

# Configurar acesso seguro para ZTNA universal com FMC gerenciado no local em SCC

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## Introdução

Este documento descreve como configurar o Universal ZTNA com Secure Access e o FTD virtual gerenciado por um FMC virtual no local.

## Pré-requisitos

- O Firewall Management Center (FMC) e o Firewall Threat Defense (FTD) precisam ser implantados usando a versão de software 7.7.10 ou posterior.
- O Firewall Threat Defense (FTD) deve ser gerenciado pelo Firewall Management Center (FMC)

- O Firewall Threat Defense (FTD) deve ser licenciado com criptografia (a criptografia forte deve ser habilitada com o recurso de exportação habilitado), IPS e licenças de ameaças necessárias para controles de segurança
- A configuração básica do Firewall Threat Defense (FTD) deve ser executada no Firewall Management Center (FMC), como interface, roteamento, etc.
- A configuração DNS precisa ser aplicada no dispositivo do FMC para resolver o FQDN do aplicativo
- A versão do Cisco Secure Client precisa ser 5.1.10 ou superior
- O controle da nuvem de segurança é fornecido aos clientes com os sinalizadores de recursos Firewall e Secure Access Micro Apps e UZTNA habilitados

## Requisitos

- Todos os dispositivos Secure Firewall Management Center (FMC), incluindo cdFMC e Firewall Threat Defense (FTD), devem executar a versão de software 7.7.10 ou posterior.
- O Firewall Threat Defense (FTD) deve ser gerenciado pelo Firewall Management Center; Gerenciador local O Firewall Defense Manager (FDM) não é suportado
- Todos os dispositivos de Firewall Threat Defense (FTD) devem ser configurados para o modo roteado; não há suporte para o modo transparente.
- Não há suporte para dispositivos em cluster.
- Dispositivos de alta disponibilidade (HA) são suportados; eles são exibidos como uma entidade.
- Secure Client versão 5.1.10 ou posterior

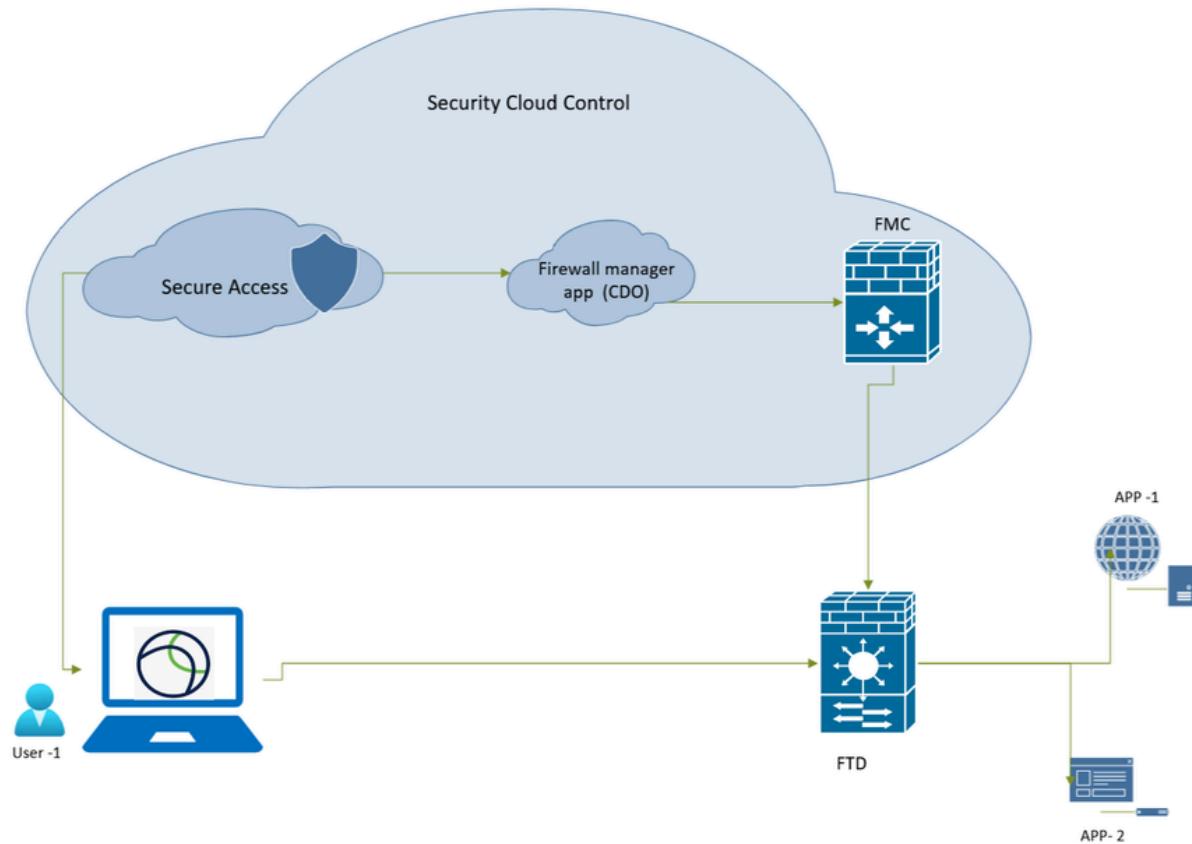
## Componentes Utilizados

As informações neste documento são baseadas em

- Controle de nuvem de segurança (SCC)
- Secure Firewall Management Center (FMC) versão 7.7.10
- Secure Firewall Threat Defense (FTD) virtual -100 versão 7.7.10
- Secure Client para Windows versão 5.1.10
- Acesso seguro

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

## Diagrama de Rede



Acesso seguro - Topologia de rede

## Informações de suporte

### Dispositivos suportados

Modelos compatíveis com Secure Firewall Threat Defense:

- FPR 1150
- FPR 3105, 3110, 3120, 3130, 3140
- FPR4115, 4125, 4145, 4112
- FPR4215, 4225, 4245
- Firewall Threat Defense (FTD) virtual com no mínimo 16 núcleos de CPU

### Limitações

- Compartilhamento de objetos
- IPv6 sem suporte.
- Somente o VRF global é compatível.
- As políticas ZTNA universais não são aplicadas no tráfego de túnel de site a site para um dispositivo .
- Não há suporte para dispositivos em cluster.

