

Cisco ISE Licenses:

The Cisco ISE can be deployed on both physical Cisco's SNS Server and virtual environments like VMware, KVM and Hyper-V. Cisco ISE architecture supports both standalone and distributed also known as high-availability or Redundant deployments where one machine assumes the primary role and another backup machine assumes the secondary role. The Cisco Secure Network Server is based on the Cisco UCS C220 Rack Server and is configured specifically to support the Cisco Identity Services Engine (ISE) security application.

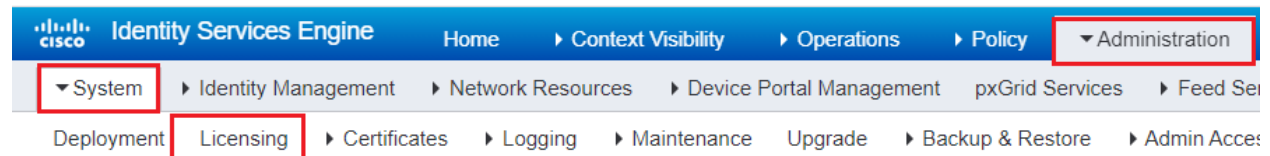


Smart Licensing:

Monitor ISE software licenses and endpoint license consumption easily and efficiently with a single token registration. The licenses that you have purchased are maintained in a centralized database called the Cisco Smart Software Manager (CSSM). Smart Licensing is where you manage a Cisco account that contains all the information about the license you purchased for deployment. Smart licensing is where you manage a cisco account that holds all the information on the license purchased for your deployment.

Traditional Licensing:

Purchase and import individual licenses based on your needs and manage the application features and access, such as the number of concurrent endpoints that can use Cisco ISE network resources. Traditional Licenses involves the user importing a license into the device. Licenses are counted as simultaneous active sessions. An active session is one for which a RADIUS count start has been received, but a RADIUS count stop has not yet been received. Traditional licensing is where you import a license onto the appliance



Licensing Method ⓘ

✓ Traditional Licensing is currently in use. ←

Click below to switch to Cisco Smart Licensing ⓘ ←

▶ Cisco Smart Licensing ←

ISE licenses can generally be broken down into two high level ISE node licenses and ISE endpoints licenses. Node licenses have their quantity determined based on the number of ISE servers/nodes, while the license type endpoint licenses have their quantity determined based on the number of endpoints (concurrently) connecting to your ISE controlled access networks.

License Warning

Please contact your Cisco Sales Representative.

Base License Expiring

Base License is expiring in 89 days.

Plus License Expiring

Plus License is expiring in 89 days.

Apex License Expiring

Apex License is expiring in 89 days.

