

了解ISE中的终端安全评估租用

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简介

本文档介绍在Cisco ISE中配置和使用状态租用。

先决条件

要求

- 思科ISE中的状态流量知识
- 思科ISE中的AAA策略知识

使用的组件

本文档中的信息基于以下软件和硬件版本：

- Cat9300交换机版本17.9.5
- 身份服务引擎(ISE)v3.2
- 带ISE终端安全评估模块5.1.6的PC Windows 10企业版

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

背景信息

安全评估租赁是思科ISE的一项功能，它存储数据库内最长365天的最新已知合规状态，并且不会联系终端检查合规性。但是，当安全评估租赁到期时，思科ISE不会自动触发终端重新身份验证或安全评估重新评估。由于使用的是同一会话，终端将保持相同的合规状态。终端重新身份验证时，运行状态并重置状态租用时间。

终端安全评估租用是存储在Oracle DB中的终端属性，并以EPOCH时间存储时间。也可以通过情景可视性和Oracle DB验证相同内容。

PostureExpiry	1733043766997
PostureOS	Windows 10 Professional 64-bit
PostureStatus	Compliant
PreviousMACAddress	B4:96:91:26:EB:A1

除了安全评估租用，ISE中还有一项功能，用于缓存上次已知的合规状态，该状态可配置时间量(最长200天/4800小时/288000分钟)配置为上次已知安全评估合规状态。此功能允许思科ISE缓存上次合规状态，如果终端在上次已知安全评估合规状态内变为不合规，ISE会将终端标记为合规，直到在安全评估策略中配置的宽限期为止。

Last Known Posture Compliant State值存储在Oracle DB中。它还存储在EPOCH time中。

配置

要在Cisco ISE中配置终端安全评估租用，请执行以下操作：

导航到工作中心>状态>设置>状态租赁。选中执行状态评估每，并配置天数（1-365天）。此处设置为1天。

检查缓存上次已知安全评估合规状态并配置上次已知安全评估合规状态时间(最长200天/4800小时/288000分钟)。此处配置为2天。

Posture Lease

☐ Perform posture assessment every time a user connects to the network

☒ Perform posture assessment every Days ⓘ

☒ Cache Last Known Posture Compliant Status

Last Known Posture Compliant State Days ▼

为简单起见，仅启用了安全评估策略（Windows FW检查），宽限期为2分钟。

Posture Policy

[Guide Me](#)

Define the Posture Policy by configuring rules based on operating system and/or other conditions.