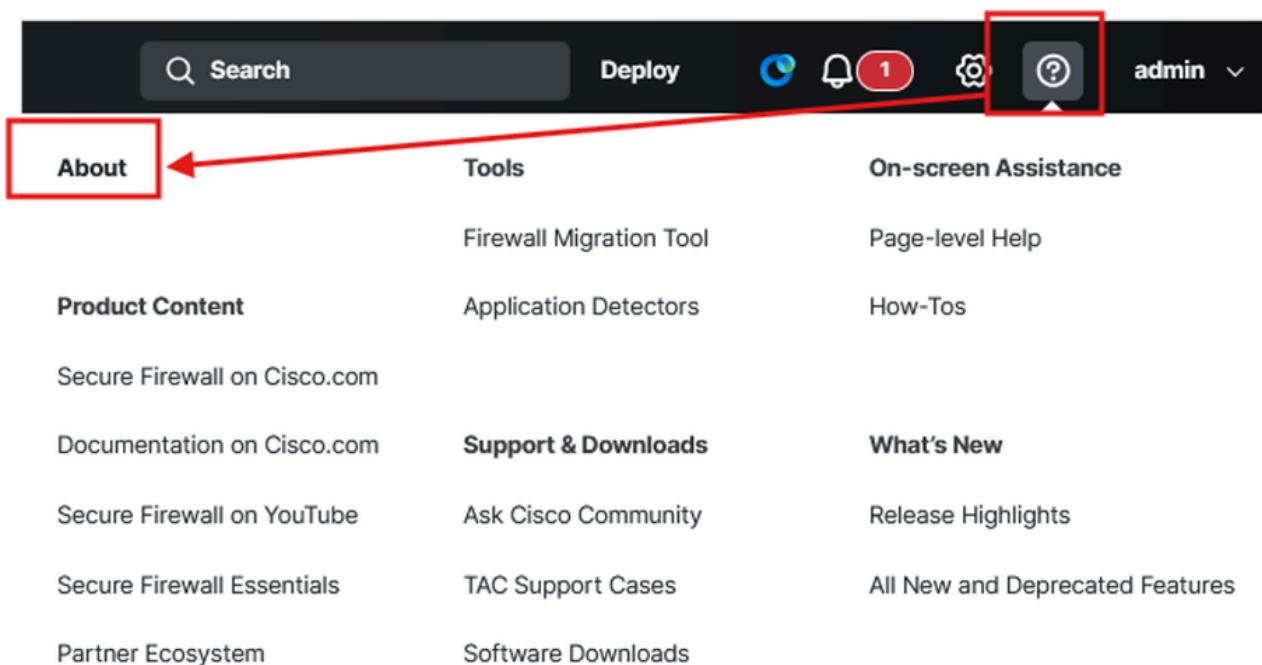
- FTDs implantados como contêineres nas séries 4K e 9K do firepower não são suportados
- As sessões ZTNA universais não suportam quadros jumbo

## Configurar

### Verificar a versão do FMC

Verifique se o Firewall Management Center e o Firewall FTD estão sendo executados na versão de software suportada para ZTNA universal (pode ser 7.7.10 ou superior):

- Clique em ?( canto superior direito) e clique em About





# Firewall Management Center

Version 7.7.10 (build 8)

Model	Cisco Secure Firewall Management Center for VMware
Serial Number	None
Snort Version	2.9.24 (Build 96)
Snort3 Version	3.3.5.1000 (Build 10)
Rule Pack Version	3115
Module Pack Version	3505
LSP Version	Isp-rel-20250430-1826
VDB Version	build 400 (2024-11-26 19:30:49)
Rule Update Version	2025-04-30-001-vrt
Geolocation Version	2025-04-19-097
OS	Cisco Firepower Extensible Operating System (FX-OS) 82.17.30 (build 3)
Hostname	firepower

For technical/system questions, email [tac@cisco.com](mailto:tac@cisco.com) phone: 1-800-553-2447 or  
1-408-526-7209. Copyright 2004-2025, Cisco and/or its affiliates. All rights reserved.

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Secure Firewall Management Center - Versão do software

## Verificar Versão do FTD

Navegue até a interface do usuário do FMC:

- Clique em **Devices > Device Management**

Name	Model	Version	Chassis	Licenses	Access Control Policy	Auto RollBack
FTD1(Primary, Active) Snort 3 192.168.1.11 - Routed	Firewall Threat Defense for VMware	7.7.10	N/A	Essentials, IPS (2 more...)	ACP	
FTD2(Secondary, Standby) Snort 3 192.168.1.13 - Routed	Firewall Threat Defense for VMware	7.7.10	N/A	Essentials, IPS (2 more...)	ACP	

Secure Firewall Threat Defense - Versão do software

## Verificar licenças de FTD

- Clique em Setting Icon >Licenses> Smart Licenses

The screenshot shows the FortiManager web interface. At the top, there is a dark header bar with several icons: a grey square, 'Deploy' (white text), a blue gear (green status), a bell (red notification with '1'), a red circle with a white '1', a gear icon with a red border (highlighted by a red box), a question mark, and 'admin'. To the right of the header is a dropdown menu.

The main content area has three main sections: Configuration, Health, and Monitoring.

Configuration	Health	Monitoring
Users	Monitor	Audit
Domains	Policy	Syslog
Product Upgrades	Events	Statistics
Content Updates	Exclude	
	Monitor Alerts	<b>Tools</b>
<b>Licenses</b>		Backup/Restore
<b>Smart Licenses</b>		Scheduling
		Import/Export
		Data Purge

Smart Licenses				
License Type/Device Name	License Status	Device Type	Domain	Group
> Firewall Management Center Virtual (2)	<span style="color: green;">●</span> In-Compliance			
Essentials (2)	<span style="color: green;">●</span> In-Compliance			
FTD-HA (2) [Performance Tier: FTDv100] Cisco Secure Firewall Threat Defense for VMware Threat Defense High Availability	<span style="color: green;">●</span> In-Compliance	High Availability - Cisco Secure Firewall Threat Defense for VMv Global	N/A	
Malware Defense (2)	<span style="color: red;">●</span> Out of Compliance			
FTD-HA (2) [Performance Tier: FTDv100] Cisco Secure Firewall Threat Defense for VMware Threat Defense High Availability	<span style="color: red;">●</span> Out of Compliance	High Availability - Cisco Secure Firewall Threat Defense for VMv Global	N/A	
IPS (2)	<span style="color: red;">●</span> Out of Compliance			
FTD-HA (2) [Performance Tier: FTDv100] Cisco Secure Firewall Threat Defense for VMware Threat Defense High Availability	<span style="color: red;">●</span> Out of Compliance	High Availability - Cisco Secure Firewall Threat Defense for VMv Global	N/A	
URL (2)	<span style="color: red;">●</span> Out of Compliance			
FTD-HA (2) [Performance Tier: FTDv100] Cisco Secure Firewall Threat Defense for VMware Threat Defense High Availability	<span style="color: red;">●</span> Out of Compliance	High Availability - Cisco Secure Firewall Threat Defense for VMv Global	N/A	
Carrier (0)				

