# Hillstone License Management System (LMS)

Hillstone License Management System (LMS) is a dedicated license management solution for virtual network function deployment such as Hillstone CloudEdge, virtual ADC, virtual WAF, and virtual BDS .

The LMS solution breaks the limitation of existing appliance-based license management solutions and provides cloud service providers (CSPs) a more flexible, efficient and automatic solution to centrally manage license for the virtual appliances deployed inside their cloud, no matter the deployment scenario or environment.

The Hillstone LMS solution offers two options for different customers and scenarios: the public network internet authorization solution, and the private network local authorization solution.
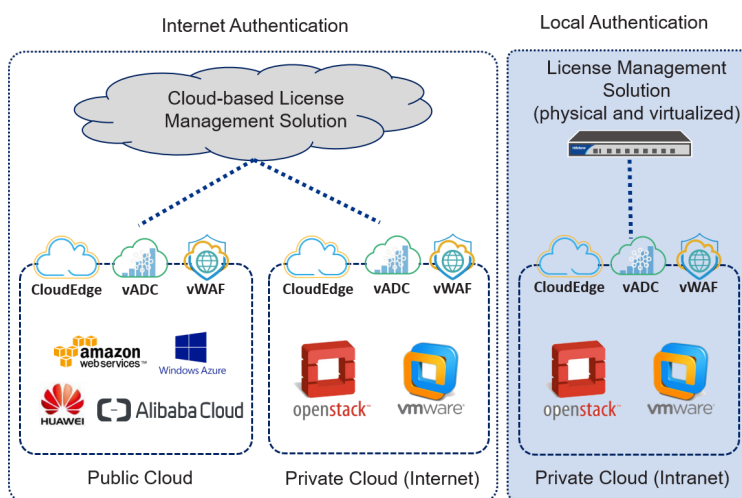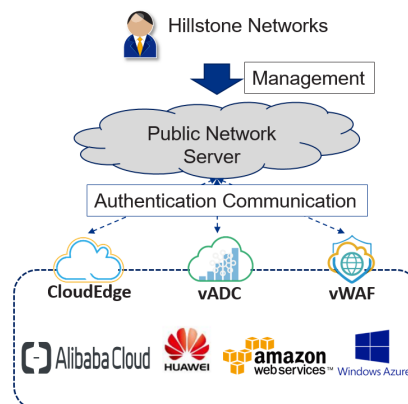

Public Network License Management Solution

For public or private cloud customers who have public network access, the internet-based license management solution is an ideal option. By uploading the license through the license management interface, the customer is instantly authorized from the Hillstone License Authentication Server and given a valid license.

**Core Features and Advantages of the Public Network LMS Solution**

• No management devices or initial configuration needed
• Instant authentication and authorization
• License is independent of the VNF
• Supports VNF reinstallation and migration

Private Network License Management Solution

For private cloud customers who have no public network access, or have large scale deployments and need a dedicated license management solution, Hillstone provides both physical and virtual LMS solution which offers more comprehensive license management functions, including license distribution, recycle and management, among others.
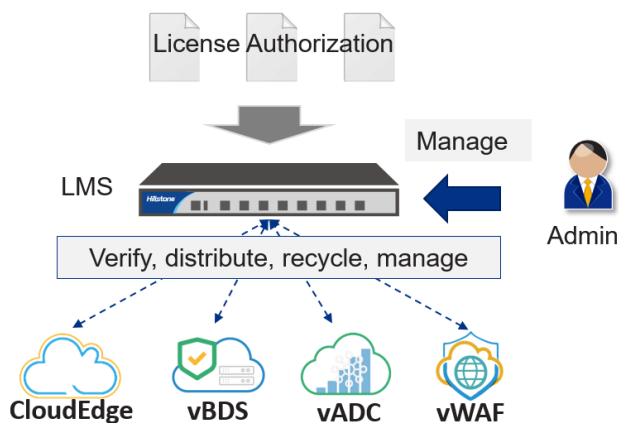
Core Features of the Local LMS Solution

- **System Monitoring:** LMS has an independent web management interface, which can monitor the virtual appliance and license information, including device number statistics, license details, license service and device status, among others.

- **License Management:** LMS can configure license authorization policy globally. It can automatically distribute licenses to virtual appliances, and recycle the license and distribute to other active virtual appliances if a virtual device is shutdown or deleted, achieving dynamic license allocation. Hillstone LMS also provide pay-as-you-go licensing which enable flexible billing model and life-cycle management of VNFs.

- **Signature Update:** Each virtual instance has multiple security features that need regular signature updates to ensure consistent and effective operations. For instances deployed on the intranet without internet access, Hillstone LMS acts as the signature update server, updating signatures for each instance.

