)

### Solution References

Installation Guides

[Installing Avi Vantage for Cisco ACI](#)

Troubleshooting Guide

[Troubleshooting Avi Vantage Integration with Cisco ACI](#)

