SD-AVC Overview

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Cisco Software-Defined AVC (SD-AVC) is a component of Cisco Application Visibility and Control (AVC). It functions as a centralized network service, operating with specific participating devices in a network.

As an SDN solution operating network-wide, Cisco SD-AVC complements solutions such as:

- Cisco Intelligent WAN (IWAN)
- Cisco EasyQoS
- Application Assurance

Features and Benefits

Some of the current features and benefits provided by SD-AVC:

- Network-level application recognition consistent across the network
- Improved application recognition in symmetric and asymmetric routing environments
- Improved first packet recognition
- Protocol Pack update at the network level
- Secure browser-based SD-AVC Dashboard over HTTPS for monitoring SD-AVC functionality and statistics, and for configuring Protocol Pack updates network-wide

See: SD-AVC Features and Benefits

No Change to Topology

Deploying SD-AVC within an existing network does not require any changes to the network topology.

New Features and Changes

Table 1: New and Changed Features, SD-AVC Release 2.0.0

Feature	Description
Updated user interface	• Improved interactive display of traffic data • Improved presentation of warnings and errors affecting devices
Improved control of Protocol Pack deployment	• Can update Protocol Packs for individual devices, for segments, or for all devices in the network • Ability to revert to the Protocol Pack built into the Cisco IOS release See: Protocol Packs Page
Improved Microsoft Office 365 traffic classification	MS-Office365 Connector is a component introduced in this release that improves classification for Microsoft Office 365 traffic. The SD-AVC Dashboard displays the status of the component. This feature requires connectivity to a DNS server. By default, SD-AVC uses Cisco OpenDNS servers: 208.67.222.222 and 208.67.220.220
Support for more devices	Support for 4000 network devices operating with SD-AVC