- **Log and Statistic:** LMS records abundant log data, providing sufficient information for network administrators. Log data accelerates troubleshooting times and can be fed into third party systems. LMS also provides license usage stats over a period, which is convenient for pricing and payment based on usages.

- **Rest API:** Hillstone LMS supports REST APIs, which integrate with third party Cloud Service Providers (CSPs). The CSPs can leverage Hillstone LMS to oversee the lifecycle management of VNF modules (Hillstone CloudEdge/vADC/vWAF/vBDS) in order to improve resource efficiency and reduce overhead.

Advantages of Local LMS Solution

- **Quick Delivery and Instant Authentication:** The customer can get the license file from the Hillstone team quickly, and it takes only seconds for the customer to import and activate the license through LMS.

- **Flexible License Distribution and Authorization:** The customer can distribute the license based on the user's schedules and usages; the license can be activated anytime with the network connection between the LMS and the virtual appliance.

- **Ease of Use and Configuration:** Dedicated web management interface enables customers to manage and configure licenses easily. The license can be activated when the virtual appliance is started, rebooted or migrated automatically, without the need for any configuration or administrative intervention.

Specifications

	LMS-30
Devices Support	1-1000
Networks Interfaces	4 GE
Dimensions (W x D x H, mm)	1U (430 X 300 X 44)
Power Supply	Single AC, 100-240 V, 50/60 Hz

	vLMS
Devices Support	1-1000
vCPU	2 cores
Memory	4 GB
Recommended Disk	40 GB
Supported Hypervisor	KVM, VMware vSphere
Supported Cloud Platform	OpenStack, VMware (vCenter 6.5 and 7.0), Huawei Cloud, Alibaba Cloud

Order Information

SKU	Product Model	SKU Description
SG-6000-LMS-30-IN12	LMS-30 Base System	Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform with 1-year
SG-6000-LMS-30-IN24	LMS-30 Base System	Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform with 2-year
SG-6000-LMS-30-IN36	LMS-30 Base System	Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform with 3-year
SG-6000-LMS-30-SP-IN12	LMS-30 Base System Maintenance Service	Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform 1-year maintenance service
SG-6000-LMS-30B-IN12	LMS-30 Backup Base System	Backup Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform with 1-year service
SG-6000-LMS-30B-IN24	LMS-30 Backup Base System	Backup Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform with 2-year service
SG-6000-LMS-30B-IN36	LMS-30 Backup Base System	Backup Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform with 3-year service
SG-6000-LMS-30B-SP-IN12	LMS-30 Backup Base System Maintenance Service	Backup Virtual security product (CloudEdge/vADC/vWAF/vBDS) Private Cloud License Management Platform 1-year
SG-6000-LMS-UID-IN	LMS-UID	Virtual security products private cloud authorization-user ID
SG-6000-vLMS-IN12	vLMS	Virtual License Management Platform with 1-year service
SG-6000-vLMS-IN24	vLMS	Virtual License Management Platform with 2-year service
SG-6000-vLMS-IN36	vLMS	Virtual License Management Platform with 3-year service
SG-6000-vLMS-SP-IN12	vLMS	Virtual License Management Platform 1-year maintenance service
SG-6000-vLMS-B-IN12	vLMS	Backup Virtual License Management Platform with 1-year service
SG-6000-vLMS-B-IN24	vLMS	Backup Virtual License Management Platform with 2-year service
SG-6000-vLMS-B-IN36	vLMS	Backup Virtual License Management Platform with 3-year service
SG-6000-vLMS-B-SP-IN12	vLMS	Backup Virtual License Management Platform 1-year maintenance service
SG-6000-LMS-PAYG-IN	LMS Credit Mode License	License Management Platform credit mode license
SG-6000-LMS-vFW-PAYG-500K-IN12	LMS Credit Mode License	LMS credit mode license 500K credit for vFW, can be used for about 10 VM01 or 4 VM02 or 2 VM04 or 1 VM08, with 1-year service
SG-6000-LMS-vADC-PAYG-500K-IN12	LMS Credit Mode License	LMS credit mode license 500K credit for vADC, can be used for about 2 AX02 or 2 AX04 or 1 AX08 or 1 AX12, with 1-year service
SG-6000-LMS-vADC-PAYG-060-IN	LMS Credit Mode License	1 AX (GSLB, QoS), use with License Management Platform credit mode license, 5-year serivce
SG-6000-LMS-vFW-PAYG-060-IN	LMS Credit Mode License	1 VM (IPS, AV, URL, QoS), use with License Management Platform credit mode license, 5-year serivce
SG-6000-LMS-vFW-PLUS-PAYG-060-IN	LMS Credit Mode License	1 VM (IPS, AV, URL, QoS, Cloud-sandbox, IP Reputation, and Botnet C&C Prevention), use with License Management Platform credit mode license, 5-year serivce

NOTES:

Please contact your Hillstone sales representatives for more ordering information.