Grace period settings

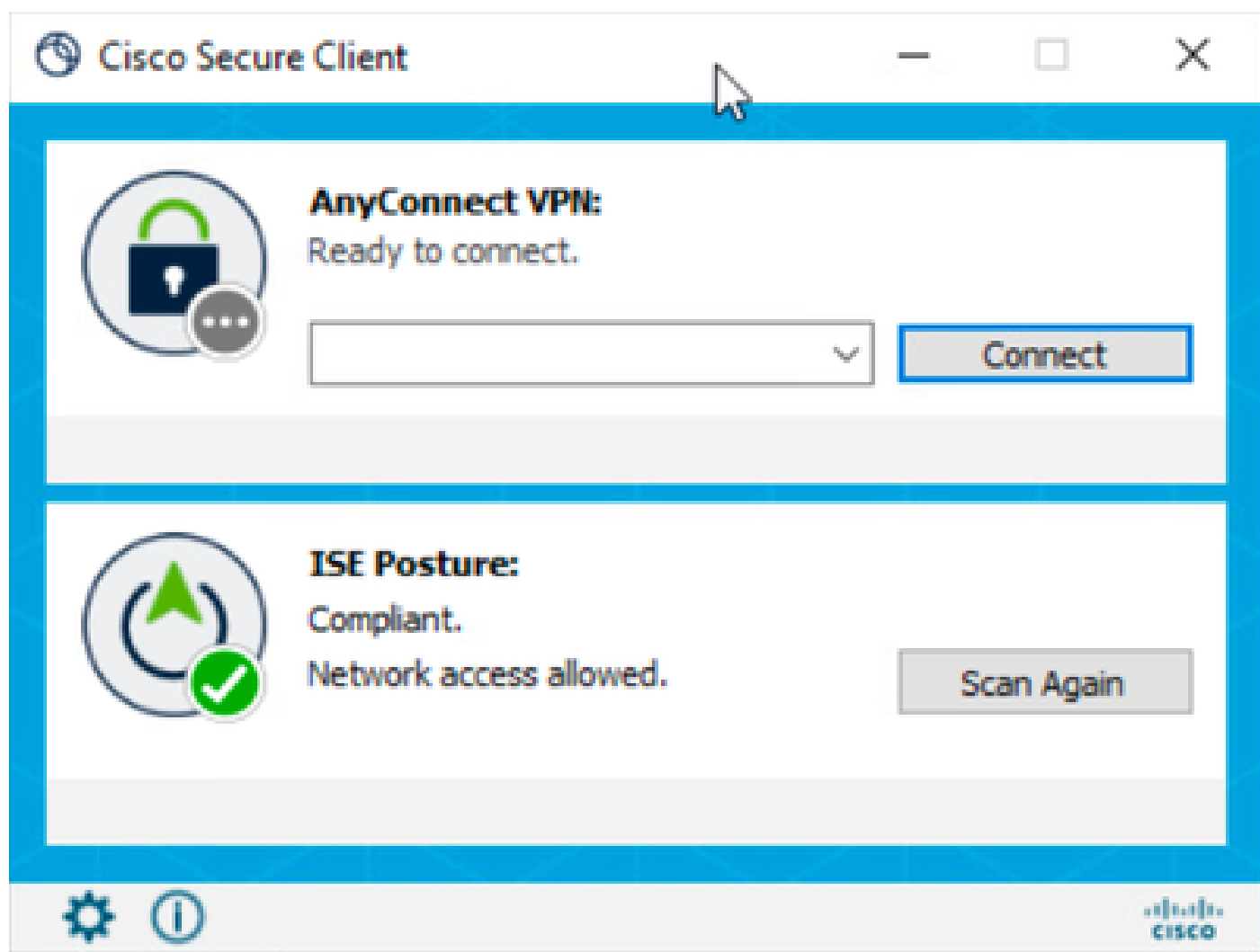
Grace Period for:
2 Minutes

Delay notification by
(0 %) of Grace period.

and	Windows All	and	4.x or later	and	Agent	and	(Optional) Dictio...	then	Default_...	Done
and	Windows All	and	4.x or later	and	Temporal Agent	and		then	Default_Firewall_Requie...	Edit
and	Mac OSX	and	4.x or later	and	Agent	and		then	Default_Hardware_Attrib...	Edit
and	Mac OSX	and	4.x or later	and	Temporal Agent	and		then	Default_Hardware_Attrib...	Edit
and	Windows All	and	4.x or later	and	Agent	and		then	Default_Hardware_Attrib...	Edit

验证

终端首次连接且符合要求。



Nov 30, 2024 10:55:55.910 PM	✓	🔒	B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
Nov 30, 2024 10:55:55.822 PM	✓	🔒	B4:96:91:26:EB:A1		labpsn01		Compliant
Nov 30, 2024 10:55:08.085 PM	✓	🔒	B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS_NON_CO...	Pending

ISE-PSC.log (调试中的终端安全评估)

在ise-psc.log中，您可以看到EP首次连接时，DB中没有到期时间。

```
2024-11-30 22:55:08,485 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-8][[]] cisco.cpm.posture.runtime
2024-11-30 22:55:08,485 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-8][[]] cisco.cpm.posture.runtime
```

EP通过状态检查流程并变为合规。EP合规后，ISE将更新数据库，到期时间为1天(1733073953816)。

```
2024-11-30 22:55:55,306 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime
2024-11-30 22:55:55,307 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime
2024-11-30 22:55:55,307 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime
```