Device Admin License Expiring

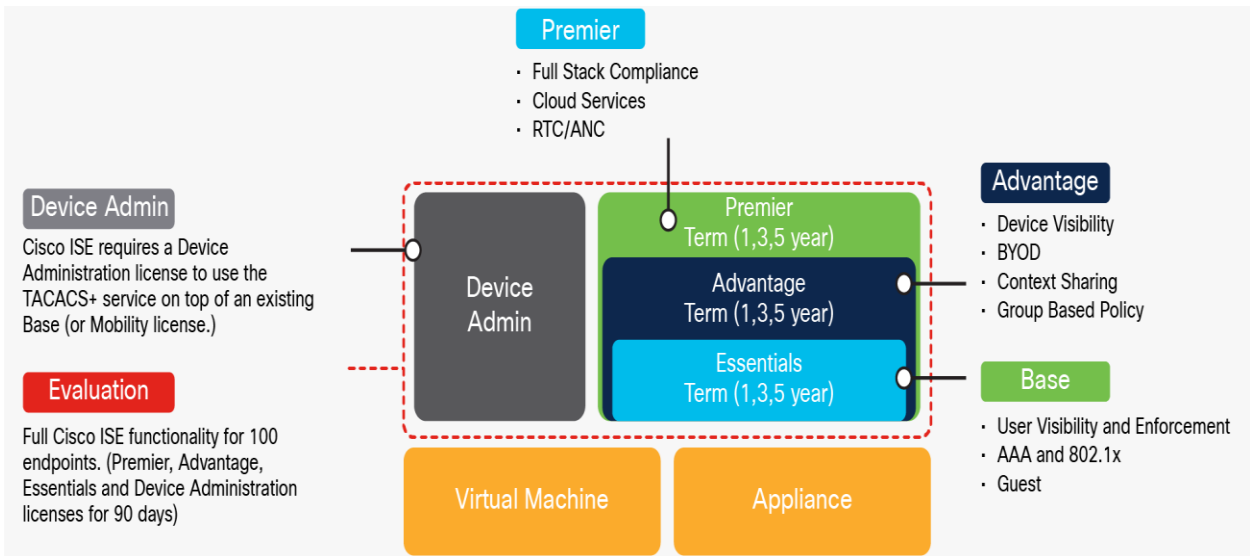
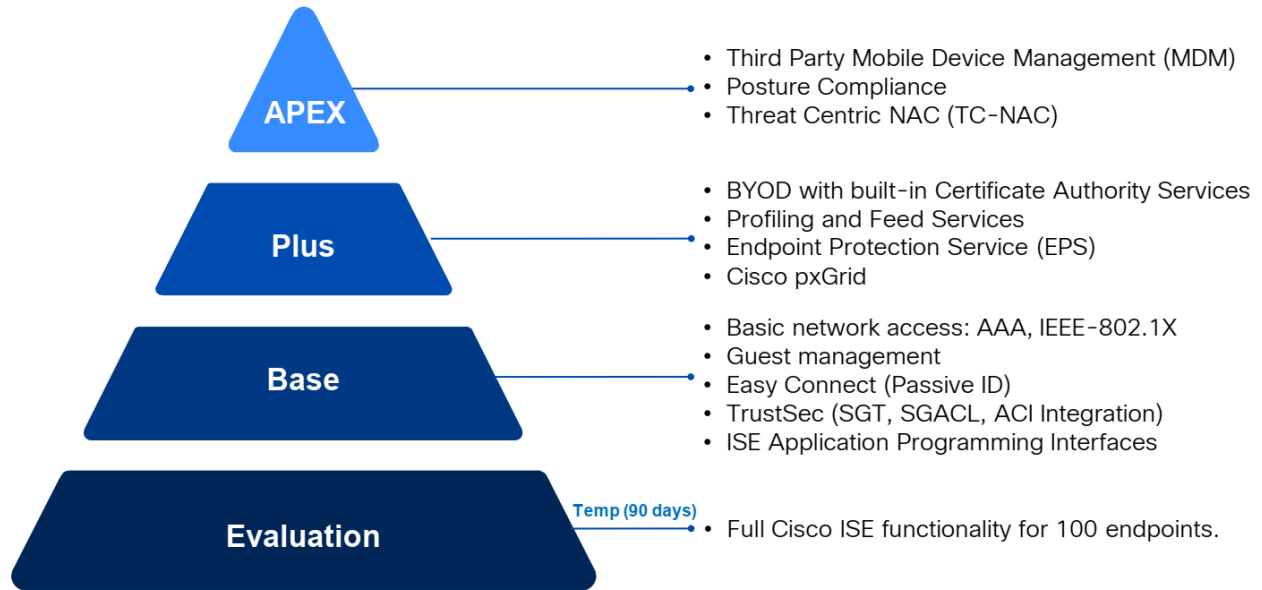
Device Admin License is expiring in 89 days.

VM License over usage

Fewer VM licenses installed than VM resources/VM nodes deployed.

The appliance license only applies if you are deployment Cisco ISE on virtual machines. If you have purchased the Cisco Secure Network Server hardware ISE appliance, you can omit this license type as it is not needed. This license comes in three size flavors; small (12CPU + 16GB RAM), medium (16CPU + 64GB RAM), or large (16CPU + 256GB RAM).

Packages	Perpetual/Subscription	ISE Functionality Covered
Base	Perpetual	Basic network access: AAA, IEEE-802.1X Guest management Link encryption (MACSec) TrustSec ISE Application Programming Interfaces
Plus	Subscription (1, 3, or 5 years)	Bring Your Own Device (BYOD). Profiling and Feed Services Endpoint Protection Service (EPS) Cisco pxGrid MSE integration for location services
Apex	Subscription (1, 3, or 5 years)	Third Party Mobile Device Management (MDM) Posture Compliance
Mobility	Subscription (1, 3, or 5 years)	Combination of Base, Plus, and Apex for wireless and VPN endpoints
Mobility Upgrade	Subscription (1, 3, or 5 years)	Provides wired support to Mobility license
Device Administration	Perpetual	TACACS+
Evaluation	Temporary (90 days)	Full Cisco ISE functionality is provided for 100 endpoints.