## Secure Firewall Threat Defense - Smart Licenses

Verifique as configurações da plataforma e o DNS configurado corretamente

Fazendo login no FTD via CLI:

- Execute o comando para verificar se o DNS está configurado:

```
show run dns
```

No CVP:

- Clique em Devices > Platform Settings , edite ou crie uma nova política

Platform Settings			
Platform,Policy	Device Type	Status	
Platform,Policy	Threat Defense	Targeting 1 device(s) Up-to-date on all targeted devices	<span style="border: 2px solid red; padding: 2px;"> </span>

## Secure Firewall Threat Defense - Política de plataforma

The screenshot shows the 'Platform\_Policy' configuration page. On the left, there's a sidebar with navigation links like Home, Overview, Analysis, Policies, Devices, Objects, and Integration. Under 'Devices', 'DNS' is selected. The main pane shows 'DNS Settings' and 'Trusted DNS Servers'. A modal window titled 'Edit DNS Server Group' is open, showing a dropdown for 'Select DNS Group\*' set to 'Lab-DNS (Default)', a checked checkbox for 'Make as default', and a text input for 'Filter Domains'. Below the modal, there are fields for 'Expiry Entry Timer' (set to 1) and 'Poll Timer' (set to 240). At the bottom of the modal are 'Cancel' and 'OK' buttons. The main pane also includes sections for 'Interface Objects' and 'Available Interface Objects' (listing 'inside', 'outside', and 'tunnel1').

## Secure Firewall Threat Defense - Configuração do DNS

Verifique via FTD cli se você pode fazer ping no endereço IP e no FQDN dos recursos privados (se quiser acessar o PR usando seu FQDN).

```
dns>group Lab-DNS
ftd1# ping ise.taclab.com
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.10.10.50, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms
ftd1#
```

## Criar um locatário do Security Cloud Control no CDO



Note: Se você já tiver um espaço SCC configurado, não será necessário criar um novo espaço.

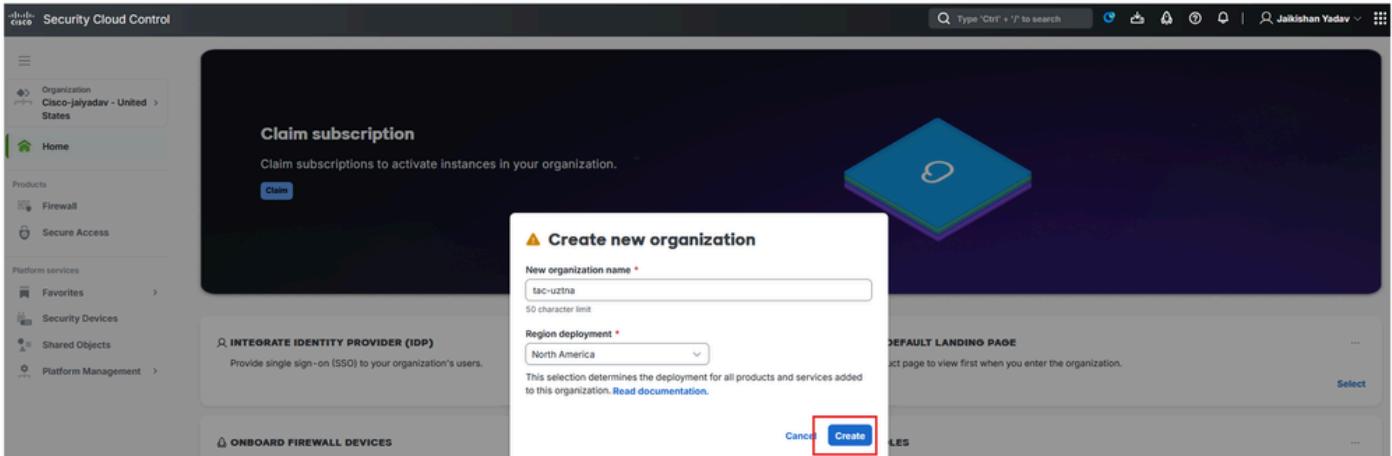
### Navegue até [Security Cloud Control](#):

- Clique em Organization > Create new organization

The screenshot shows the 'Security Cloud Control' interface. On the left, there's a sidebar with 'Organization' (Cisco-Jaiyadav - United States), 'Home', and 'Products'. A modal window titled 'Select an organization' is open, showing a search bar and a 'Create new organization' button. The main pane has a dark background with a blue graphic on the right and text about activating instances.

## Controle de nuvem seguro - Organização

- Clique em Create



## Controle de nuvem seguro - Criação de organização

Depois que o espaço SCC for criado , reúna as informações do espaço para habilitar o firewall e o microaplicativo Secure Access e habilitar a ZTNA.

Verifique se as configurações gerais do firewall SCC estão definidas

Navegue até [CDO/SCC](#):

- Clique em **Administration > General Settings**
- Verifique se **Auto onboard On-Prem FMCs from Cisco Security Cloud** a opção está habilitada.



Note: O usuário que está tentando acessar o Secure Access MicroApp deve ter **Secure Access** funções de administrador e **Security Cloud Control** .

**Security Cloud Control**

The screenshot shows the Cisco Security Cloud Control interface. On the left, there's a navigation sidebar with sections like Dashboard, Monitor, Insights & Reports, Events & Logs, Manage, Objects, Security Devices, Secure Connections, and Administration. The Administration section is currently selected. The main content area is titled "Administration" and contains two tabs: "General Settings" (selected) and "User Management". Under "General Settings", there are links for User Management and Notification Settings. Below these, there's a section titled "Integrations" with links for Secure Connectors, Firewall Management Center, Multicloud Defense, and Management.

This screenshot provides a detailed view of the "General Settings" page. It includes sections for "Enable the option to schedule automatic deployments", "Web Analytics", and "Auto onboard On-Prem FMCs from Cisco Security Cloud". A red box highlights the "Auto onboard On-Prem FMCs from Cisco Security Cloud" toggle switch and its explanatory text. Another red box highlights the "Tenant ID" field, which contains "cbc", and the "Secure Services Exchange Tenant ID" field, which contains "71". There's also a "Tenant Name" field with "CI" entered. A note on the right side of the page says: "Ensure that your On-Prem FMCs are integrated with Cisco Security Cloud. Only the integrated On-Prem FMCs are onboarded. See [Integrate On-Prem FMC to Cisco Security Cloud](#)".

