Configurar o mapeamento de atributos RADIUS para usuários remotos do FlexVPN

Contents

Introdução

Este documento descreve como configurar o FlexVPN usando o Cisco Identity Services Engine (ISE) para verificar identidades e executar o mapeamento do grupo de atributos.

Pré-requisitos

Requisitos

A Cisco recomenda que você tenha conhecimento destes tópicos:

- Rede Virtual Privada de Acesso Remoto (RAVPN - Remote Access Virtual Private Network) com configuração IKEV2/IPsec em um Cisco IOS® XE Router via CLI
- Configuração do Cisco Identity Services Engine (ISE)
- Cisco Secure Client (CSC)
- protocolo RADIUS

Componentes Utilizados

Este documento é baseado nestas versões de software e hardware:

- Cisco CSR1000V (VXE) - Versão 17.03.04a
- Cisco Identity Services Engine (ISE) - versão 3.1
- Cisco Secure Client (CSC) - Versão 5.0.05040
- Windows 11

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.

Configurar

Diagrama de Rede

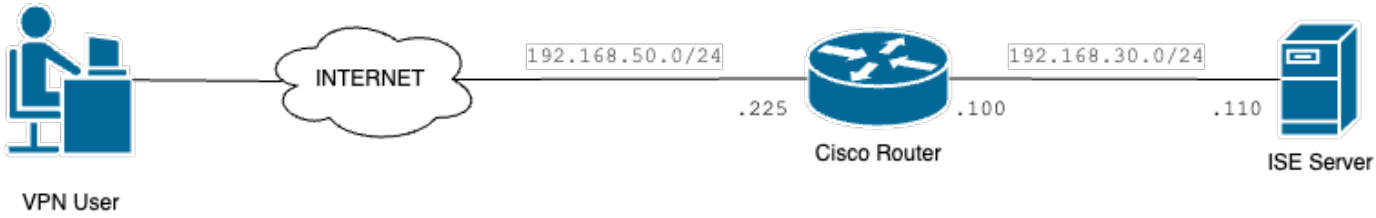


Diagrama básico de rede

Configurações

Configuração do roteador

Etapa 1. Configure um servidor RADIUS para autenticação e autorização local no dispositivo:

```
aaa new-model
aaa group server radius FlexVPN-Authentication-Server
server-private 192.168.30.110 key Cisco123
aaa authentication login FlexVPN-Authentication-List group FlexVPN-Authentication-Server
aaa authorization network FlexVPN-Authorization-List local
```

O comando aaa authentication login <list_name> refere-se ao grupo de autenticação, autorização e contabilização (AAA) (que define o servidor RADIUS).

O comando aaa authorization network <list_name> local informa que usuários/grupos definidos localmente devem ser usados.

Etapa 2. Configurar um ponto confiável para armazenar o certificado do roteador. Como a autenticação local do roteador é do tipo RSA, o dispositivo exige que o servidor se autentique usando um certificado:

```
crypto pki trustpoint FlexVPN-TP
enrollment url http://192.168.50.230:80
subject-name CN=192.168.50.225
revocation-check none
rsakeypair FlexVPN_KEY
```

Etapa 3. Defina um pool local de IP para cada grupo de usuários diferente:

```
ip local pool group1 172.16.10.1 172.16.10.50
ip local pool group2 172.16.20.1 172.16.20.50
```

Etapa 4. Configure a diretiva de autorização local:

```
crypto ikev2 authorization policy FlexVPN-Local-Policy
```

Nenhuma configuração é necessária na política de autorização, pois o servidor de autenticação é responsável por enviar os valores relevantes (DNS, pool, rotas protegidas e assim por diante) com base no grupo ao qual o usuário pertence. No entanto, ele deve ser configurado para definir o nome de usuário em nosso banco de dados de autorização local.

Etapa 5 (opcional). Crie uma proposta e uma política IKEv2 (se não estiverem configuradas, serão usados padrões inteligentes):

```
crypto ikev2 proposal IKEv2-prop
 encryption aes-cbc-256
 integrity sha256
 group 14

crypto ikev2 policy IKEv2-pol
 proposal IKEv2-prop
```

Etapa 6 (opcional). Configure o conjunto de transformação (se não estiver configurado, os padrões inteligentes serão usados):

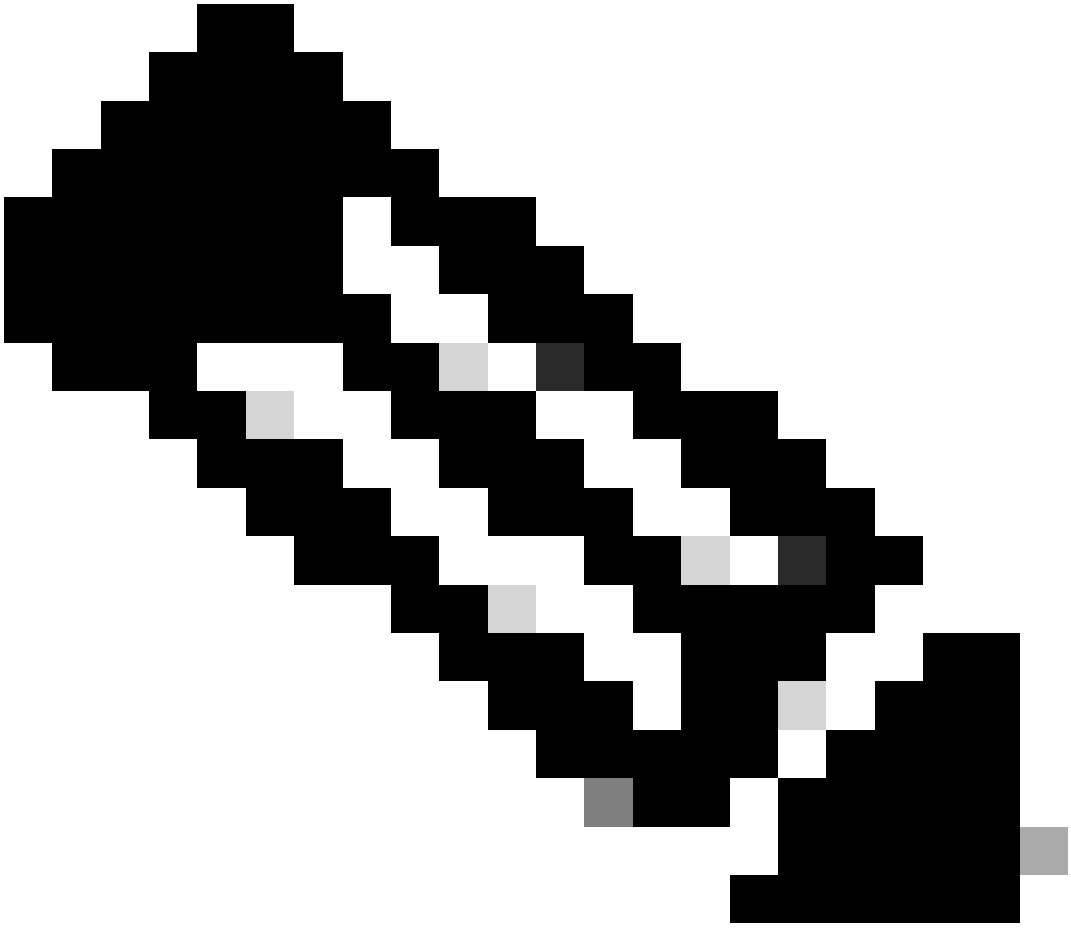
```
crypto ipsec transform-set TS esp-aes 256 esp-sha256-hmac
 mode tunnel
```

Passo 7. Configure um perfil IKEv2 com as identidades locais e remotas apropriadas, métodos de

autenticação (locais e remotos), ponto confiável, AAA e a interface de modelo virtual usada para as conexões:

```
crypto ikev2 profile FlexVPN-IKEv2-Profile
match identity remote key-id cisco.example
identity local dn
authentication local rsa-sig
authentication remote eap query-identity
pki trustpoint FlexVPN-TP
aaa authentication eap FlexVPN-Authentication-List
aaa authorization group eap list FlexVPN-Authorization-List FlexVPN-Local-Policy
aaa authorization user eap cached
virtual-template 100
```

O comando aaa authorization user eap cached especifica que os atributos recebidos durante a autenticação EAP devem ser armazenados em cache. Esse comando é essencial para a configuração porque, sem ele, os dados enviados pelo servidor de autenticação não são usados, levando a uma falha na conexão.



Observação: o key-id remoto deve corresponder ao valor key-id no arquivo XML. Se não for modificado no arquivo XML, o valor padrão (*$AnyConnectClient$*) será usado e deverá ser configurado no perfil IKEv2.

Etapa 8. Configure um perfil IPsec e atribua o conjunto de transformação e o perfil IKEv2:

```
crypto ipsec profile FlexVPN-IPsec-Profile
set transform-set TS
set ikev2-profile FlexVPN-IKEv2-Profile
```

Etapa 9. Configure uma interface de loopback. As interfaces de acesso virtual pegam emprestado o endereço IP:

```
interface Loopback100
```

```
ip address 10.0.0.1 255.255.255.255
```

Etapa 10. Crie o modelo virtual que será usado para criar as diferentes interfaces de acesso virtual e vincule o perfil IPSec criado na Etapa 8:

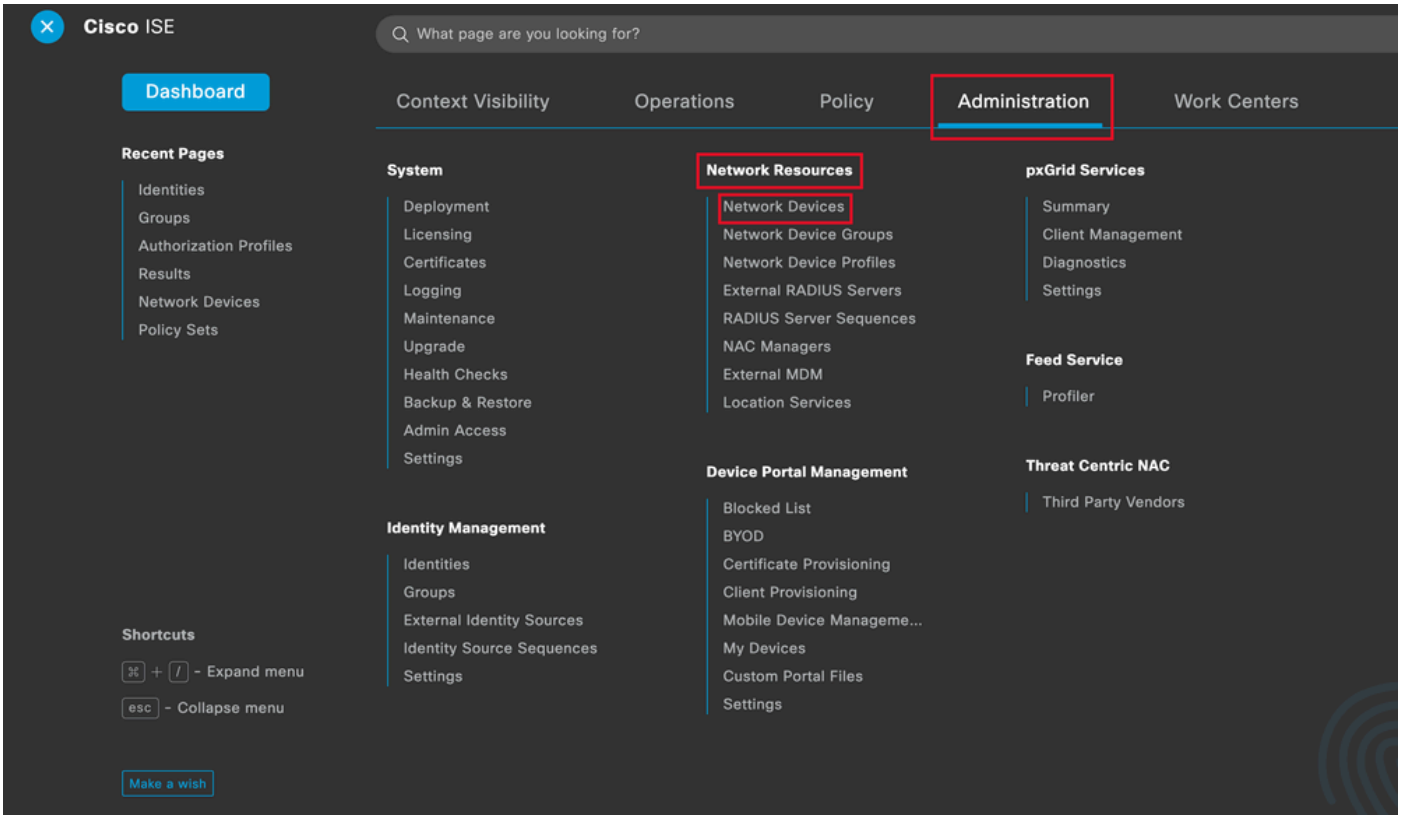
```
interface Virtual-Template100 type tunnel
ip unnumbered Loopback100
tunnel mode ipsec ipv4
tunnel protection ipsec profile FlexVPN-IPsec-Profile-1
```