此外，ISE会使用宽限期到期时间1733160354306 (2天) 更新数据库。

```
2024-11-30 22:55:55,306 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.edf.Pos
2024-11-30 22:55:55,306 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime
2024-11-30 22:55:54,306 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime
```

重新连接EP后，会话直接成为Complaint。启用终端安全评估租用时，ISE从数据库检索终端安全评估到期时间并将会话标记为合规。

Nov 30, 2024 11:04:17.689 PM			B4:96:91:26:EB:A1	skzarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
------------------------------	---	---	-------------------	----------------------	----------	---------------------------------	-----------

```
2024-11-30 23:04:17,673 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-11-30 23:04:17,673 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-11-30 23:04:17,677 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-11-30 23:04:17,679 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.runtime.PostureMan
2024-11-30 23:04:17,679 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.runtime.PostureMan
2024-11-30 23:04:17,679 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-11-30 23:04:17,679 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-11-30 23:04:17,680 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.runtime.PosturePol
2024-11-30 23:04:17,680 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
```

情形 1：禁用Posture lease并启用Cache Last Known Posture Compliant Status,Last Known Posture Compliant State为2天。(此情景在终端安全评估租用到期且EP连接之后时也有效。)

Posture Lease

Perform posture assessment every time a user connects to the network

Perform posture assessment every

1

Days

Cache Last Known Posture Compliant Status

Last Known Posture Compliant State

2

Days

在EP身份验证后，由于未启用终端安全评估租用，ISE执行终端安全评估检查。

```
2024-12-01 18:39:50,901 DEBUG [PolicyEngineEvaluationThread-3][[]] cisco.cpm.posture.pip.PostureStatusP
2024-12-01 18:39:50,901 DEBUG [PolicyEngineEvaluationThread-3][[]] cisco.cpm.posture.pip.PostureStatusP
2024-12-01 18:39:50,901 DEBUG [PolicyEngineEvaluationThread-3][[]] cisco.cpm.posture.pip.PostureStatusP
```