Controle de nuvem seguro - Detalhes da empresa

Verificar a integração da base de gerenciamento de firewall de controle de segurança e locatário de acesso seguro

The screenshot shows the SCC interface with the following details:

- Organization:** Cisco-jaiyadav - United States
- Cisco Security Cloud Control Firewall Management Base:**
  - Subscription ID: a161c021-d64-48ab-8897-89c78be3aafa
  - Status: Activated
  - External Instance ID: 1
  - Quantity: 1
  - Region: North America
- Cisco Secure Access:**
  - Subscription ID: lab-jaiyadav-1
  - Status: Activated
  - External Instance ID: 1
  - Quantity: 0
  - Region: Global

## Controle de nuvem seguro - Ativação de acesso seguro

Depois de concluir a etapa [Criar um locatário do Security Cloud Control no CDO](#) e [Criar um locatário do Security Cloud Control no CDO](#), você poderá ver os microaplicativos Firewall e Secure Access no painel do SCC:

The screenshot shows the SCC interface with the following details:

- Organization:** Cisco-jaiyadav - United States
- Products:** Firewall, Secure Access
- Security Devices:** A table showing no devices or services found.

## Controle de nuvem seguro - Microaplicativos

Gerar certificado assinado de CA de FTD (Firewall Threat Defense, Defesa contra Ameaças)



Note: Você também pode usar certificados FTD autoassinados [Certificados FTD](#) (consulte a seção Geração de Certificados CA Internos e Internos AutoAssinados). O certificado deve estar no formato PKCS12 e deve estar presente no armazenamento do computador do usuário sob a CA raiz confiável.

Para gerar um certificado assinado por CA usando FTD no recurso build openssl:

- Navegar para FTD
- Executar `expert` comando
- Gerar CSR e chave usando openssl
  - Comando do OpenSSL:

```
openssl req -newkey rsa:2048 -nodes -keyout cert.key -out cert.csr
```

```
openssl req -newkey rsa:2048 -nodes -keyout cert.key -out cert.csr
Generating a RSA private key
-----+=====
-----+=====
writing new private key to 'cert.key'
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [AU]:US
State or Province Name (full name) [Some-State]:NC
Locality Name (eg, city) []:RTP
Organization Name (eg, company) [Internet Widgits Pty Ltd]:Cisco
Organizational Unit Name (eg, section) []:TAC
Common Name (e.g. server FQDN or YOUR name) []:ftd.taclab.com
Email Address []:

Please enter the following 'extra' attributes
to be sent with your certificate request
```

## Solicitação de assinatura de certificado

- Copiar o CSR e obter um certificado assinado pela CA
- Usar certificado e chave assinados por CA FTD e converter certificado no formato PKCS12
  - Comando do OpenSSL:

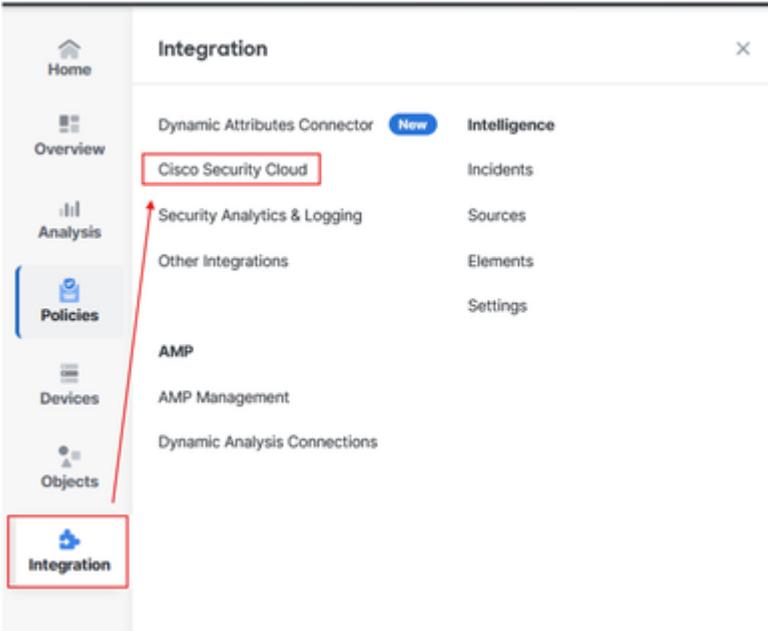
```
openssl pkcs12 -export -out ftdcert.p12 -in cert.crt -inkey cert.key
```

- Exporte o certificado usando SCP ou outra ferramenta.

Centro de gerenciamento de firewall local integrado para controle de segurança na nuvem

Navegue até o FMC:

- Clique em **Integration > Cisco Security Cloud**



## Centro de gerenciamento de firewall e integração SCC

- Escolha a região da nuvem e clique em Enable Cisco Security Cloud

The screenshot shows the 'Cisco Security Cloud Integration' page. The 'Integration' tab is selected. Under 'Cisco Security Cloud', the 'Current Cloud Region' dropdown is set to 'us-east-1 (US Region)'. Below it, the 'Enable Cisco Security Cloud' button is highlighted with a red box. The right side of the page contains sections for 'Cisco XDR Automation' (with checkboxes for 'Enable Cisco Success Network' and 'Enable Cisco Support Diagnostics'), 'Cisco XDR Automation' (with a checkbox for 'Enable Cisco XDR Automation'), and 'Zero-Touch Provisioning (ZTP)' (with a checkbox for 'Enable Zero-Touch Provisioning').

## Integração do Centro de gerenciamento de firewall ao SCC

Ele abrirá uma nova guia do navegador, na nova guia:

- Clique em Continue to Cisco SSO



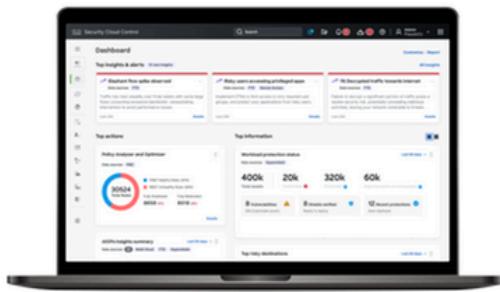
Note: Certifique-se de que você está desconectado do SCC e não tem nenhuma outra guia aberta.



## Welcome to the Cisco Security Cloud

Delivered through Security Cloud Control (SCC)

Staying on top of security is easier than ever. Security Cloud Control helps you consistently manage policies across your Cisco security products. It is a cloud-based application that cuts through complexity to save time and keep your organization protected against the latest threats.



SCC complements FMC by allowing you to:

- Drive consistent policy through shared object management with FMCs
- Enable Zero-Touch Provisioning of FTDs
- View events in the cloud
- Get a centralized view of inventory across FMCs
- Leverage cloud CSDAC and Cloud Delivered FMC
- and more

To continue with cloud registration of your FMC, you will need a Cisco Security Cloud Sign On (SSO) user account.

