



## Licensing Terminology

This chapter contains the following sections:

- [Licensing Terminology, page 1](#)

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The following table describes the terminology used in Cisco VSG and Cisco Nexus 1000V licensing.

**Table 1: Licensing Terminology**

<b>Term</b>	<b>Definition</b>
Evaluation license	A temporary license. Evaluation licenses are valid for a specified number of days and are tied to a host ID (device serial number).
Host ID	A unique chassis serial number that is specific to each device.
Incremental license	A license for additional CPU sockets that were not included in the initial license file. License keys are incremental-if you purchase some CPU sockets now and others later, the license file and the software detect the sum of all sockets for the specified device.
License enforcement	A mechanism that prevents a feature from being used without first obtaining a license.
License key file	A file that specifies the total licensed CPU sockets for your system. Each file is uniquely named and is specific to a VSM. The file contains digital signatures to prevent tampering and modification. License keys are required to use the product and are enforced within a specified time span.

Term	Definition
Licensed application	A software application or component that requires a license to be used.
Licensed feature	Permission to use a particular feature through a license file, a hardware object, or a legal contract. This permission is limited to the number of users, number of instances, time span, and the implemented device.
Missing license	If the bootflash has been corrupted or a supervisor module replaced after you have installed a license, that license shows as "missing." The product still works. You should reinstall the license as soon as possible.
Node locked license	A license that can be used only on a particular device using the unique host ID for the device.
Permanent license	A license that is not time bound is called a permanent license.
Product Authorization Key (PAK)	A unique code, provided in the software license claim certificate, which allows you to obtain a license key. You use this key to register for your license. After you register, your license key file and installation instructions are sent to you in an e-mail.
Rehosting	The process of changing a license to reflect a different device serial number, or host ID. A host ID is unique to each device, for example VSM.
Software license claim certificate	A document entitling its rightful owner to use licensed features on one device as described in that document. This document provides the product authorization key (PAK).
Support	If you purchased Cisco support through a Cisco reseller, contact the reseller directly. If you purchased support directly from Cisco, contact <a href="#">Cisco Technical Support</a>
Stacking	The process of adding multiple license files on a single VSM.

Term	Definition
Volatile licenses	<p>A feature that automatically captures unused licenses when a VEM is taken out of service and adds them to the VSM license pool so that they can be reused by another VEM.</p> <p>In contrast, if its licenses are nonvolatile, then the VEM does not release them during a loss in network connectivity with the VSM. When connectivity is returned, the VEM can resume normal activity without further interruption.</p> <p>Volatile licenses are disabled by default. That is, the licenses in VEMs are nonvolatile and are not released when a VEM is removed from service.</p>

