AVC Licensing and Feature Activation

This chapter addresses Cisco AVC feature licensing and includes the following topic(s):

- Overview, page 3-1
- AVC and Cisco Smart Licensing, page 3-1

Overview

Activating full AVC functionality requires feature licensing. License and activation details vary according to the platform and OS.

Table 3-1   Licensing Information

Device	See...
Devices using Cisco IOS XE Gibraltar 16.10.1	AVC and Cisco Smart Licensing, page 3-1
Devices using Cisco IOS XE releases earlier than IOS XE Gibraltar 16.10.1	Legacy: AVC Licensing and Feature Activation, page C-1
Devices using Cisco IOS	Legacy: AVC Licensing and Feature Activation, page C-1

AVC and Cisco Smart Licensing

Beginning with Cisco IOS XE Gibraltar 16.10.1, the feature licensing model for Cisco routers moved to Cisco Smart Software Licensing (SL). For information about activating Cisco Smart Software Licensing, see Cisco Smart Licensing Client.

Smart Software Licensing offers a simple, flexible approach to feature licensing. The following table summarizes the typical license requirements for Cisco AVC functionality, before and after the IOS XE Gibraltar 16.10.1 release.

Table 3-2   Before and After Smart Software Licensing

	Required OS Image	Image License	Required Feature License
Before Smart Software Licensing (pre-16.10.1)	Universal	Standard/Base, Advanced (AIS/AES), Premium	Application Experience (AppX)
Smart Software Licensing (16.10.1 and later)	Universal	Standard/Base	Not Recommended. No support for advanced NBAR or AVC features, or for Cisco SD-AVC.
	Universal	Advanced (AIS/AES), Premium	Smart Software Licensing Supports advanced NBAR and AVC features, and supports Cisco SD-AVC.

Upgrading to Cisco IOS XE Gibraltar 16.10.1 or Later

If you are planning to upgrade a device that operates with AVC, from a pre- Cisco IOS XE 16.10.1 release to 16.10.1 or later, check the table above for license requirements. Obtain the required licenses to support AVC functionality.

Note   Because of the specific license requirements for devices using IOS XE Gibraltar 16.10.1, upgrading to 16.10.1 or later without the correct license can cause problems with AVC functionality.

Licensing Requirements for Cisco SD-AVC

Cisco SD-AVC system requirements are different for:

- The device hosting the SD-AVC network service component
- The SD-AVC agent components operating on devices in the network

For devices operating with IOS XE Gibraltar 16.10.1 or later, the following table shows license requirements for SD-AVC components,

Table 3-3   SD-AVC License Requirements, IOS XE 16.10.1 or Later

Device	Image License	Feature License
Device hosting the SD-AVC network service	No license requirements	No license requirements
Network devices running the SD-AVC agent	Advanced (AIS/AES) or Premium	Smart Software Licensing