If you don't already have a Cisco SSO account, please proceed below and Sign Up for free. Note that you will need to restart the cloud registration from your FMC after your new SSO account is created.

If you already have a Cisco SSO account, please proceed below to choose or create a free SCC account to register your FMC.

### Let's get started!

1

Sign Up/Sign In with Cisco SSO

2

Register FMC with a SCC Tenant

[Continue to Cisco SSO](#)

### Integração do Centro de gerenciamento de firewall ao SCC

- Escolha seu locatário SCC e clique em Authorize FMC



**Welcome to Security Cloud Control**

To proceed with the registration of your FMC, please select a SCC tenant or enterprise to register with the FMC and verify the code displayed below matches the user code from your FMC.

Select Tenant  Create Tenant

Search Tenants

cisco-jaiyadav

cisco-ngfw-us-sspt

cisco-vibobrov

default\_enterprise

---

**Grant Application Access**

Compare the code below to the authorization code shown in the FMC tab. If the codes match, authorize the FMC to complete the registration. If the codes do not match, cancel registration.

8ABA15B5

FMC would like access to your SCC tenant **cisco-jaiyadav**.

- **Users:** All internal users in FMC will have read-only access to this SCC tenant.
- **Data:** FMC will be able to collect data using SCC APIs.

The FMC will be registered with tenant **cisco-jaiyadav**

**Authorize FMC**

## Integração do Centro de gerenciamento de firewall ao SCC

- Clique em Save

**Firewall Management Center**  
Integration / Cisco Security Cloud

**Integration**

Cisco Security Cloud: Enabled | Current Cloud Region: us-east-1 (US Region) | Security Services Exchange Tenant: SEC TAC | Cloud Onboarding Status: Not Available

**Settings**

**Event Configuration**

Send events to the cloud  View your Events in Cisco Security Cloud

Intrusion events

File and malware events

Connection events

Security

All

**Cisco AI Assistant for Security**

Powered by generative AI and natural language processing, Cisco AI Assistant for Security enables you to create access control rules, query documentation and reference materials when required, and streamline your workflow. [Learn more](#)

Enable Cisco AI Assistant for Security

**Policy Analyzer and Optimizer**

Policy Analyzer & Optimizer evaluates access control rules to improve security and performance of the firewall. Recommendations can include removing redundant or unnecessary rules, consolidating similar rules, and reordering rules to reduce the number of rule evaluations required for each packet. [Learn more](#)

Enable Policy Analyzer and Optimizer

**Cisco Security Cloud Support**

Cisco cloud support services provide an enhanced support experience and maximize the value of the Cisco products. The management center establishes and maintains a secure connection to Cisco cloud to participate in additional service offerings from Cisco.

Enable Cisco Success Network

Enable Cisco Support Diagnostics

**Cisco XDR Automation**

Enable Cisco XDR Automation to allow a Cisco XDR user to build automated workflows that interact with various resources in the Secure Firewall Management Center. [Learn more](#)

Enable Cisco XDR Automation

**Zero-Touch Provisioning (ZTP)**

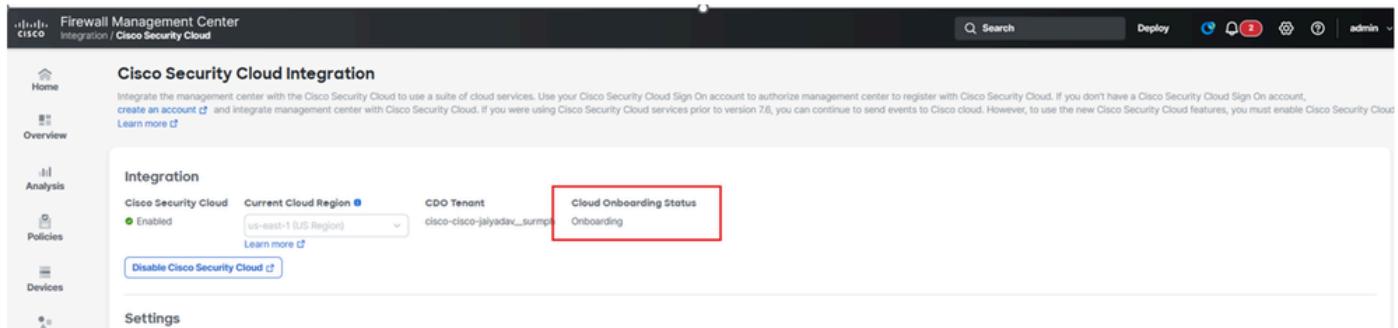
With ZTP, you can register your devices in management center by serial number, without performing any initial setup in the device. Management center integrates with Defense Orchestrator (DCO) for this functionality. You can either add a single device using a serial number and an access control policy, or add multiple devices simultaneously using serial numbers and a device template with preconfigured settings. [Learn more](#)

Enable Zero-Touch Provisioning

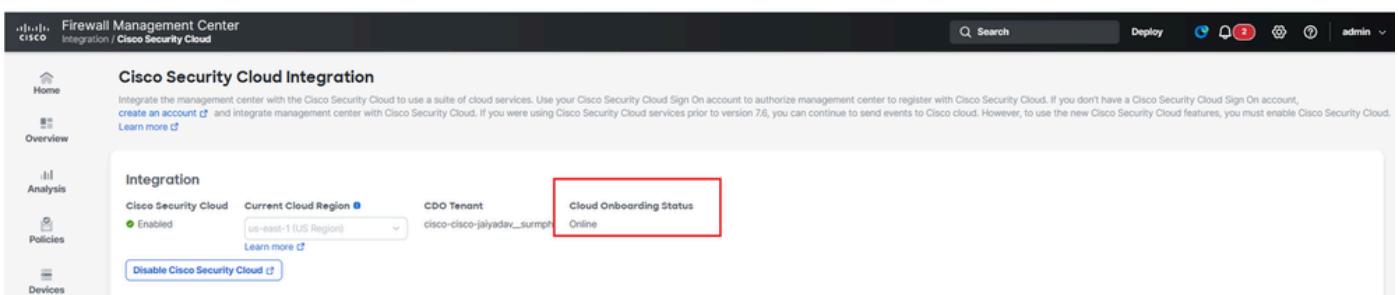
**Save**

## Integração do Centro de gerenciamento de firewall ao SCC

O status de Cloud Onboarding Status deve mudar de Not Available para Onboarding e, em seguida, Online.