Base	Plus	Apex	Device Admin	VM
AAA	Profiling	Posture	TACACS+	Per Node*
TrustSec	BYOD w/ Cert	MDM	Per Node*	
802.1x	pxGrid	TC-NAC		
Guest Services	ANC	AnyConnect		
	MSE			

License Activation:

Licenses are uploaded to the Primary Policy Administration Node and propagated to the other Cisco ISE nodes in the cluster. Licenses are centrally managed by the Administration node; the other nodes do not require separate licenses. If you have two Administration nodes deployed in a high-availability pair, you must ensure that each of them have the same license capabilities. Generate license with both the UDIs of the Primary and the Secondary Policy Administration Nodes and then add the license to the Primary Policy Administration Node. The PAN then centrally manages all the licenses that are registered for your deployment. When a node is deregistered from the PAN, it becomes a standalone node and its license is reset to Evaluation.

From the Cisco ISE Administration portal, choose **Administration > System > Licensing**. Make a note of the node information in the Licensing Details section: **Product Identifier (PID)**, **Version Identifier (VID)**, and **Serial Number (SN)**.

UDI Details

Product Identifier (PID)	ISE-VM-K9
Version Identifier (VID)	V01
Serial Number (SN)	EE5J572ODNG

UDI Details

Product Identifier (PID)	ISE-VM-K9
Version Identifier (VID)	V01
Serial Number (SN)	56CLPCHHGHF

Go to www.cisco.com/go/licensing, and where prompted, enter the PAK of the license you received, the node information, and some details about your company. After one day, Cisco sends you the license file. Save this license file to a known location on your system.

Tools & Resources

Product License Registration

Feedback Help Settings

Show : All Licenses for Ahmad Ali

PAKs or Tokens Licenses Devices Transactions History

Guide Me >

Get Licenses	Move Licenses	Download Licenses	Email Selected Licenses	Export to CSV	Show Filter
License	Type	Device	Quantity		
<input type="checkbox"/> SKU:ISE-BSE-90-DAY-100-ENDPTS	<input type="radio"/> Demo 07/17/2021 - 10/15/2021	<div>Primary Product ID: ISE-VM-K9 Primary Version ID: V01 Primary Serial Number: 56CLPCHHGHF Family: Identity Services Engine</div>	1		

From the Cisco ISE Administration portal, choose **Administration > System > Licensing**. In the License Files section, click the **Import License** button.

Licenses ⓘ *How do I register, modify or lookup my licenses?*

Import License **Delete License**

	License File	Quantity	Term
▼ <input type="checkbox"/>	EVALUATION.lic		
	Base	100	90 days
	Plus	100	90 days
	Apex	100	90 days
	Device Admin	1	90 days

Click **Choose File** and select the license file you previously stored on your system. Click **Import**.

← → ↻ ⚠ Not secure | 192.168.100.220/admin/#administration/administration_system/administration_s

Identity Services Engine Home ▶ Context Visibility ▶ Operations ▶ Policy **Administration**

▼ **System** ▶ Identity Management ▶ Network Resources ▶ Device Portal Management ▶ pxGrid Services ▶ Feed Services

Deployment **Licensing** ▶ Certificates ▶ Logging ▶ Maintenance ▶ Upgrade ▶ Backup & Restore ▶ Admin Access

Current Licenses > **Import License**
Import new License File

* License File **Choose File** POSITRON...50900023.lic

Import **Cancel**

The **base** license has been imported successfully same way other license can be imported.

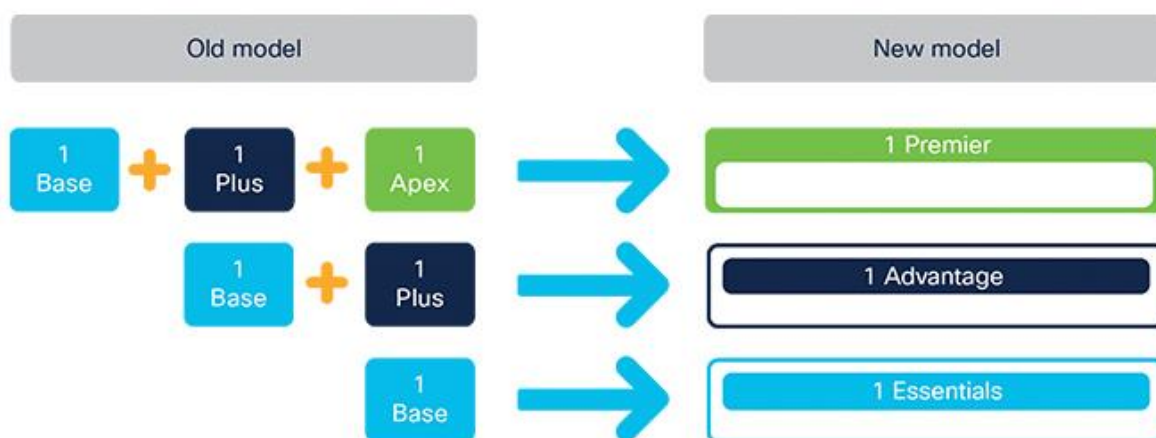
Licenses ⓘ *How do I register, modify or lookup my licenses?*