EP合规后，ISE会在宽限期到期时间1733231423117（2天）内更新DB。

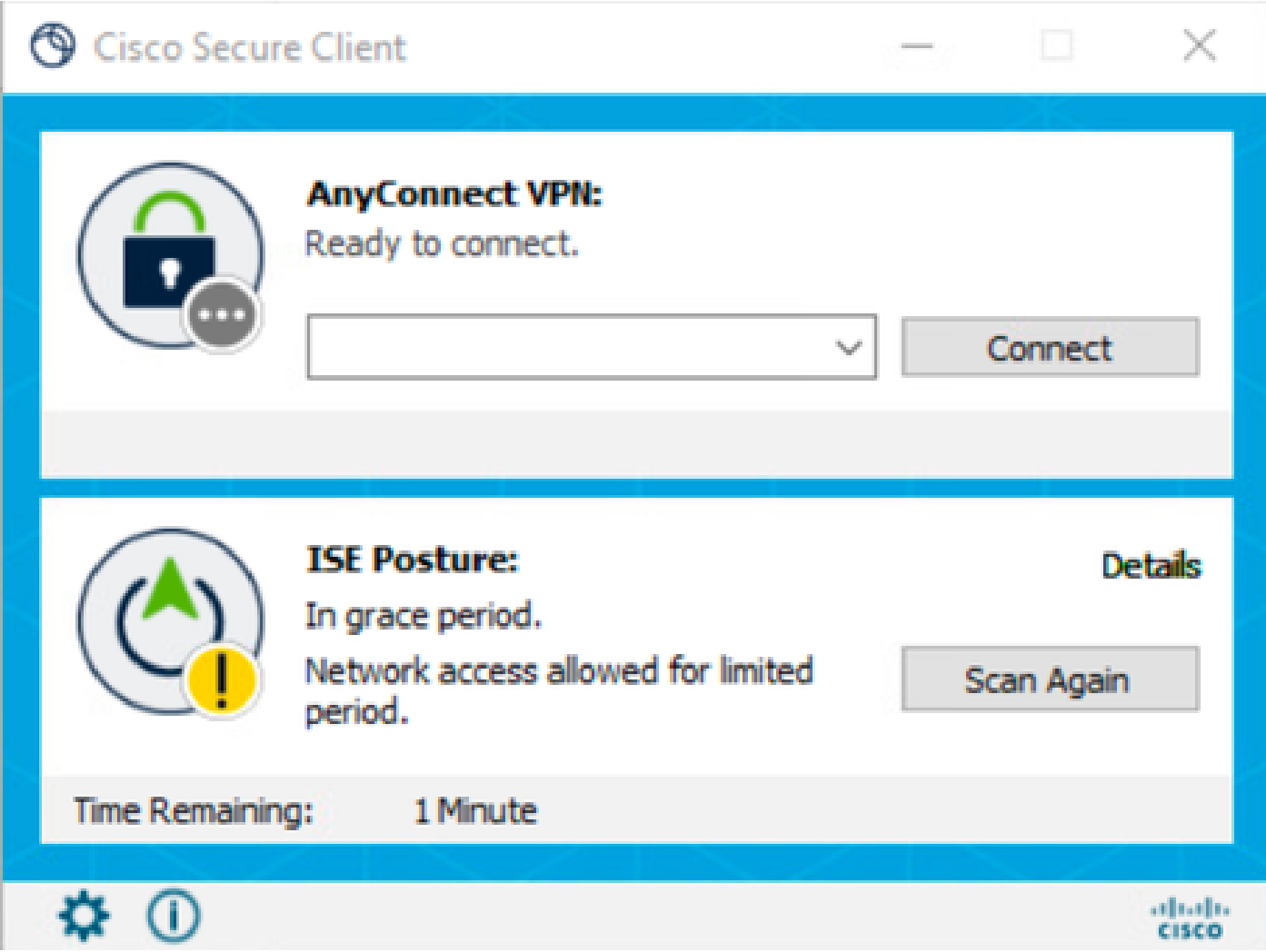
```
2024-12-01 18:40:23,116 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-3][[]] cisco.cpm.posture.edf.Pos
2024-12-01 18:40:23,117 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-3][[]] cisco.cpm.posture.runtime
2024-12-01 18:40:23,117 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-3][[]] cisco.cpm.posture.runtime
2024-12-01 18:40:23,117 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-3][[]] cisco.cpm.posture.edf.Pos
```

Time	Status	Details	Repeat Cou...	Endpoint ID	Identity	Server	Authorization Policy	Posture Status
				Endpoint ID	Identity	Server	Authorization Policy	Posture Status
Dec 01, 2024 06:40:25.217 PM			0	B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 01, 2024 06:40:25.202 PM				B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 01, 2024 06:40:25.126 PM				B4:96:91:26:EB:A1		labpsn01		Compliant
Dec 01, 2024 06:39:50.911 PM				B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS_NON_CO...	Pending

现在，EP变成了非投诉。

与状况策略一样，仅检查Windows FW。禁用Windows FW并重新连接EP。

EP变为无投诉，但是，在安全评估策略中配置了2分钟的宽限期。因此，AC终端安全评估模块将状态显示为宽限期。



在RADIUS实时日志中，您可以看到EP被标记为投诉，即使状况检查失败。宽限期到期后，会话变为不合规状态。

Time	Status	Details	Repeat Cou...	Endpoint ID	Identity	Server	Authorization Policy	Posture Status
		⌵		Endpoint ID	Identity	Server	Authorization Policy	Posture Status
Nov 30, 2024 11:29:25.424 PM	ⓘ	🔒	0	B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS_NON_CO...	NonCompliant
Nov 30, 2024 11:29:25.402 PM	✅	🔒		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS_NON_CO...	NonCompliant
Nov 30, 2024 11:29:25.301 PM	✅	🔒		B4:96:91:26:EB:A1		labpsn01		NonCompliant
Nov 30, 2024 11:27:21.642 PM	✅	🔒		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
Nov 30, 2024 11:27:21.554 PM	✅	🔒		B4:96:91:26:EB:A1		labpsn01		Compliant
Nov 30, 2024 11:26:16.491 PM	✅	🔒		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS_NON_CO...	Pending