Etapa 11. Desabilite a pesquisa de certificado baseada em URL HTTP e o servidor HTTP no roteador:

```
no crypto ikev2 http-url cert
no ip http server
no ip http secure-server
```

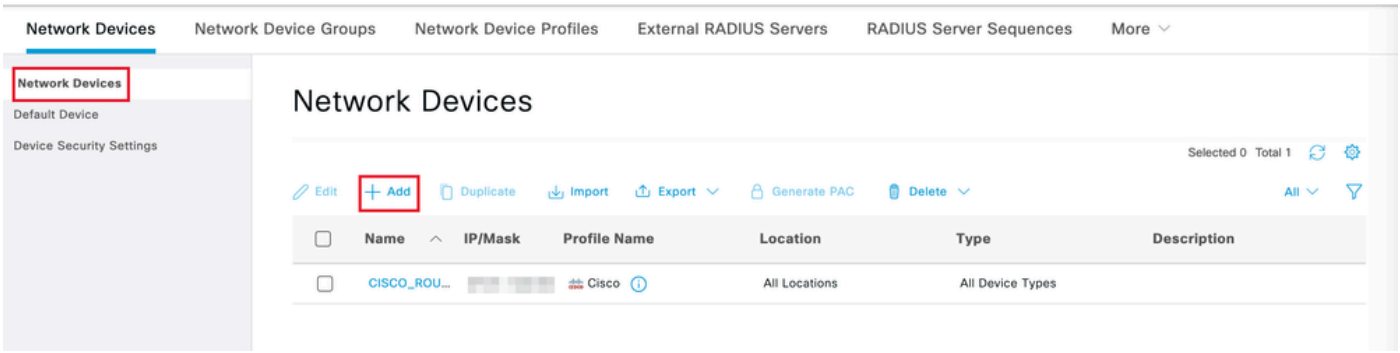
Configuração do Identity Services Engine (ISE)

Etapa 1. Faça login no servidor ISE e navegue até Administração > Recursos de rede > Dispositivos de rede:



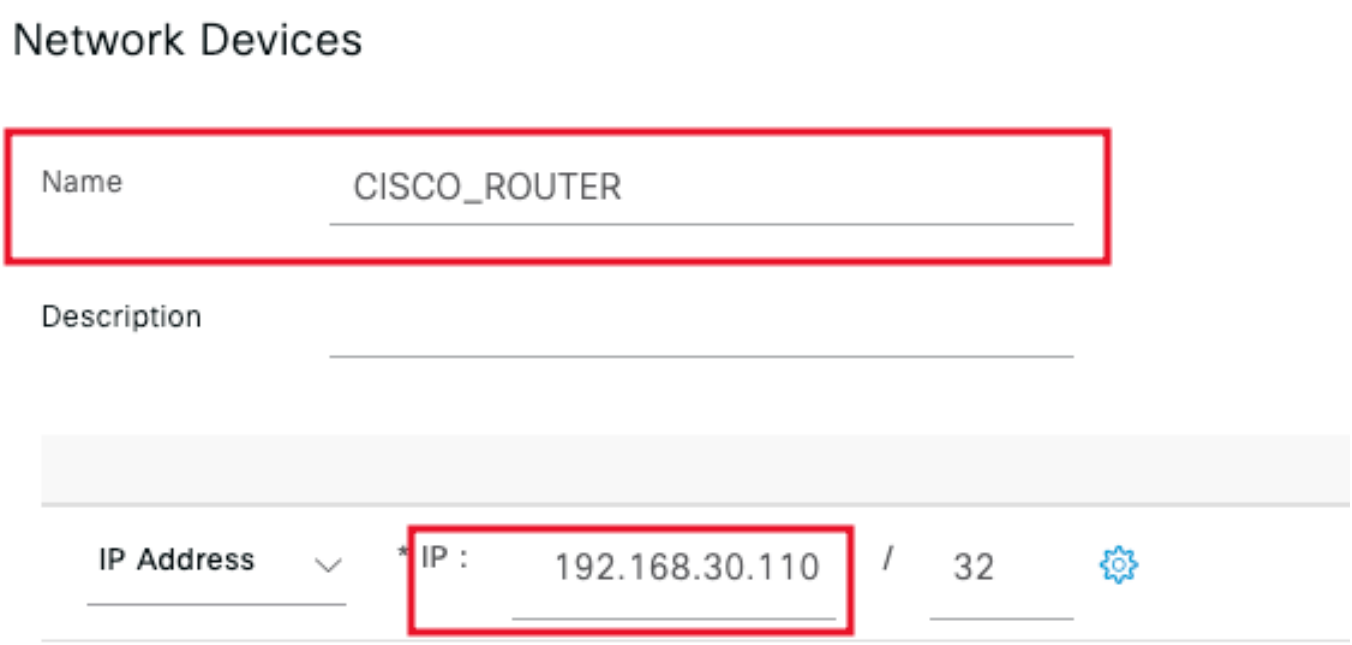
Menu geral do ISE

Etapa 2. Clique em Add para configurar o roteador como um cliente AAA:

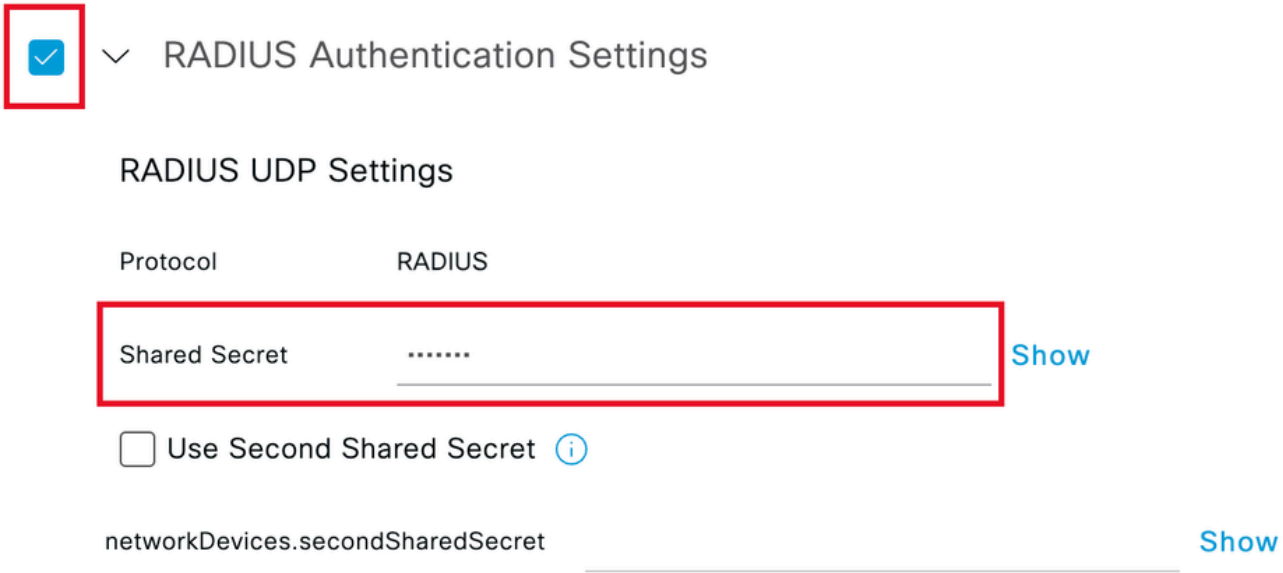


Adicionando um novo dispositivo de rede

Insira os campos Nome do dispositivo de rede e Endereço IP e marque a caixa Configurações de autenticação RADIUS e adicione o Segredo compartilhado. Esse valor deve ser o mesmo que foi usado quando o objeto Servidor RADIUS no roteador foi criado.



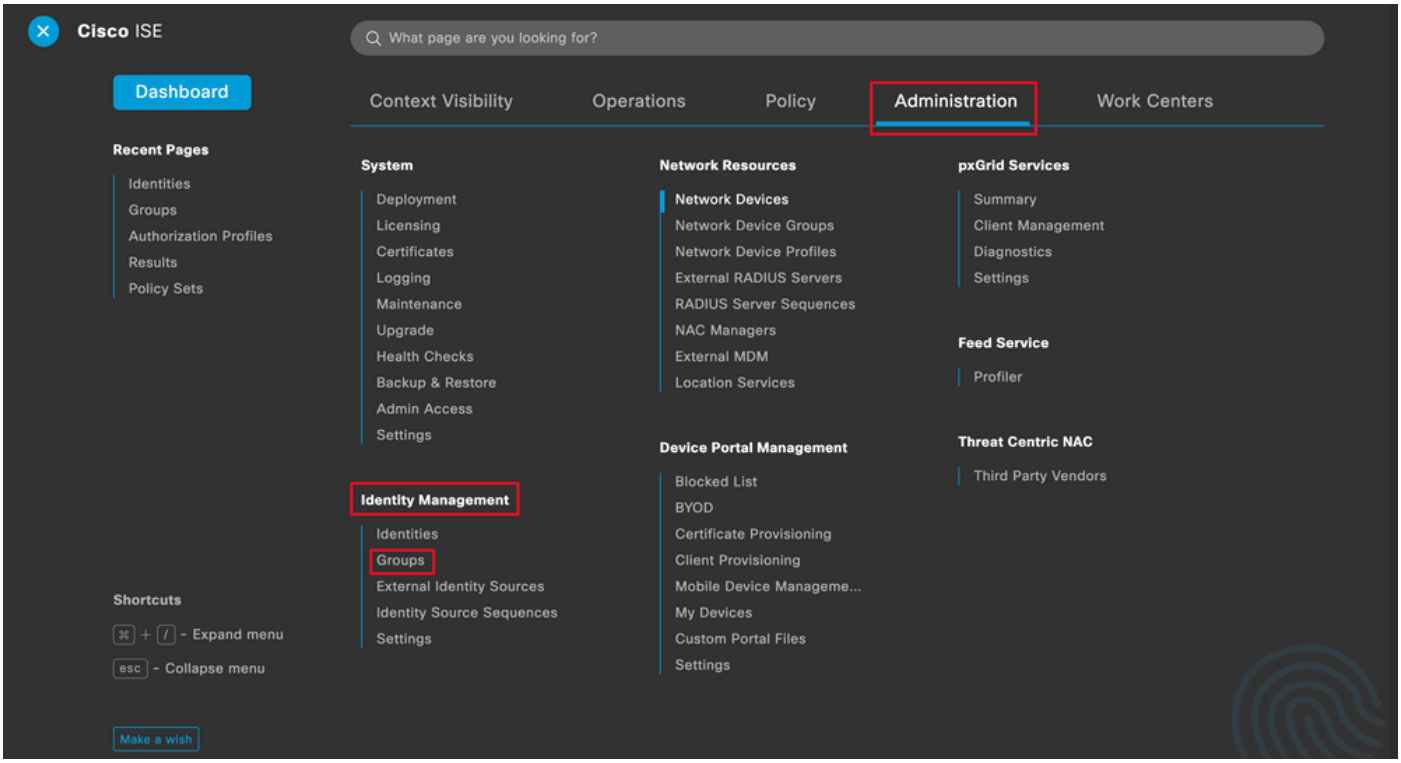
Nome e endereço IP



Senha Radius

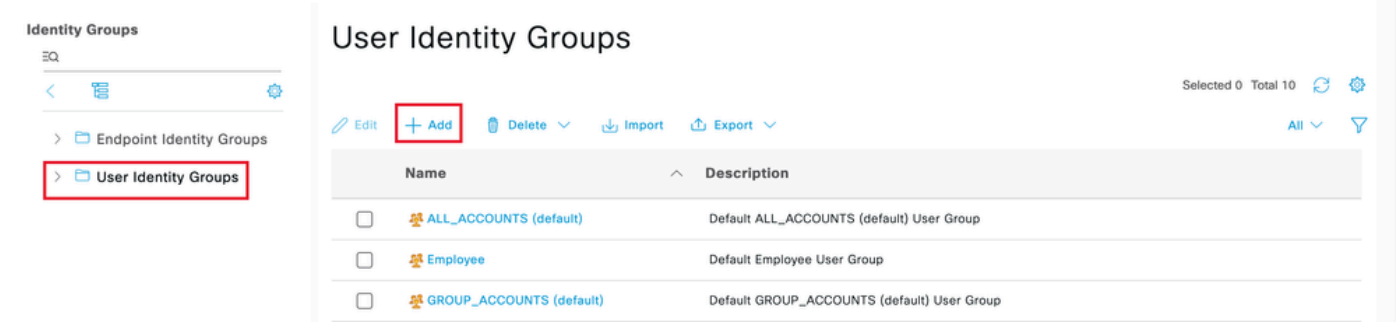
Click Save.