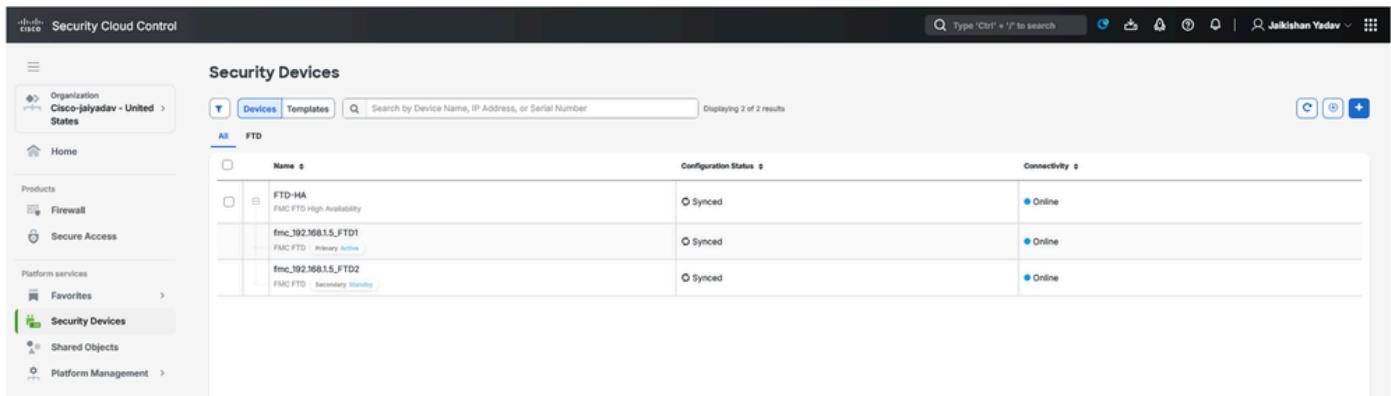
The screenshot shows the Cisco Security Cloud Integration page within the Firewall Management Center. The 'Cloud Onboarding Status' field is highlighted with a red box and displays the value 'Onboarding'. Other visible fields include 'Cisco Security Cloud' (Enabled), 'Current Cloud Region' (us-east-1 (US Region)), and 'CDO Tenant' (cisco-cisco-jayadav...surmp).



The screenshot shows the Cisco Security Cloud Integration page within the Firewall Management Center. The 'Cloud Onboarding Status' field is highlighted with a red box and displays the value 'Online'. Other visible fields include 'Cisco Security Cloud' (Enabled), 'Current Cloud Region' (us-east-1 (US Region)), and 'CDO Tenant' (cisco-cisco-jayadav...surmp).

## Status de Integração do Centro de Gerenciamento de Firewall

- Navegue até [SCC](#) e verifique o status do FTD em [Platform Services > Security Devices](#)



The screenshot shows the Security Devices page within the Security Cloud Control interface. The table lists three FTD devices:

- FTD-HA (FMC FTD High Availability) - Synced, Online
- fmc\_192.168.1.5\_FT01 (FMC FTD Primary Active) - Synced, Online
- fmc\_192.168.1.5\_FT02 (FMC FTD Secondary Standby) - Synced, Online

## Status da defesa contra ameaças do firewall seguro no SCC

## Registrar as configurações do Universal Zero Trust Network Access (ZTNA) no FTD

Navegue até SCC:

- Clique em [Platform Services > Security Devices > FTD > Device Management > Universal Zero Trust Network Access](#)

## Secure Firewall Threat Defense - Configuração universal do ZTNA

- Preencha as informações e carregue o certificado FTD gerado na etapa [Gerar um certificado assinado CA FTD \(Firewall Threat Defense\)](#)

## Secure Firewall Threat Defense - Configuração universal do ZTNA

## Secure Firewall Threat Defense - Configuração universal do ZTNA

## Secure Firewall Threat Defense - Configuração universal do ZTNA



Note: Quando você habilita o ZTNA no FTD HA , ele implementa as alterações e reinicializa as unidades de Firewall Threat Defense (FTD) ao mesmo tempo. Certifique-se de agendar uma janela de manutenção apropriada.