在ise-psc.log中，您可以看到，当EP连接时，由于租用未启用，它检查了LSD以检索终端安全评估状态。

```
2024-11-30 23:26:16,482 DEBUG [PolicyEngineEvaluationThread-16][[]] cisco.cpm.posture.pip.PostureStatus
2024-11-30 23:26:16,482 DEBUG [PolicyEngineEvaluationThread-16][[]] cisco.cpm.posture.pip.PostureStatus
2024-11-30 23:26:16,483 DEBUG [PolicyEngineEvaluationThread-16][[]] cisco.cpm.posture.pip.PostureStatus
```

EP的状态检查发生且失败。之后，ISE检查数据库以检索最后的CompliantExpiry值

17331603543062天)。

2024-11-30 23:27:19,123 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime

由于lastCompliantExpiry仍然有效，它进一步检查配置为2分钟的安全评估策略上配置的宽限期。

2024-11-30 23:27:19,123 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime

2024-11-30 23:27:19,544 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime

2024-11-30 23:27:19,544 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime

2024-11-30 23:27:19,546 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime

2024-11-30 23:27:19,546 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime

2024-11-30 23:27:19,546 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime

宽限期结束后，AC模块将失败的报告发送到ISE。ISE检查数据库中的宽限期并发现该宽限期已过期，然后它将该会话标记为非投诉并从DB中删除LastCompExpiryTime和GracePeriodTime。

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.runtime

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.runtime

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.runtime

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.runtime

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.edf.Pos

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.runtime

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.edf.Pos

2024-11-30 23:29:23,289 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-4][[]] cisco.cpm.posture.edf.Pos

如果EP重新连接且变为无抱怨，ISE不会执行安全评估策略的宽限期，因为最后一个合规期已过期，并且会话直接更新为无抱怨。

2024-12-01 00:49:40,004 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-6][[]] cisco.cpm.posture.runtime

方案 2：禁用Posture lease和Cache Last Known Posture Compliant Status。

Posture Lease

- ☒ Perform posture assessment every time a user connects to the network
- ☐ Perform posture assessment every Days 
- ☐ Cache Last Known Posture Compliant Status

Last Known Posture Compliant State Days 

在这种情况下，默认情况下，ISE在数据库中将lastCompliantexpiry时间更新为365天。

由于未启用终端安全评估租用，发生终端安全评估检查，并且EP在该ISE更新数据库中的lastCompliant到期时间到365天后成为投诉。

```
2024-12-01 00:58:17,191 DEBUG [PolicyEngineEvaluationThread-12][[]] cisco.cpm.posture.pip.PostureStatus
2024-12-01 00:58:17,191 DEBUG [PolicyEngineEvaluationThread-12][[]] cisco.cpm.posture.pip.PostureStatus
2024-12-01 00:58:17,191 DEBUG [PolicyEngineEvaluationThread-12][[]] cisco.cpm.posture.pip.PostureStatus
2024-12-01 00:58:56,722 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime
2024-12-01 00:58:56,723 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime
2024-12-01 00:58:56,723 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.runtime
2024-12-01 00:58:56,723 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-10][[]] cisco.cpm.posture.edf.Po
```

情形 3：轻量级会话目录(LSD)对状况租用的影响。

启用或禁用LSD不会影响状态租用和上次合规状态，因为这两个属性都存储在Oracle DB中并在部署中复制。而LSD在内存中存储有限的EP属性，并复制到其他PSN。

启用LSD时：

要启用LSD，请导航到Administration > System > Settings > Light Data Distribution > Check RADIUS Session Directory。

RADIUS Session Directory

Enable the RADIUS Session Directory (RSD) feature to store the user session information and replicate it across the PSNs in a deployment. The RSD stores only the session attributes that are required for CoA.