Etapa 3. Navegue até Administração > Gerenciamento de identidades > Grupos:



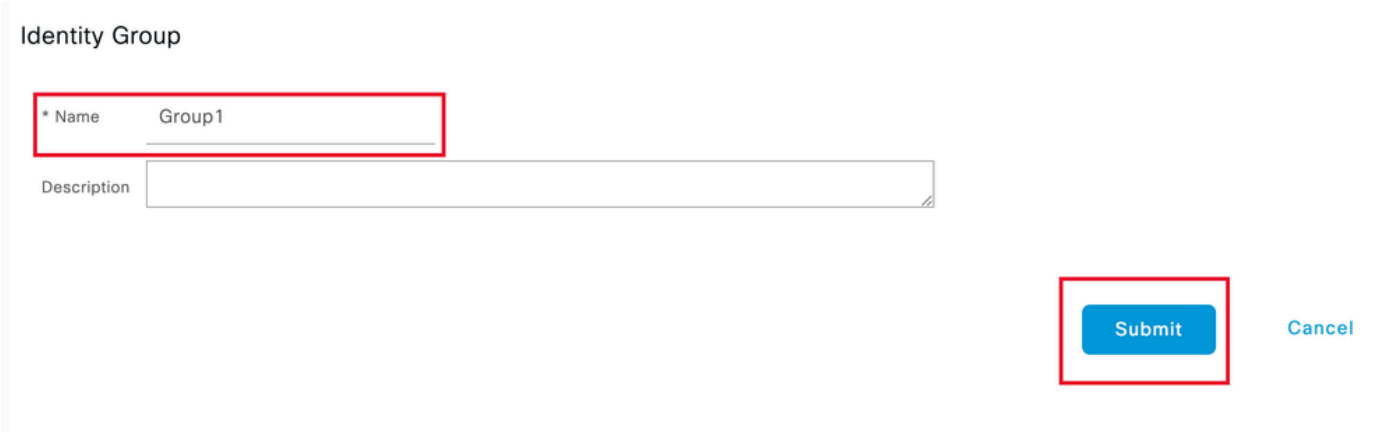
Menu geral do ISE

Etapa 4. Clique em User Identity Groups e, em seguida, clique em Add:

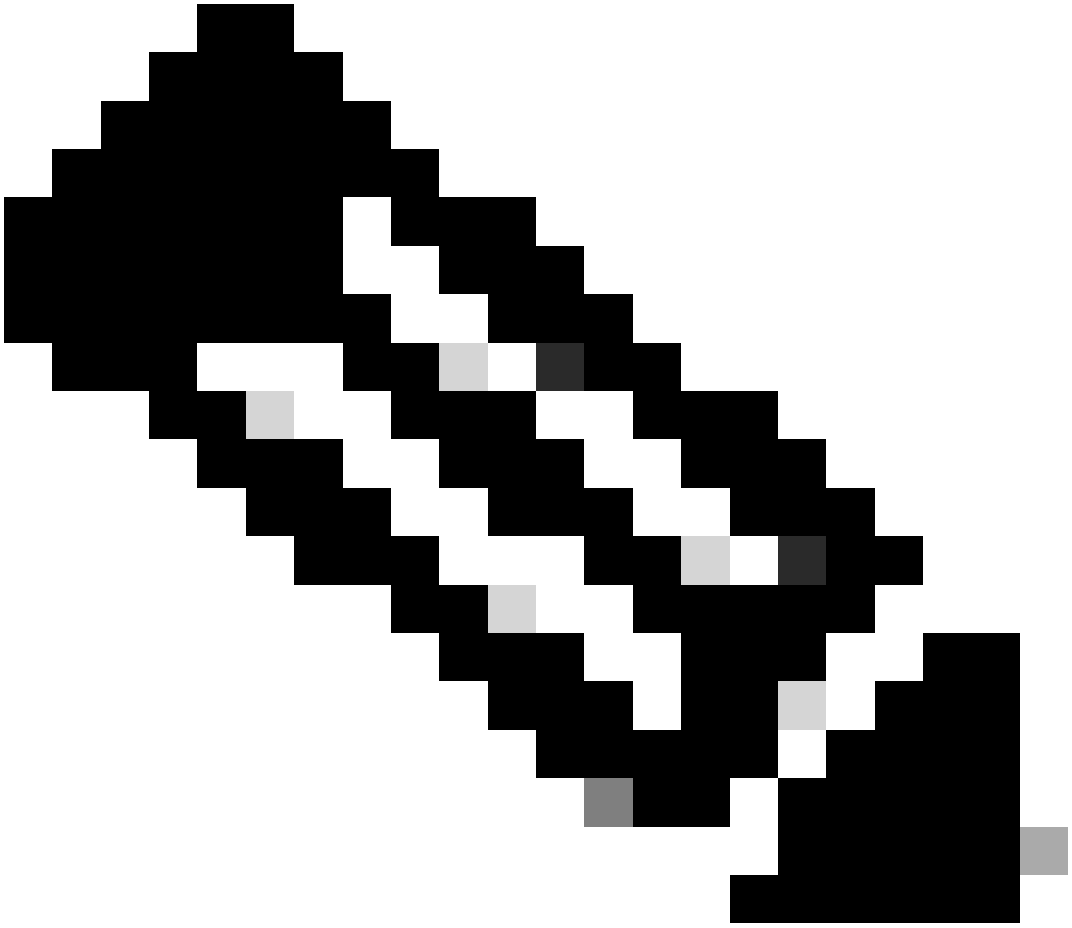


Adicionar um novo grupo

Insira o Nome do grupo e clique em Enviar.

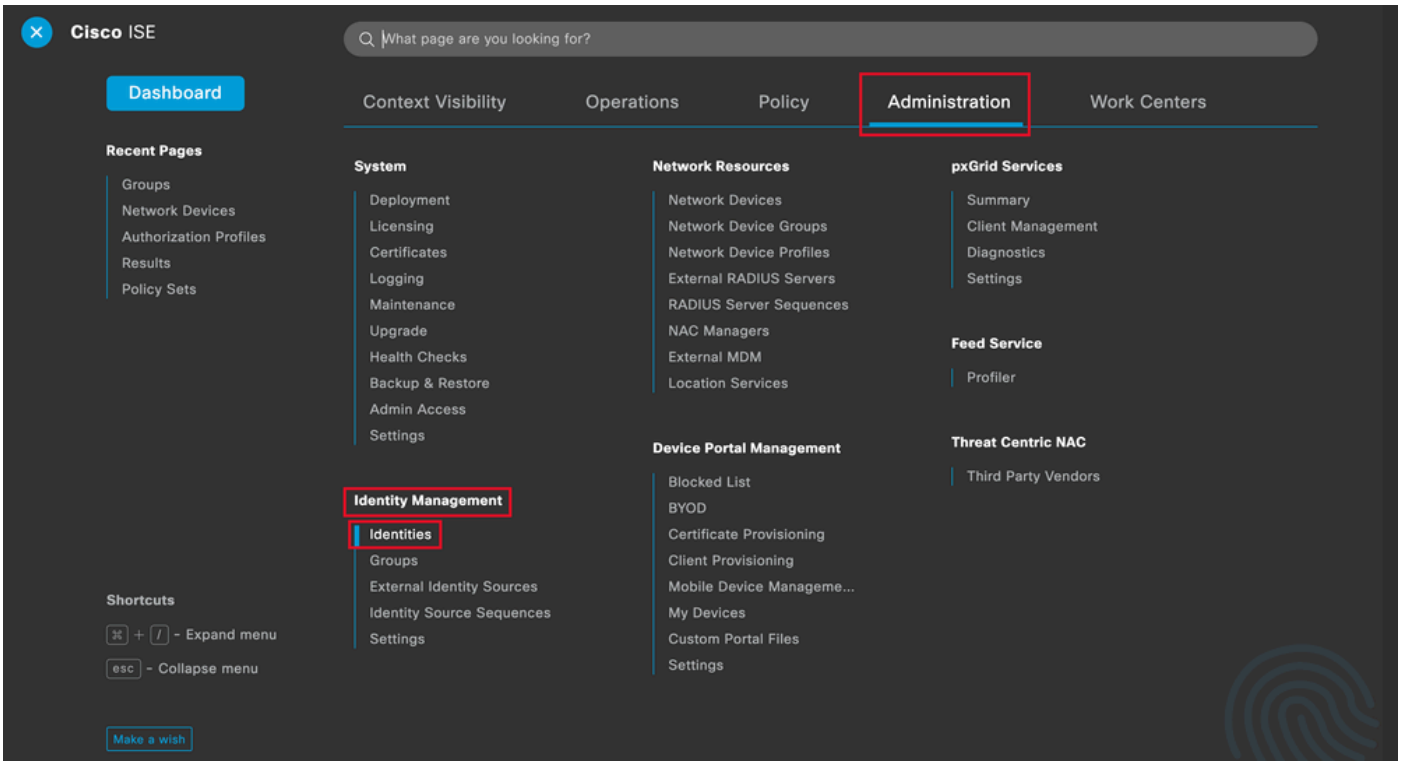


Informações do grupo



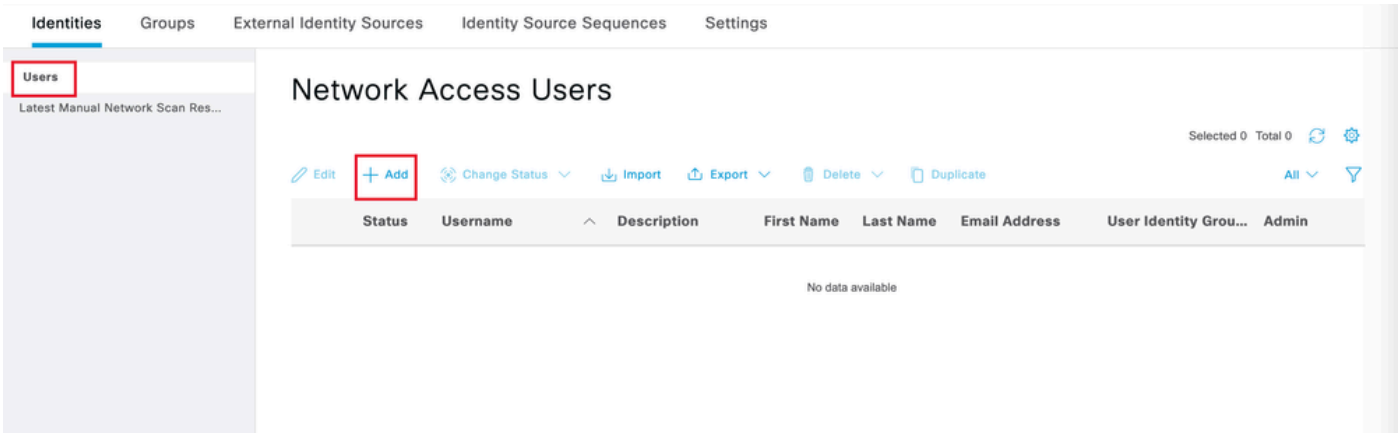
Observação: repita as etapas 3 e 4 para criar quantos grupos forem necessários.