- Clique em Workflow para verificar os logs

**Security Devices**

Name	Configuration Status	Connectivity
FTD-HA	Not Synced	Online

**Device Details**

FTD-HA  
FMC FTD High Availability

**Universal Zero Trust Access Settings - Last status**

**Device Actions**

- Check for Changes
- Manage Licenses
- Workflows

## Secure Firewall Threat Defense - Status da configuração universal do ZTNA

Name	Priority	Condition	Current State	Last Active	Start Time	End Time	Service
onDemandZTNADeployOrchestratorStateMachine	On Demand	Active	Initiate Get Task Status Deployment Request	5/4/2025, 11:43:51 PM	5/4/2025, 11:43:00 PM	-	AEGIS
ACTION	TIME	STARTSTATE	ENDSTATE	RESULT			
EmptyOnNothingStateMachineAction	05/04/2025 11:43:01 PM / 05/04/2025 11:43:01 PM	INITIATE_UNIVERSAL_ZTNA_DEPLOY_ORCHESTRATOR	GET_DEVICE_RECORDS	SUCCESS			
TriggerCertMachineAction	05/04/2025 11:43:01 PM / 05/04/2025 11:43:01 PM	GET_DEVICE_RECORDS	WAIT_FOR_OOB_TO_FINISH	SUCCESS			
FmcOnNothingOobCompletionHandler	05/04/2025 11:43:05 PM / 05/04/2025 11:43:05 PM	WAIT_FOR_OOB_TO_FINISH	SUBMIT_CERTIFICATE_ENROLLMENT_FETCH_REQUEST	SUCCESS			
FmcRequestCertEnrollmentAction	05/04/2025 11:43:05 PM / 05/04/2025 11:43:06 PM	SUBMIT_CERTIFICATE_ENROLLMENT_FETCH_REQUEST	SUBMIT_CERTIFICATE_ENROLLMENT_FETCH_REQUEST_WAIT	SUCCESS			
FmcReceivedPgesAccumulator	05/04/2025 11:43:09 PM / 05/04/2025 11:43:09 PM	AVAIT_RESPONSE_FROM_EXECUTE_INCHIEQUESTS	PROCESS_FETCHED_CERTIFICATE_ENROLLMENT_DATA	SUCCESS			
FmcProcessCertEnrollmentData	05/04/2025 11:43:09 PM / 05/04/2025 11:43:09 PM	PROCESS_FETCHED_CERTIFICATE_ENROLLMENT_DATA	TRIGGER_CERT_CONFIG_SYNC	SUCCESS			
TriggerCertConfigSync	05/04/2025 11:43:09 PM / 05/04/2025 11:43:09 PM	TRIGGER_CERT_CONFIG_SYNC	POLL_FOR_CERT_CONFIG_SYNC_TO_FINISH	SUCCESS			
CheckPollTimeOut	05/04/2025 11:43:09 PM / 05/04/2025 11:43:09 PM	POLL_FOR_CERT_CONFIG_SYNC_TO_FINISH	CHECK_CERT_CONFIG_SYNC_STATUS	SUCCESS			
FetchAndProcessCertConfigSyncStatus	05/04/2025 11:43:09 PM / 05/04/2025 11:43:09 PM	CHECK_CERT_CONFIG_SYNC_STATUS	WAIT_FOR_CERT_CONFIG_SYNC_TO_FINISH	POLL_FOR_CERT_CONFIG_SYNC_TO_FINISH			
NoOpSleepStateMachineAction	05/04/2025 11:43:09 PM / 05/04/2025 11:43:30 PM	WAIT_FOR_CERT_CONFIG_SYNC_TO_FINISH	POLL_FOR_CERT_CONFIG_SYNC_TO_FINISH	SUCCESS			
CheckPollTimeOut	05/04/2025 11:43:30 PM / 05/04/2025 11:43:30 PM	POLL_FOR_CERT_CONFIG_SYNC_TO_FINISH	CHECK_CERT_CONFIG_SYNC_STATUS	SUCCESS			
FetchAndProcessCertConfigSyncStatus	05/04/2025 11:43:30 PM / 05/04/2025 11:43:30 PM	CHECK_CERT_CONFIG_SYNC_STATUS	CLEANUP_CERT_CONFIG_SYNC_POLL_DATA	SUCCESS			
CleanPollingData	05/04/2025 11:43:30 PM / 05/04/2025 11:43:30 PM	CLEANUP_CERT_CONFIG_SYNC_POLL_DATA	POLL_FOR_DEPLOYMENT_TO_FINISH_IF_ANY	SUCCESS			
CheckPollTimeOut	05/04/2025 11:43:30 PM / 05/04/2025 11:43:30 PM	POLL_FOR_DEPLOYMENT_TO_FINISH_IF_ANY	GET_DEPLOY_VERSION_TIMESTAMP	SUCCESS			
FmcRequestDeployVersionTimestampAction	05/04/2025 11:43:30 PM / 05/04/2025 11:43:30 PM	GET_DEPLOY_VERSION_TIMESTAMP	WAIT_FOR_DEPLOY_VERSION_TIMESTAMP	SUCCESS			
FmcGetDeployVersionTimestampOrPollIfDeployingForADeviceResponseHandler	05/04/2025 11:43:33 PM / 05/04/2025 11:43:33 PM	AVAIT_RESPONSE_FROM_EXECUTE_INCMREQUESTS	CLEANUP_EXISTING_DEPLOY_POLL_DATA	SUCCESS			

## Fluxo de trabalho de controle de nuvem de segurança

Em Detalhes da transcrição, você pode ver Policy Deployment Status e alterações em FMC.

Job Name	Deployed by	Start Time	End Time	Status	Deployment Notes
Deploy_Job_62	internaladmin	May 4, 2025 11:43 PM	May 4, 2025 11:44 PM	Completed	Security Cloud Control tr...
Device	Transcript	Preview	Status		
FTD-HA			Complete		
Deploy_Job_61	internaladmin				
Deploy_Job_60	internaladmin				
Deploy_Job_59	internaladmin				
Deploy_Job_58	internaladmin				
Deploy_Job_57	internaladmin				
Deploy_Job_56	internaladmin				
Certificate_Job_9	System				
Deploy_Job_55	admin				
Deploy_Job_54	admin				
Deploy_Job_53	System				

**Transcript Details**

```
***** INFRASTRUCTURE MESSAGES *****
["coreAllocationProfile","profileValue":"Universal ZTNA"]
App/Sensor config Switch Successful in Active/Control Node;
Finalize in Data/Standby Node's App Config - Success- Node ID: [1]
```

## Secure Firewall Management Center - Status de implantação da política

## Inscreva o cliente na ZTNA

### Configuração de acesso seguro



Note: Você pode usar o SSO ou um Certificado com base no registro ZTA. A seguir, estão as etapas para o registro ZTA baseado em certificado

Navegue até [Secure Access Dashboard](#):

- Clique em Connect > End User Connectivity > Zero Trust Access
- Clique em Manage

The screenshot shows the Cisco Secure Access dashboard. The top navigation bar includes the Cisco logo, a search bar, and user information (Jaikishan Yadav). Below the navigation is a sidebar with icons for Home, Experience Insights, Connect (which is selected), and Resources. The main content area has a title 'End User Connectivity' and a sub-section 'Zero Trust Access'. It contains text about defining traffic steering and links to 'Help' and 'Manage' buttons. The 'Manage' button is highlighted with a red box. Other tabs in the main content area include 'Virtual Private Network' and 'Internet Security'.

### Acesso seguro - Inscrição de certificado ZTA

- Carregar o certificado da autoridade de certificação raiz e baixar o arquivo de configuração de registro

The screenshot shows the Cisco Secure Access interface under the Zero Trust Access section. On the left, there's a sidebar with icons for Home, Experience Insights, Connect, Resources, Secure, Monitor, Admin, and Workflows. The main content area is titled "Enrollment methods" and includes a note about enrolling endpoint devices for Zero Trust Access. It lists two methods: "Use SSO Authentication" (unchecked) and "Use Certificates" (checked). Under "Use Certificates", it says "Enrollment occurs without user action". Step 1, "Upload a CA Certificate if necessary", has a note that at least one uploaded root certificate or certificate chain must be able to validate identity certificates on endpoint devices during zero trust enrollment and renewal. It shows a "CA Certificates" section with a "No CA certificates" link and a red box around the "Upload a CA Certificate" button. Step 2, "Download the enrollment configuration file", has a note that the file is regenerated each time a new CA certificate is uploaded. It shows a "Download" button with the file name "8295509\_ZTA\_Enroll\_Cert.json" and a red box around it. A note below says you can also download the configuration file and Cisco Secure Client from the "Download Cisco Secure clientpage". At the bottom are "Save" and "Cancel" buttons.