Import License **Delete License**

	License File	Quantity	Term	Expiration Date
▼ <input checked="" type="checkbox"/>	POSITRONFEAT20210717050900023.lic			
	Base	100	Term	15-Oct-2021 (90 days remaining)

Cisco ISE V3 License:

Starting with the ISE 3.0 release, ISE Licenses Are Smart Licenses only. If you're on any prior release, the licenses can be used as either traditional Product Authorization Key based or as Smart Licenses. In the former case, the license file is imported into the deployment. About Cisco ISE license changes, when converting existing licenses to the new scheme, the licenses will be migrated using the following rules. While functionality will be retained across licenses, notice that the license count might be different to what the Base/Plus/Apex license count is, and that all licenses will have an expiry date:



Licenses ⓘ How do I register, modify or lookup my License Entitlements?

✓ Enable ✗ Disable ↻ Refresh

	License	Status	Compliance	Consumption Count*
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▼ Tier

<input type="checkbox"/>	Essential	Enabled	Evaluation	0
<input type="checkbox"/>	Advantage	Enabled	Evaluation	0
<input type="checkbox"/>	Premier	Enabled	Evaluation	0
<input type="checkbox"/>	Device Admin	Enabled	Evaluation	0

Cisco Identity Services Engine

Understanding the Licensing Changes



ISE Licenses are a la carte. Each license is needed for the feature(s) it enables.

- Apex licenses do NOT include Base or Plus licenses or functionality
- Plus licenses do NOT include Base licenses or functionality

Base L-ISE-BSE-PLIC=	Plus L-ISE-PLS-LIC=	Apex L-ISE-APX-LIC=	Device Admin L-ISE-TACACS-ND=	VM Licenses
<ul style="list-style-type: none"> • AAA • RADIUS/802.1x • EasyConnect • Cisco TrustSec • Multiple APIs (ERS) • Guest services 	<ul style="list-style-type: none"> • Device profiling and feed service • BYOD with certificate authority • Cisco pxGrid identity and context sharing • Adaptive Network Control • MSE Integration 	<ul style="list-style-type: none"> • Endpoint Posture compliance and remediation • MDM/EMM Integration • Threat Centric NAC (TC-NAC) • + AnyConnect Apex • ISE Posture Module 	<ul style="list-style-type: none"> • TACACS+ • Only Available in ISE 2.0 and above • Prior to 2.4, a single license is needed for the entire deployment • Starting in 2.4, a separate license is needed for every Device Admin Node 	<ul style="list-style-type: none"> • Starting in 2.4, VMs will no longer be Right-to-Use • Key-based license based upon Virtual Resources allocated to the virtual appliance • Small, Medium, and Large VM Sizes, each with a different SKU <ul style="list-style-type: none"> • R-ISE-VMS-K9= • R-ISE-VMM-K9= • R-ISE-VML-K9=
<ul style="list-style-type: none"> • Perpetual (Permanent) License 	<ul style="list-style-type: none"> • Subscription (1,3,5 years)* 	<ul style="list-style-type: none"> • Subscription (1,3,5 years)* 	<ul style="list-style-type: none"> • Perpetual (Permanent) License • NOT based on device count 	<ul style="list-style-type: none"> • Perpetual (Permanent) License

Included with
DNA Premier

*Subscription Licenses

- Active Subscription Licenses allow for:
- Software Support through TAC
 - Software Upgrades



Cisco Identity Services Engine 3.0

Understanding the Licensing Changes



ISE Licenses are now a "Nested Doll" model.