Etapa 5. Navegue até Administração > Gerenciamento de identidades > Identidades:



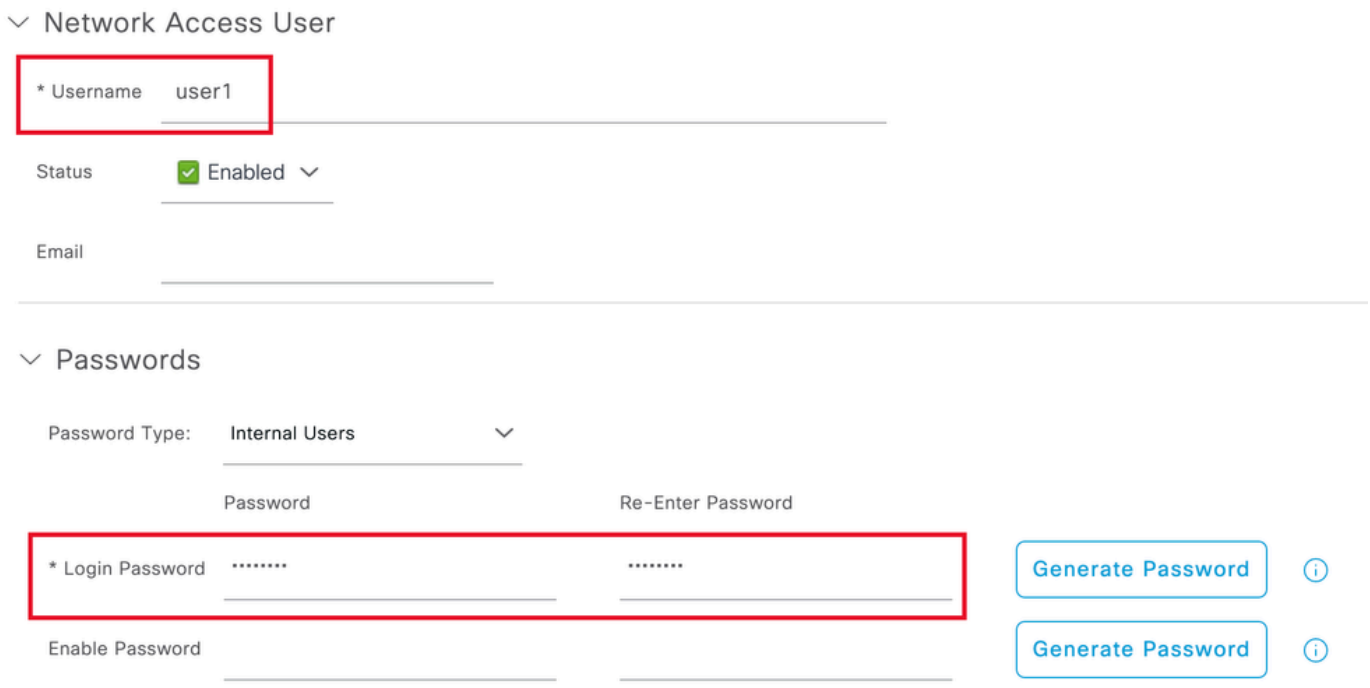
Menu geral do ISE

Etapa 6. Clique em Add para criar um novo usuário no banco de dados local do servidor:

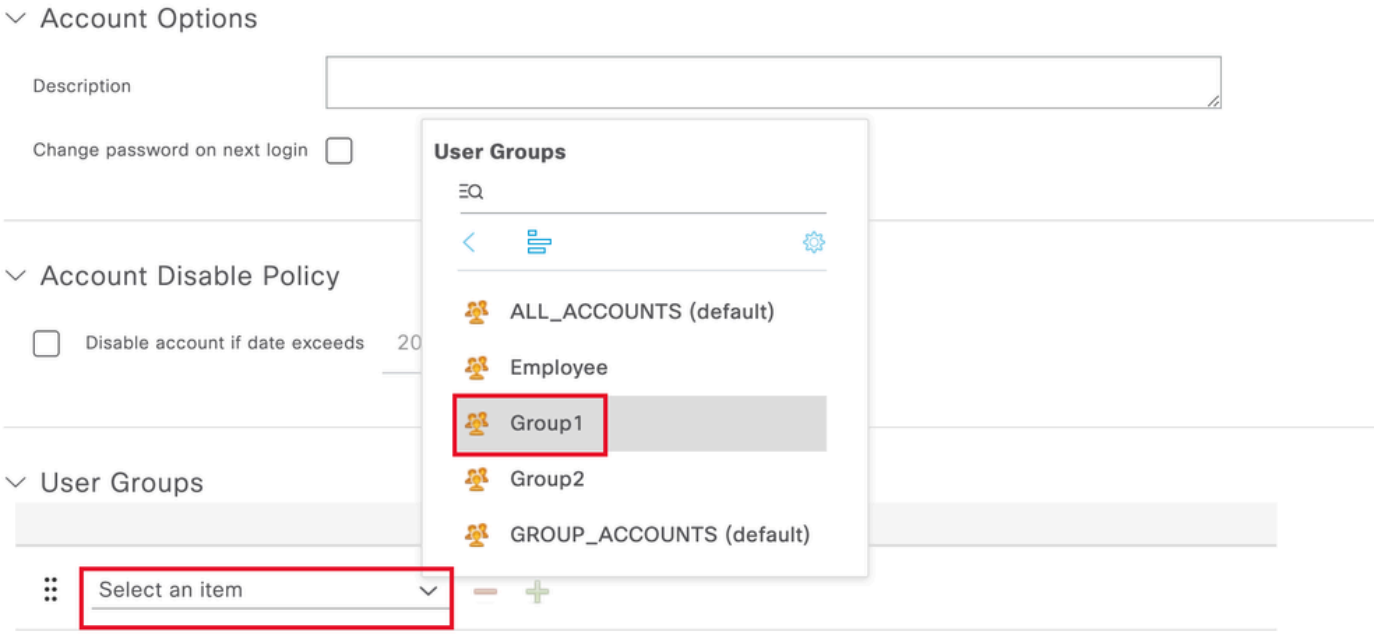


Adicionar um usuário

Insira o nome de usuário e a senha de login. Em seguida, navegue até o final desta página e selecione o Grupo de usuários:

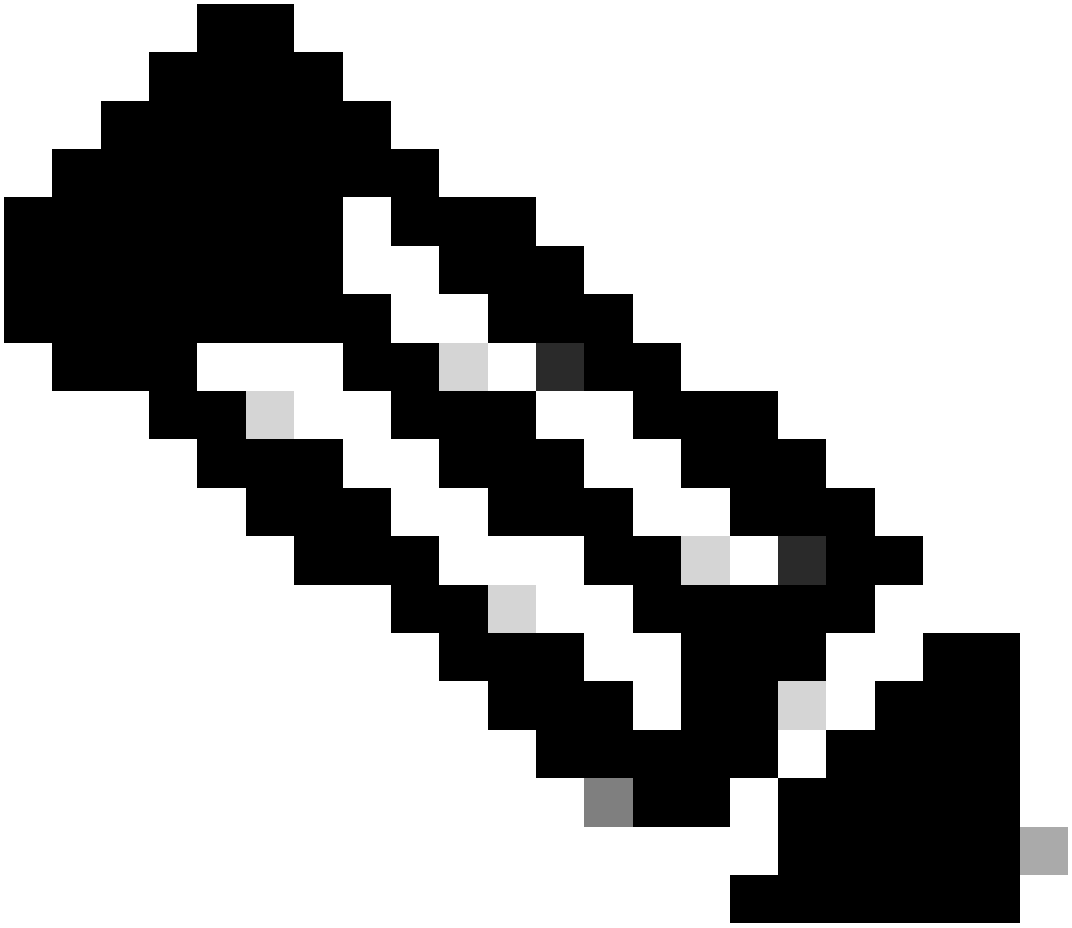


Nome de usuário e senha



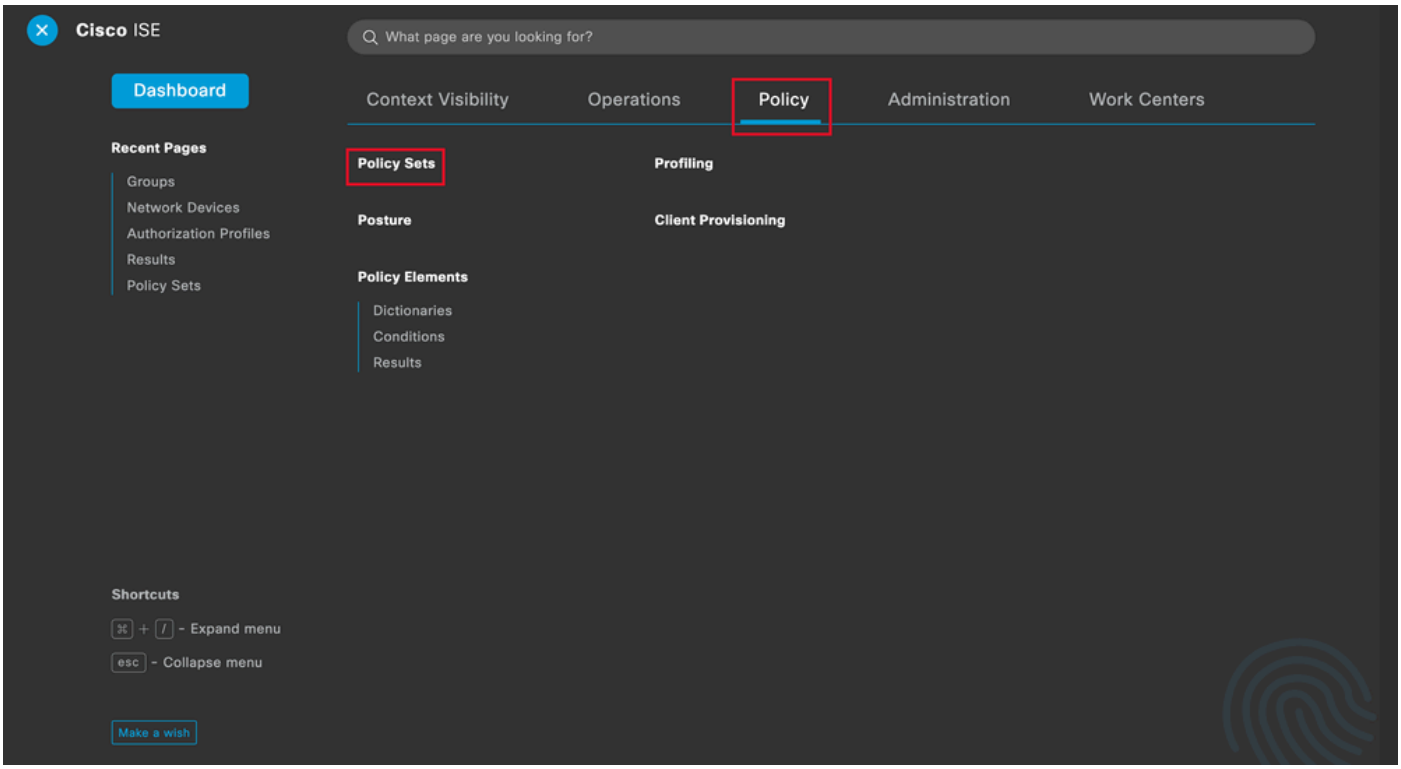
Atribuir o grupo correto ao usuário

Click Save.



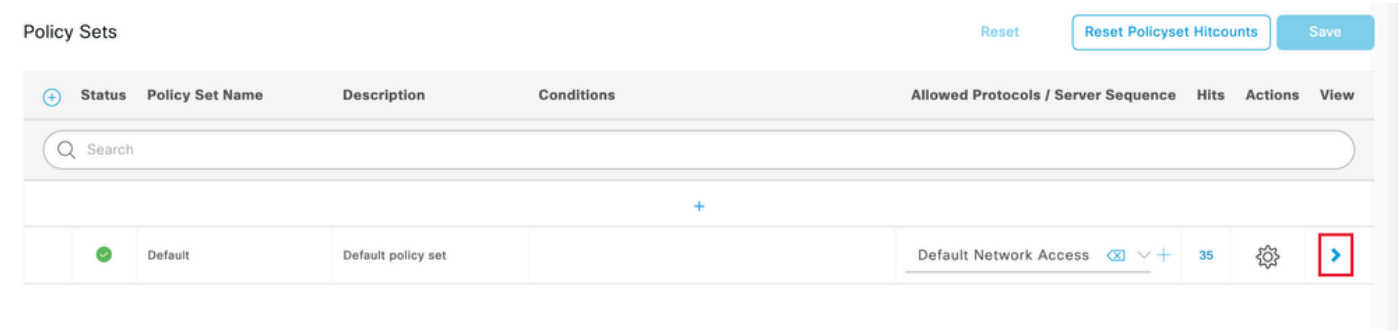
Observação: Repita as etapas 5 e 6 para criar os usuários necessários e atribuí-los ao grupo correspondente.