☒ Enable RADIUS Session Directory

EP首次连接并完成状态检查。EP合规后，会更新状态租用和数据库中最后一个已知的合规属性。

```
2024-12-02 19:36:43,274 DEBUG [PolicyEngineEvaluationThread-11][[]] cisco.cpm.posture.pip.PostureStatusP
2024-12-02 19:36:43,276 WARN [PolicyEngineEvaluationThread-11][[]] cisco.cpm.posture.runtime.PostureMan
2024-12-02 19:36:43,276 INFO [PolicyEngineEvaluationThread-11][[]] cisco.cpm.posture.pip.PostureStatusP
```

```
2024-12-02 19:37:27,164 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-5][[]] cisco.cpm.posture.runtime
```

```
2024-12-02 19:37:29,110 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-6][[]] cisco.cpm.posture.runtime
```

```
2024-12-02 19:37:29,113 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-6][[]] cisco.cpm.posture.runtime
2024-12-02 19:37:29,113 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-6][[]] cisco.cpm.posture.runtime
```

以下是LSD中分布在PSN上的属性。在属性中看不到状态租用和上次合规状态。

```
2024-12-02 19:37:32,221 DEBUG [LSD-consumers-pool-28][[]] cisco.cpm.lsd.service.SessionDirectory -:::
```

现在，使用部署中的另一个PSN对EP进行身份验证。

身份验证请求到达另一个PSN后，您可以看到PSN从数据库检索状态租用时间，并将会话直接标记为合规。同样的情况可以从实时日志中验证。

```
2024-12-02 20:08:27,449 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-12-02 20:08:27,449 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-12-02 20:08:27,468 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-12-02 20:08:27,471 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.runtime.PostureMan
2024-12-02 20:08:27,471 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.runtime.PostureMan
2024-12-02 20:08:27,472 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
2024-12-02 20:08:27,472 DEBUG [PolicyEngineEvaluationThread-5][[]] cisco.cpm.posture.pip.PostureStatusP
```

Time	Status	Details	Session ID	Repeat Co...	Endpoint ID	Identity	Server	Authorization Policy	Posture Status
			Session ID		Endpoint ID	Identity	Server	Authorization Policy	Posture Status
Dec 02, 2024 08:08:28.055 PM			08C9C50A0000002C87D4E09D	0	B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpan02	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 02, 2024 08:08:28.037 PM			08C9C50A0000002C87D4E09D		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpan02	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 02, 2024 07:37:31.216 PM			08C9C50A0000002B87B7D6EC		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 02, 2024 07:37:31.120 PM			08C9C50A0000002B87B7D6EC		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 02, 2024 07:36:43.290 PM			08C9C50A0000002B87B7D6EC		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS_NON_CO...	Pending

当LSD被禁用时：

要禁用LSD，请导航到Administration > System > Settings > Light Data Distribution > Uncheck RADIUS Session Directory。

RADIUS Session Directory

Enable the RADIUS Session Directory (RSD) feature to store the user session information and replicate it across the PSNs in a deployment. The RSD stores only the session attributes that are required for CoA.

☐ Enable RADIUS Session Directory

EP首次连接并完成状态流程。EP合规后，会更新状态租用和数据库中最后一个已知的合规属性。

2024-12-02 20:40:10,417 DEBUG [PolicyEngineEvaluationThread-9][[]] cisco.cpm.posture.pip.PostureStatusPI
2024-12-02 20:40:10,423 WARN [PolicyEngineEvaluationThread-9][[]] cisco.cpm.posture.runtime.PostureMana
2024-12-02 20:40:10,423 INFO [PolicyEngineEvaluationThread-9][[]] cisco.cpm.posture.pip.PostureStatusPI