- Advantage licenses DO include Essentials functionality
- Premier licenses DO include Essentials AND Advantage functionality

As of ISE 3.0, ISE Essentials, Advantage, and Premier Licenses are SMART LICENSES ONLY
There are no Traditional Licenses moving forward

Essentials ISE-E-LIC	Advantage ISE-A-LIC	Premier ISE-P-LIC	Device Admin L-ISE-TACACS-ND=	VM Licenses
<ul style="list-style-type: none"> • AAA • RADIUS/802.1x • EasyConnect • Multiple APIs (ERS) • Guest services 	<ul style="list-style-type: none"> • Device profiling + feed service • BYOD with certificate authority • Cisco pxGrid identity and context sharing • Group based Policy (TrustSec) • Location Visibility and Enforcement • Endpoint Analytics(EA)Visibility 	<ul style="list-style-type: none"> • Endpoint Posture compliance and remediation • MDM/EMM Integration • Threat Centric NAC (TC-NAC) • Rapid Threat Containment (RTC) (Adaptive Network Control) • EA Enforcement • CLOUD • User Defined Network 	<ul style="list-style-type: none"> • TACACS+ • Only Available in ISE 2.0 and above • Prior to 2.4, a single license is needed for the entire deployment • Starting in 2.4, a separate license is needed for every Device Admin Node 	<ul style="list-style-type: none"> • Starting in 2.4, VMs will no longer be Right-to-Use • Key-based license based upon Virtual Resources allocated to the virtual appliance • Small, Medium, and Large VM Sizes, each with a different SKU <ul style="list-style-type: none"> • R-ISE-VMS-K9= • R-ISE-VMM-K9= • R-ISE-VML-K9=
<ul style="list-style-type: none"> • Subscription (1,3,5 years)* 	<ul style="list-style-type: none"> • Subscription (1,3,5 years)* 	<ul style="list-style-type: none"> • Subscription (1,3,5 years)* 	<ul style="list-style-type: none"> • Perpetual (Permanent) License • NOT based on device count 	<ul style="list-style-type: none"> • Perpetual (Permanent) License

Included with
DNA Premier

Any ISE Base Licenses upgraded to ISE Essentials
will expire on **October 31, 2023**

*Subscription Licenses

- Active Subscription Licenses allow for:
- Software Support through TAC
 - Software Upgrades

To use Cisco AnyConnect as the agent for Endpoint Posture, the following license and module is needed
+ AnyConnect Apex License
• ISE Posture Module



Base Licenses:

In Identity Services Engine deployment without base licenses is like a car without wheels. In Cisco Identity Services Engine (ISE) Base Licenses are mandatory and Compulsory. You need one of these for every endpoint that is connected to your network regardless of how it's accessing your network. Endpoint only uses base-only license if they are connecting using EasyConnect, 802.1x, BYOD without ISE CA, and Guest Access. Again, these are concurrently connected and these licenses are perpetual means they don't expire. These are the list of all most notable functionality, while using base licenses. [Wired, Wireless, VPN Access Control, Basic RADIUS Authentication/Authorization \(802.1X and MAC Authentication Bypass\), Web Authentication \(e.g. for guests\), Guest Portal and Sponsor Services, Security/Scalable Group Tagging and PassiveID.](#)

Plus Licenses:

ISE Plus licenses can be looked at as building on top of the functionality provided by base licenses in that plus licenses do NOT include the functionality provided by base licenses. Plus, licensing uses a subscription model because it is providing a feature-set device profiling, BYOD, etc tied to an ever changing landscape. To combat ever-changing landscape, Cisco maintains a profiler feed service that your ISE deployment will use to stay up-to-date. List of the most notable functionality you are entitled to when using Plus licenses. [Device Profiling, Access to the Profiler Feed Service from Cisco, Device Registration and On-Boarding \(BYOD\), pxGrid Context Sharing, Location-based Access Control integration with Cisco CMX or MSE, Rapid Threat Containment and PassiveID for non-Cisco switches.](#)

Apex Licenses:

ISE Apex licenses can be looked at as building on top of the functionality provided by base licenses in the same way that plus licenses do. Apex licenses do NOT include any functionality provided by base or plus license types. Like Plus licenses, Apex licensing uses a subscription model. This license is consumed when you use posturing, MDM integration, or mitigate with Threat-Centric NAC. List of the most notable functionality you are entitled to when using Apex licenses. [Device Posturing, Mobile Device Management \(MDM\) Integration \(compliance checks on mobile devices\) and Rapid Threat Containment.](#)

Device Admin:

This is a perpetual license. Think of this as your TACACS+ features from ACS on ISE. One thing to note is this: It's a single license per ISE cube, not a license per managed network device and it's not tied to any other licenses. The only exception where you have to buy an additional license is if you are purchasing ISE for nothing but device administration. If you do need to purchase at least 100 Base licenses but that's only because ISE needs at least 100 Base licenses to run - it's not tied to the managed network device count.