Etapa 7. Navegue até Política > Conjuntos de Políticas:



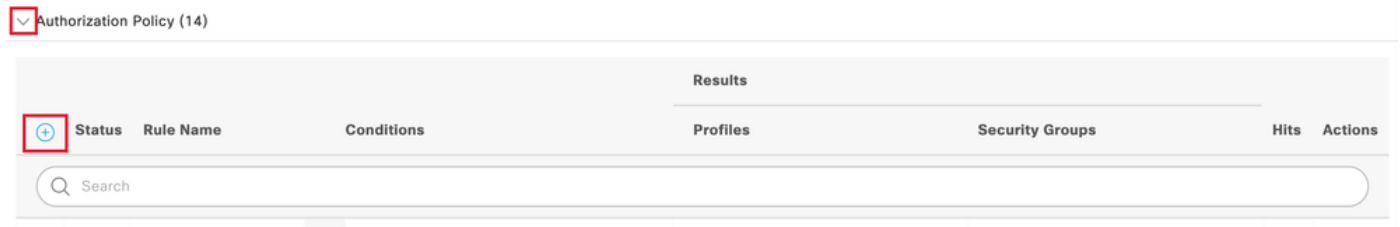
Menu geral do ISE

Selecione a política de autorização padrão clicando na seta no lado direito da tela:



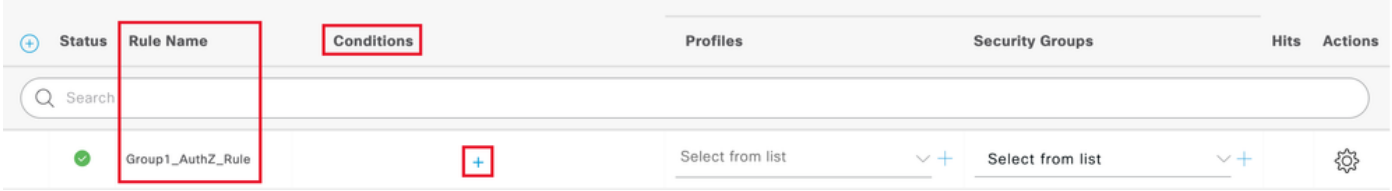
Selecione a Política de Autorização

Etapa 8. Clique na seta do menu suspenso ao lado deDiretiva de autorização para expandi-la. Em seguida, clique no ícone add (+) para adicionar uma nova regra:



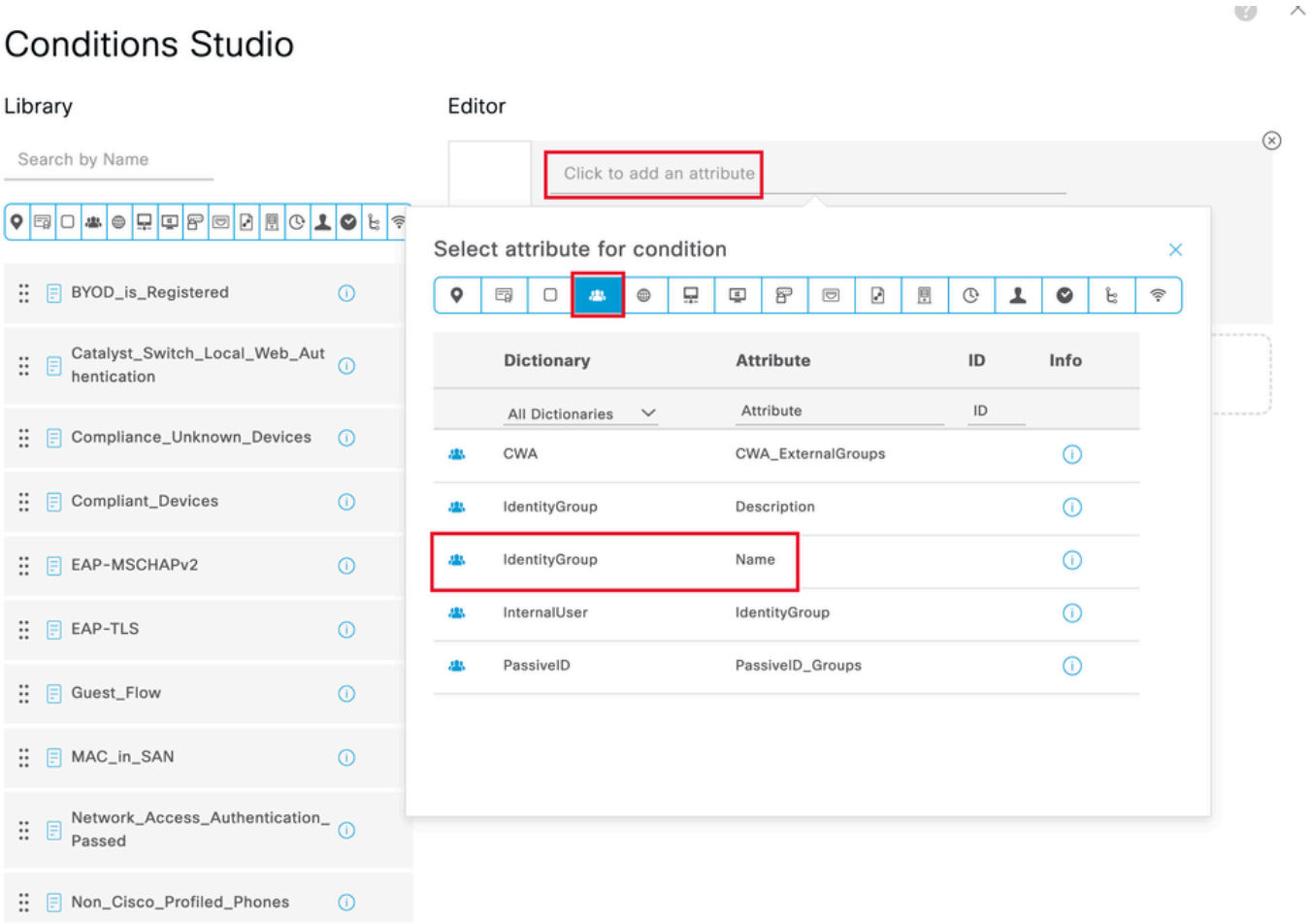
Adicionar uma nova regra de autorização

Digite o nome da regra e selecione o ícone adicionar (+) na coluna Condições:



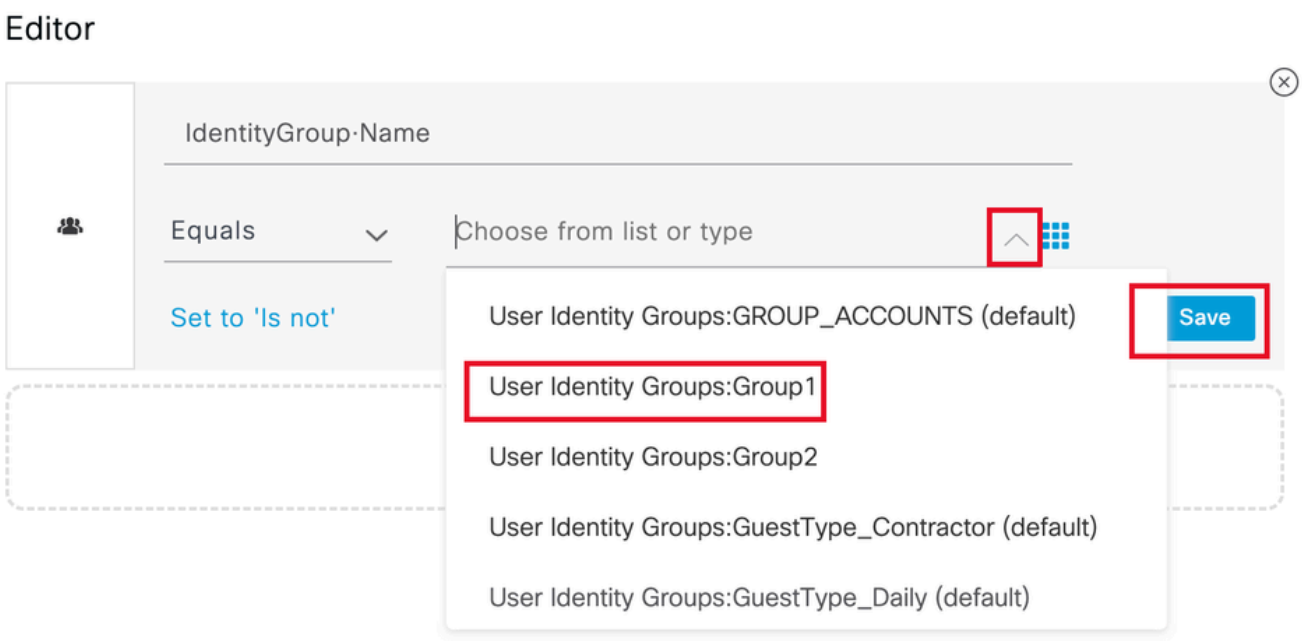
Adicionar uma Condição

Etapa 9. Clique na caixa de texto Editor de atributos e clique no ícone de grupo Identidade. Selecione o atributo Grupo de identidade - Nome:



Selecione a Condição

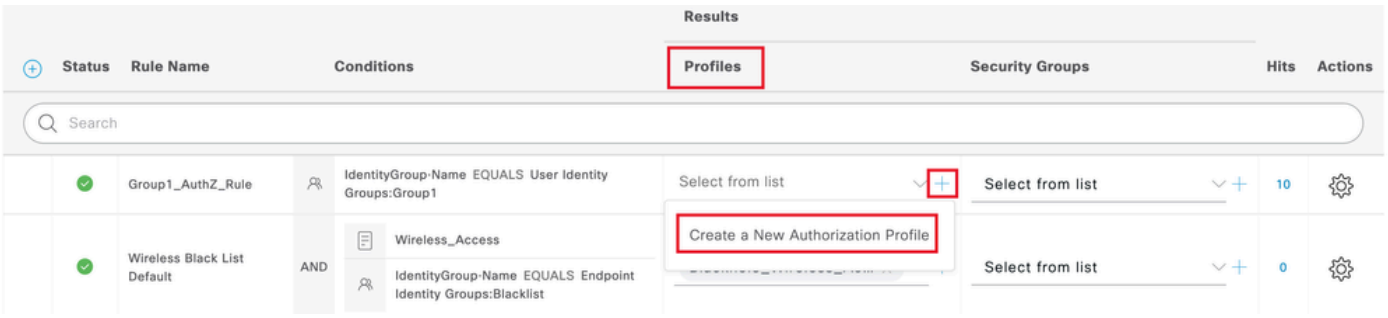
SelecioneIgual como o operador e, em seguida, clique na seta do menu suspenso para mostrar as opções disponíveis e selecione User Identity Groups:<GROUP_NAME>.



Selecione o grupo

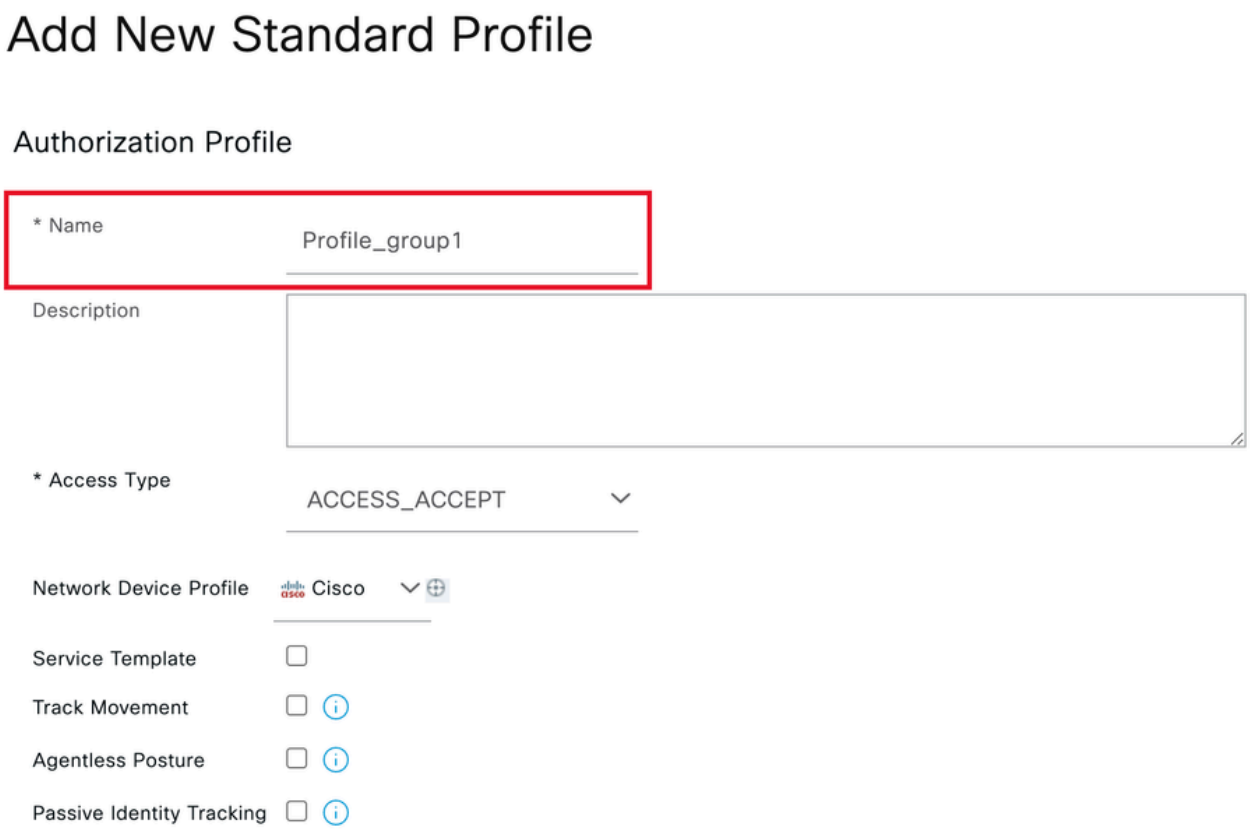
Click Save.