## Acesso seguro - Inscrição de certificado ZTA

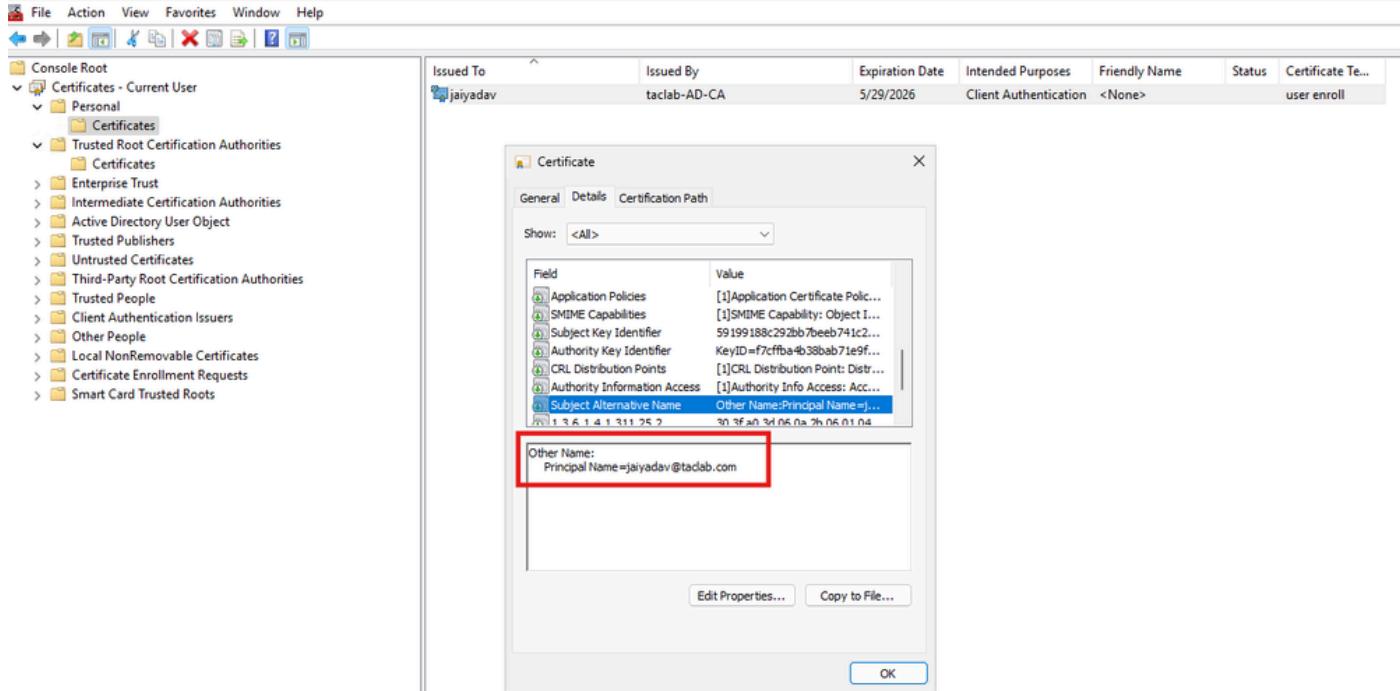
- Clique em Save

## Configuração do Cliente

Copie o arquivo de configuração de registro para C:\ProgramData\Cisco\Cisco Secure Client\ZTA\enrollment\_choices

The screenshot shows a Windows File Explorer window with the path "C:\ProgramData\Cisco\Cisco Secure Client\ZTA\enrollment\_choices". The "Details" view is selected, showing a list of files. One file, "8295509\_ZTA\_Enroll\_Cert", is highlighted with a red box. The file is a JSON file, modified on 5/10/2025 at 11:22 AM, and is 3 KB in size. The left sidebar shows "Desktop", "Downloads", and "Documents".

- Criar um certificado de cliente, que deve ter UPN no SAN arquivado

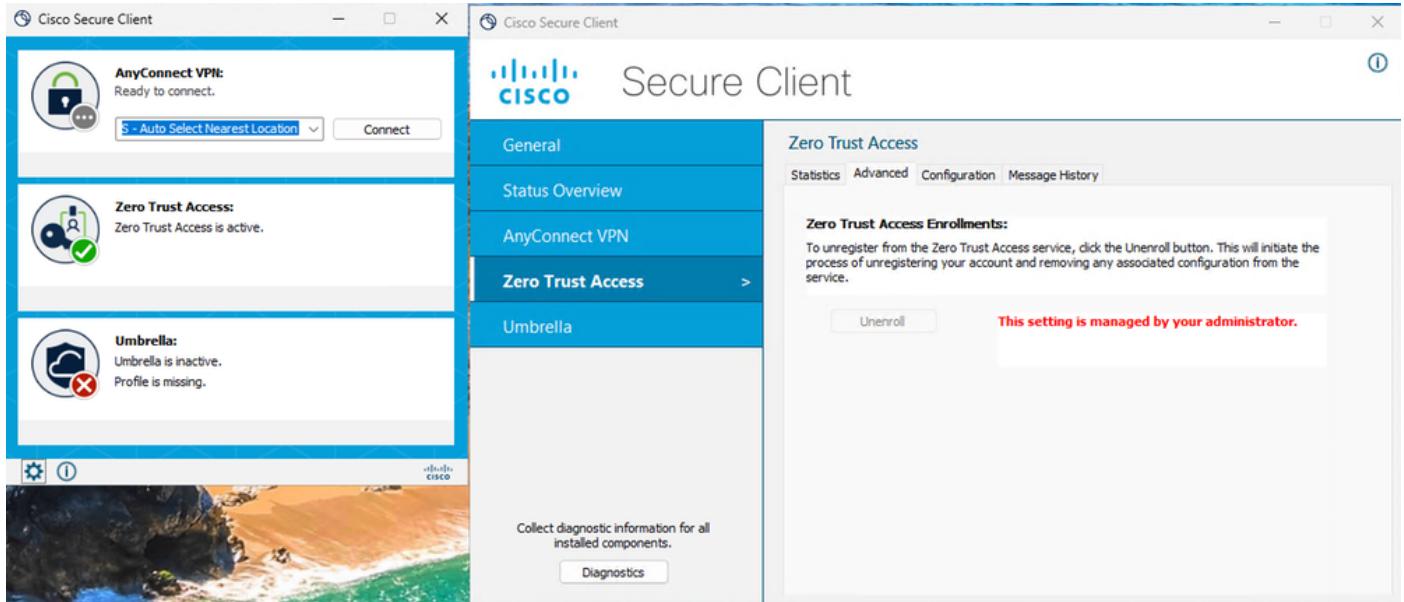


## Instalação do certificado

- Iniciar/ Reiniciar Cisco Secure Client - Zero Trust Access Agent

## Serviços do Windows

- Verifique o status do módulo ZTA



Acesso seguro - Status de inscrição de certificado ZTA

## Verificar

Use o próximo comando para verificar a configuração da ZTNA no Firewall Threat Defense (FTD):

```
show allocate-core profile  
show running-config universal-zero-trust
```

## Informações Relacionadas

- [Suporte técnico e downloads da Cisco](#)
- [Central de ajuda do Cisco Secure Access](#)
- [Guia de design do Cisco SASE](#)

## Sobre esta tradução

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