2024-12-02 20:40:45,679 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime

2024-12-02 20:40:45,682 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime
2024-12-02 20:40:45,682 DEBUG [https-jsse-nio-10.127.197.170-8445-exec-1][[]] cisco.cpm.posture.runtime

现在，使用部署中的另一个PSN对EP进行身份验证。

身份验证请求到达另一个PSN后，您可以看到PSN从数据库检索状态租用时间，并将会话直接标记为合规。同样的情况可以从实时日志中验证。

2024-12-02 20:49:56,115 DEBUG [PolicyEngineEvaluationThread-10][[]] cisco.cpm.posture.pip.PostureStatus
2024-12-02 20:49:56,115 DEBUG [PolicyEngineEvaluationThread-10][[]] cisco.cpm.posture.pip.PostureStatus
2024-12-02 20:49:56,119 DEBUG [PolicyEngineEvaluationThread-10][[]] cisco.cpm.posture.pip.PostureStatus
2024-12-02 20:49:56,123 DEBUG [PolicyEngineEvaluationThread-10][[]] cisco.cpm.posture.runtime.PostureMa
2024-12-02 20:49:56,123 DEBUG [PolicyEngineEvaluationThread-10][[]] cisco.cpm.posture.runtime.PostureMa

2024-12-02 20:49:56,123 DEBUG [PolicyEngineEvaluationThread-10][[]] cisco.cpm.posture.pip.PostureStatus
2024-12-02 20:49:56,123 DEBUG [PolicyEngineEvaluationThread-10][[]] cisco.cpm.posture.pip.PostureStatus

Time	Status	Details	Session ID	Repeat Co...	Endpoint ID	Identity	Server	Authorization Policy	Posture Status
			Session ID		Endpoint ID	Identity	Server	Authorization Policy	Posture Status
Dec 02, 2024 08:50:26.305 PM			08C9C50A0000003187FADE13	0	B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpan02	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 02, 2024 08:49:56.133 PM			08C9C50A0000003187FADE13		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpan02	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 02, 2024 08:40:47.777 PM			08C9C50A0000003087F1EE30		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS	Compliant
Dec 02, 2024 08:40:47.692 PM			08C9C50A0000003087F1EE30		B4:96:91:26:EB:A1		labpsn01		Compliant
Dec 02, 2024 08:40:10.436 PM			08C9C50A0000003087F1EE30		B4:96:91:26:EB:A1	sksarkar@vmlab.local	labpsn01	Wired Lab Policy Set >> EAP_TLS_NON_CO...	Pending

从这两个场景中，您可以确认LSD不会影响状态租用。

常见问题解答

1.终端安全评估租用和缓存的最后已知终端安全评估是否相互独立？

是，无需启用缓存的最后已知安全评估即可启用安全评估租用，反之亦然。终端安全评估租用将终端合规性状态保存为配置时间内的终端属性。缓存的上一个已知终端安全评估是在数据库内保存的时间，在该时间内，如果终端变为不合规状态，将指定宽限期。这不是终端属性。

2.终端安全评估租用和缓存的上次已知终端安全评估是否都跨节点复制？

终端安全评估租赁是一个终端属性，在所有节点上复制。缓存的上次已知状态不是终端属性，但是，由于该值在Oracle数据库中，它也会复制到所有节点。

3.重新启动节点是否会删除这些值？

否，因为这两个节点都保存在Oracle数据库中，所以重新加载节点不会删除这些值。

4.安全评估租赁是否会导致任何安全问题？

启用终端安全评估租用时，ISE不检查终端安全评估状态。它可能导致安全问题，因为如果终端设备不兼容，ISE可以将其视为投诉。建议结合终端设备安全评估租赁使用终端设备重新评估，以最大程度降低此风险。

已知缺陷

Cisco Bug ID [CSCWk07454](#) PSN不会使用正确的状态租用到期时间更新数据库。

启用终端安全评估租用时，Cisco Bug ID [CSCwi58421](#) PSN节点未使用正确的终端安全评估到期时间更新数据库。

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