Etapa 10. Na coluna Profiles, clique no ícone add (+) e escolha Create a New Authorization Profile:



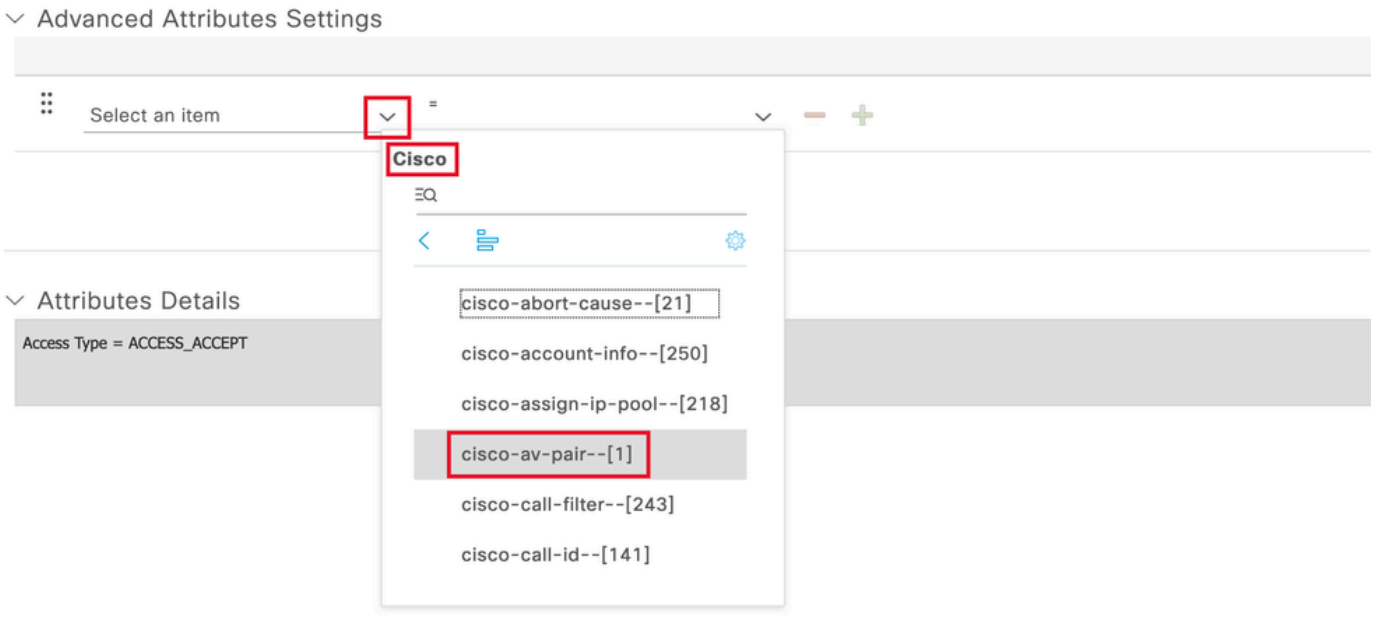
Criar o Perfil de Autorização

Insira o nome do perfil



Informações de perfil

Navegue até o final desta página em Advanced Attribute Settings e clique na seta do menu suspenso. Em seguida, clique em Cisco e selecione cisco-av-pair—[1]:

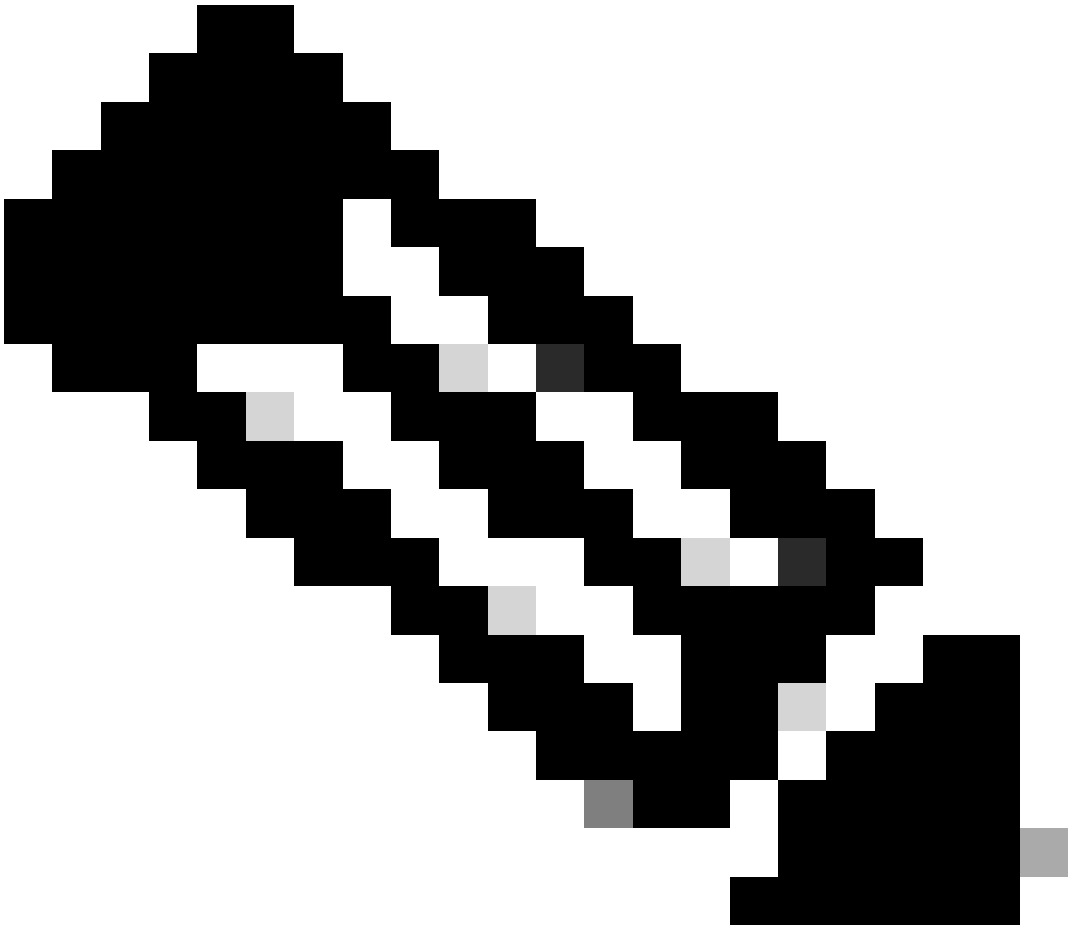


Selecione o Tipo de Atributo

.

Adicione o atributo cisco-av-pair que deseja configurar e clique no ícone add (+) para adicionar outro atributo:

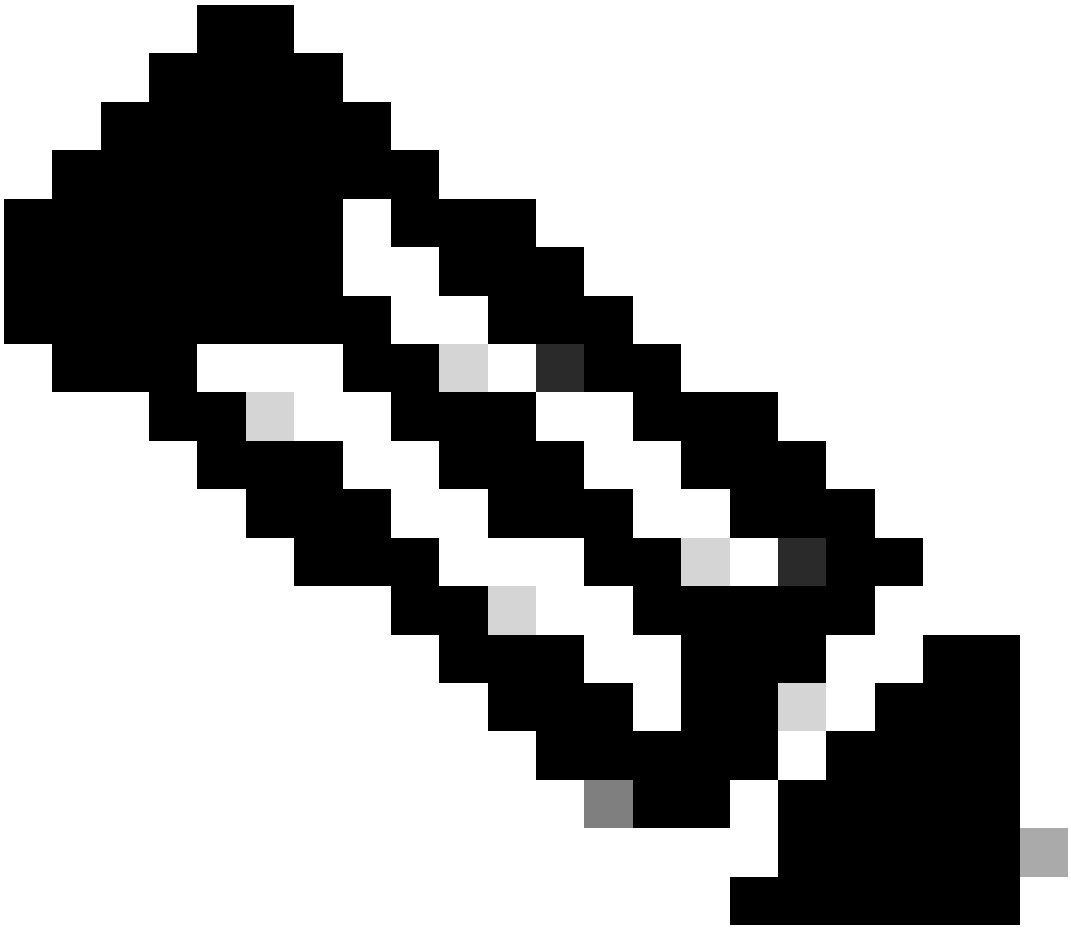
Configurar o Atributo



Observação: para obter as especificações de atributo (nome, sintaxe, descrição, exemplo, etc.), consulte o guia de configuração de atributos RADIUS FlexVPN:

Guia de configuração do FlexVPN e do Internet Key Exchange versão 2, Cisco IOS XE

Fuji 16.9.x - Atributos RADIUS suportados

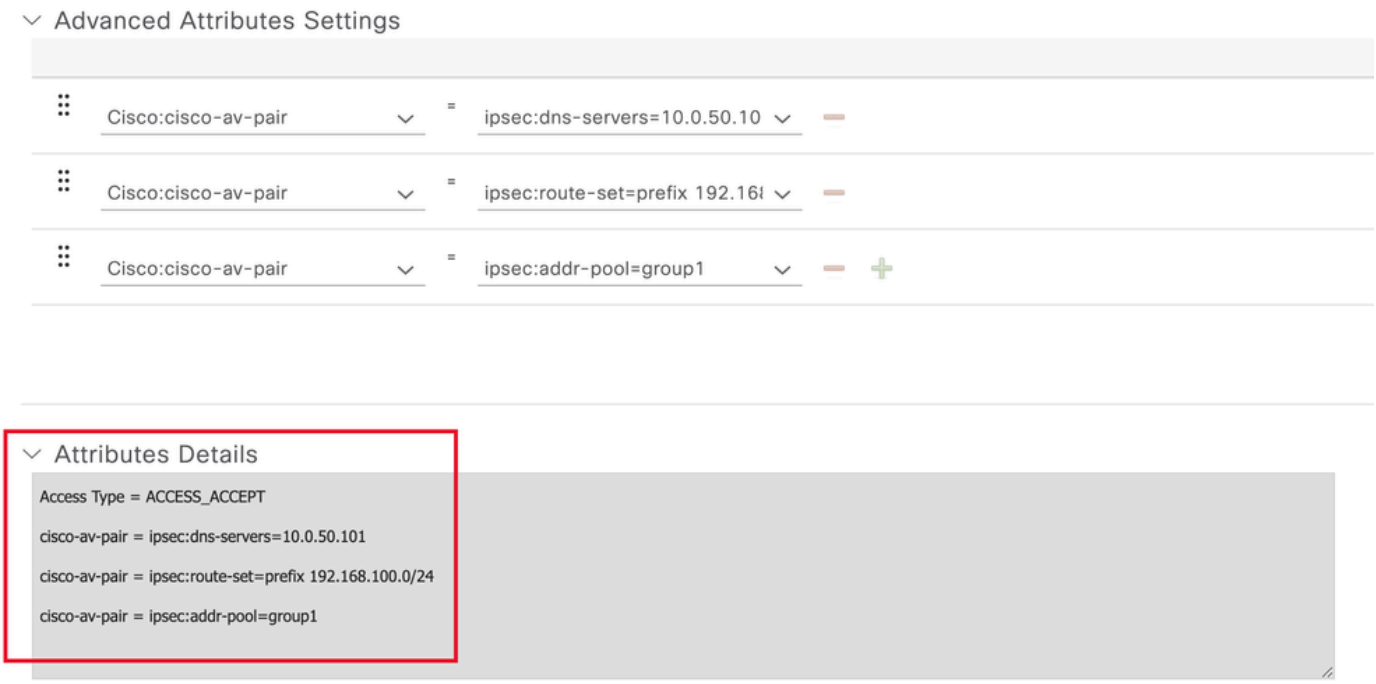


Observação: Repita a etapa anterior para criar os atributos necessários.

Click Save.

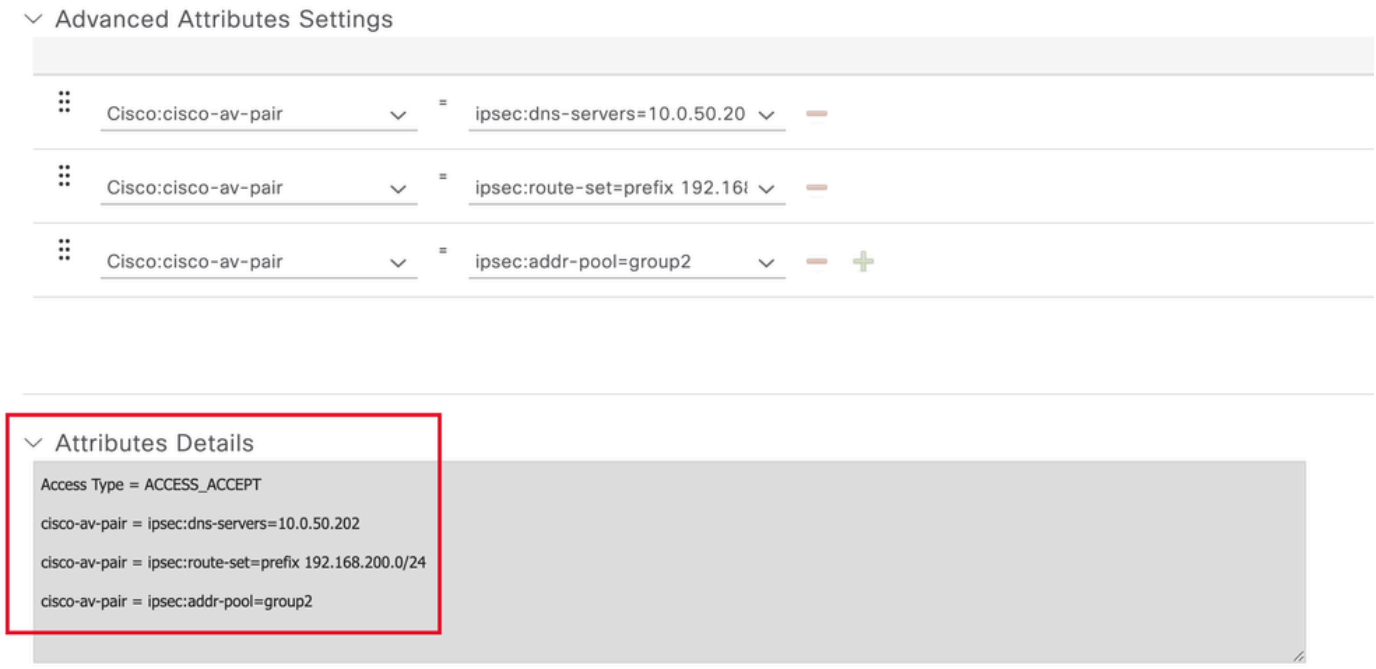
Os atributos que vêm em seguida foram atribuídos a cada grupo:

- Atributos do grupo 1:



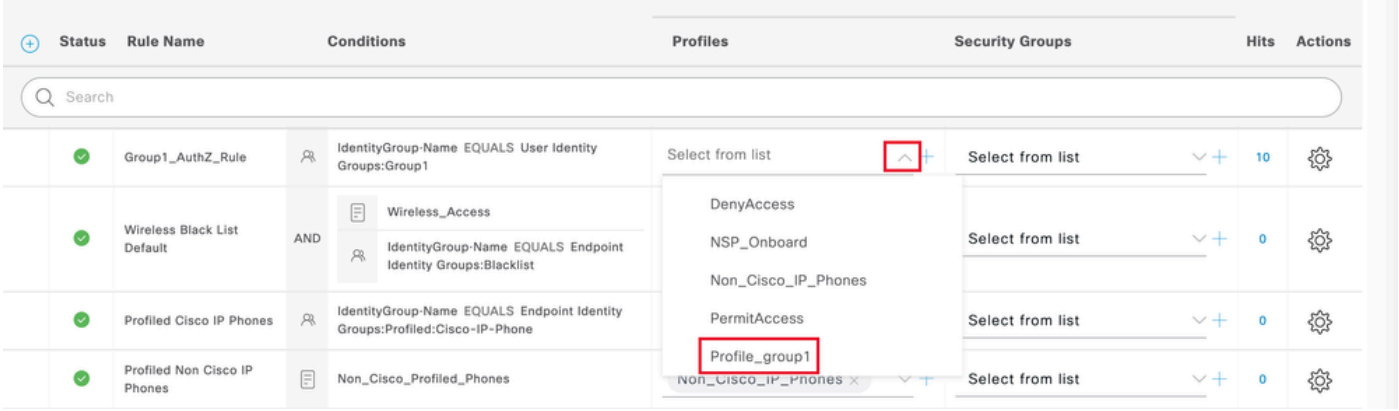
Atributo Group1

- Atributos do grupo 2:



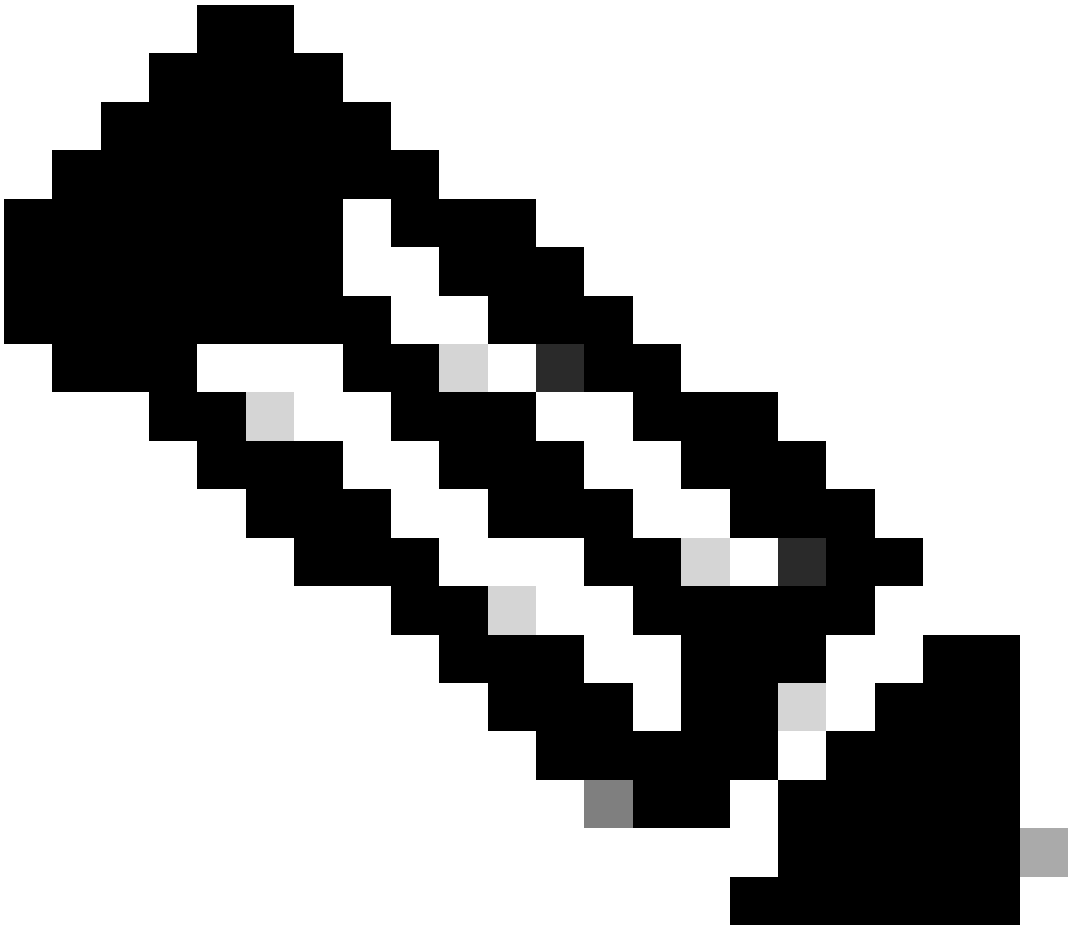
Atributos do Grupo2

Etapa 11. Clique na seta do menu suspenso e selecione o perfil de autorização criado na Etapa 10:



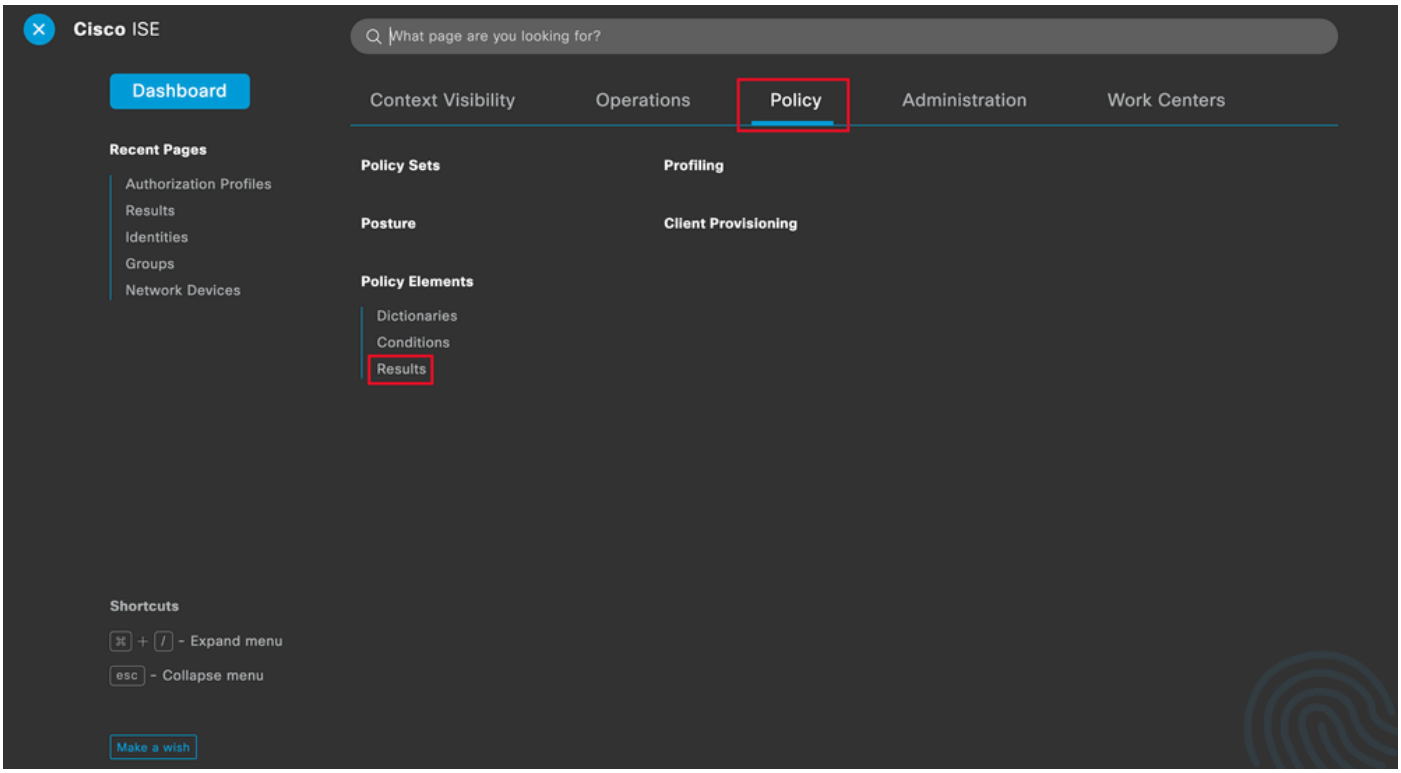
Atribuir perfil de autorização

Click Save.



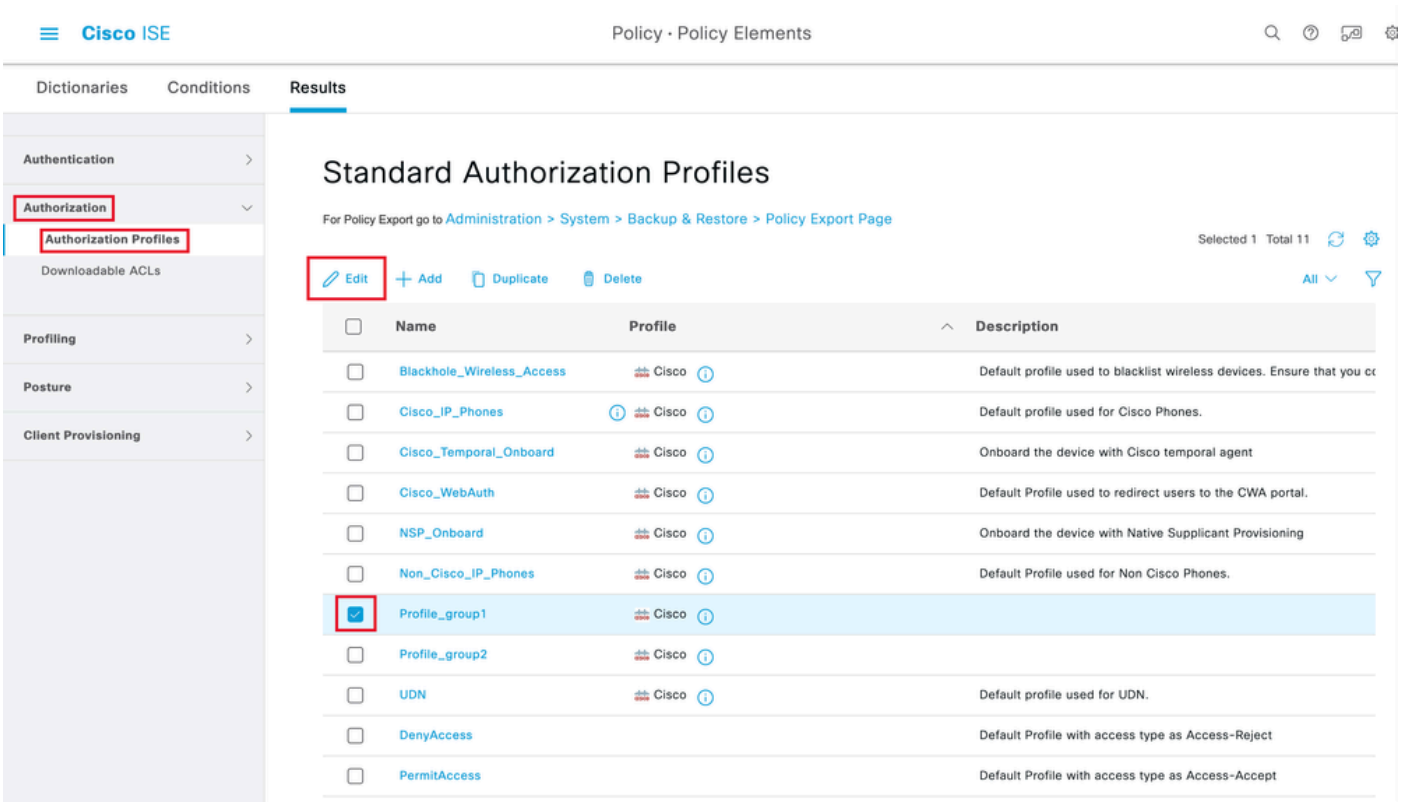
Observação: repita as etapas de 8 a 11 para criar as regras de autorização necessárias para cada grupo.

Etapa 12 (opcional). Se você precisar editar o perfil de autorização, navegue para Política > Resultados:



Menu geral do ISE

Navegue até Autorização > Perfis de autorização. Clique na caixa de seleção do perfil que deseja modificar e, em seguida, clique em Edit:



Editar o perfil de autorização

Configuração do Cliente

Etapa 1. Crie um perfil XML usando o editor de perfil XML. Este exemplo é aquele usado para a criação deste documento:

<#root>

```
<AnyConnectProfile xmlns="http://schemas.xmlsoap.org/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSc
<ClientInitialization>
<UseStartBeforeLogon UserControllable="true">true</UseStartBeforeLogon>
<AutomaticCertSelection UserControllable="false">true</AutomaticCertSelection>
<ShowPreConnectMessage>false</ShowPreConnectMessage>
<CertificateStore>All</CertificateStore>
<CertificateStoreMac>All</CertificateStoreMac>
<CertificateStoreLinux>All</CertificateStoreLinux>
<CertificateStoreOverride>true</CertificateStoreOverride>
<ProxySettings>Native</ProxySettings>
<AllowLocalProxyConnections>true</AllowLocalProxyConnections>
<AuthenticationTimeout>30</AuthenticationTimeout>
<AutoConnectOnStart UserControllable="true">false</AutoConnectOnStart>
<MinimizeOnConnect UserControllable="true">true</MinimizeOnConnect>
<LocalLanAccess UserControllable="true">false</LocalLanAccess>
<DisableCaptivePortalDetection UserControllable="true">false</DisableCaptivePortalDetection>
<ClearSmartcardPin UserControllable="false">true</ClearSmartcardPin>
<IPProtocolSupport>IPv4,IPv6</IPProtocolSupport>
<AutoReconnect UserControllable="false">
true
<AutoReconnectBehavior UserControllable="false">ReconnectAfterResume</AutoReconnectBehavior>
</AutoReconnect>
<SuspendOnConnectedStandby>false</SuspendOnConnectedStandby>
<AutoUpdate UserControllable="false">true</AutoUpdate>
<RSASecurIDIntegration UserControllable="false">Automatic</RSASecurIDIntegration>
<WindowsLogonEnforcement>SingleLocalLogon</WindowsLogonEnforcement>
<LinuxLogonEnforcement>SingleLocalLogon</LinuxLogonEnforcement>
<WindowsVPNEstablishment>AllowRemoteUsers</WindowsVPNEstablishment>
<LinuxVPNEstablishment>LocalUsersOnly</LinuxVPNEstablishment>
<AutomaticVPNPolicy>false</AutomaticVPNPolicy>
<PPPExclusion UserControllable="false">
Disable
<PPPExclusionServerIP UserControllable="false"/>
</PPPExclusion>
<EnableScripting UserControllable="false">false</EnableScripting>
<EnableAutomaticServerSelection UserControllable="false">
false
<AutoServerSelectionImprovement>20</AutoServerSelectionImprovement>
<AutoServerSelectionSuspendTime>4</AutoServerSelectionSuspendTime>
</EnableAutomaticServerSelection>
<RetainVpnOnLogoff>false </RetainVpnOnLogoff>
<CaptivePortalRemediationBrowserFailover>false</CaptivePortalRemediationBrowserFailover>
<AllowManualHostInput>true</AllowManualHostInput>
</ClientInitialization>
<ServerList>
<HostEntry>
<HostName>
```

FlexVPN HUB

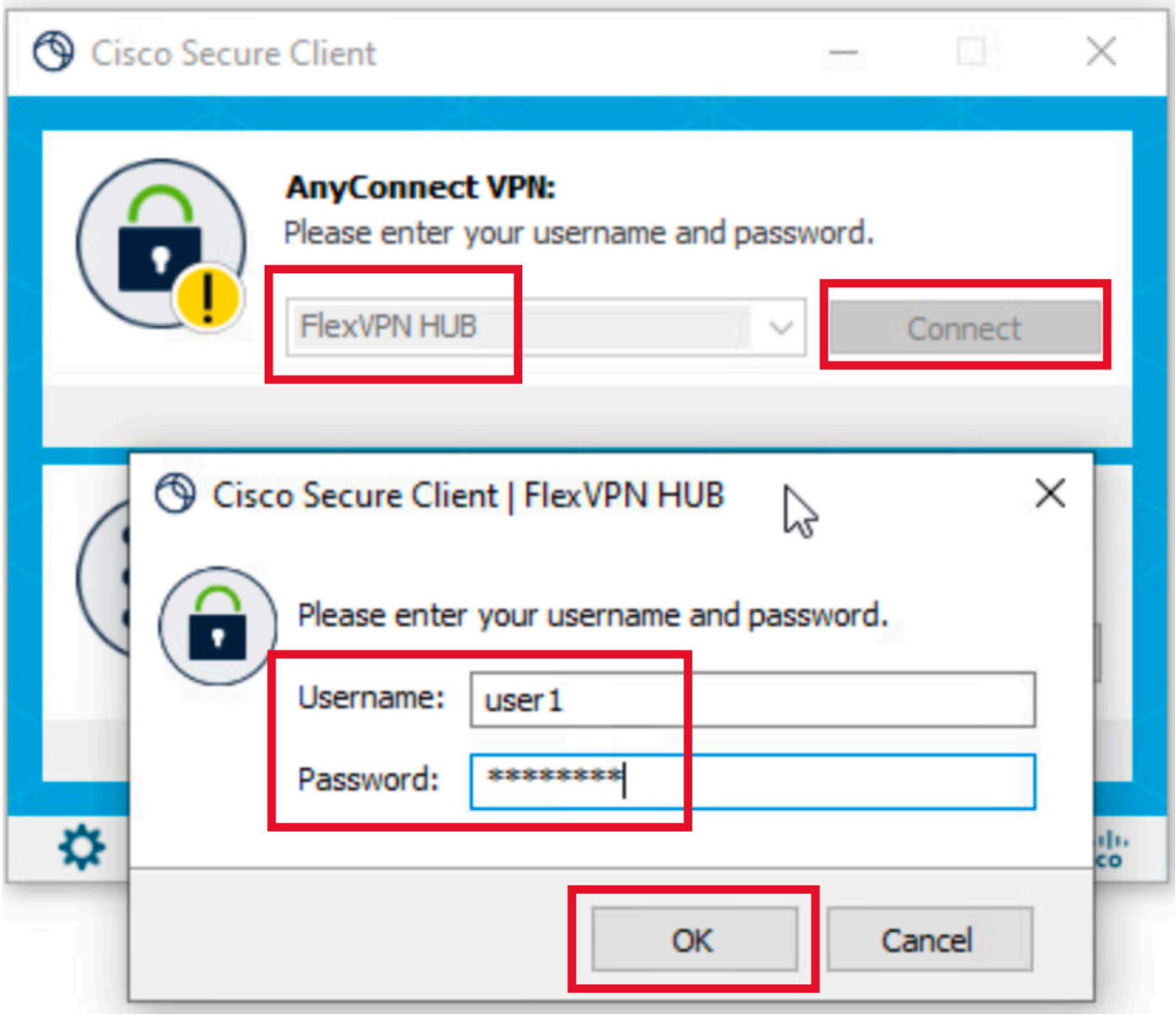
```
</HostName>
<HostAddress>
```

```
192.168.50.225

</HostAddress>
<PrimaryProtocol>

IPsec


<StandardAuthenticationOnly>
true
<AuthMethodDuringIKENegotiation>

EAP-MD5

</AuthMethodDuringIKENegotiation>
<IKEIdentity>

cisco.example

</IKEIdentity>
</StandardAuthenticationOnly>
</PrimaryProtocol>
</HostEntry>
</ServerList>
</AnyConnectProfile>
```

- **<**HostName**>** - O alias usado para se referir ao host, endereço IP ou FQDN (Nome de domínio totalmente qualificado). Isso é exibido na caixa CSC.
- **<**HostAddress**>** - Endereço IP ou FQDN do hub FlexVPN.
- **<**PrimaryProtocol**>** - Deve ser definido como IPsec para forçar o cliente a usar IKEv2/IPsec em vez de SSL.
- **<**AuthMethodDuringIKENegotiation**>** - Deve ser definido para usar EAP-MD5 em EAP. Isso é necessário para autenticação no servidor ISE.
- **<**IKEIdentity**>** - Esta cadeia de caracteres é enviada pelo cliente como o payload de ID do tipo ID_GROUP. Isso pode ser usado para corresponder o cliente a um perfil IKEv2 específico no hub.

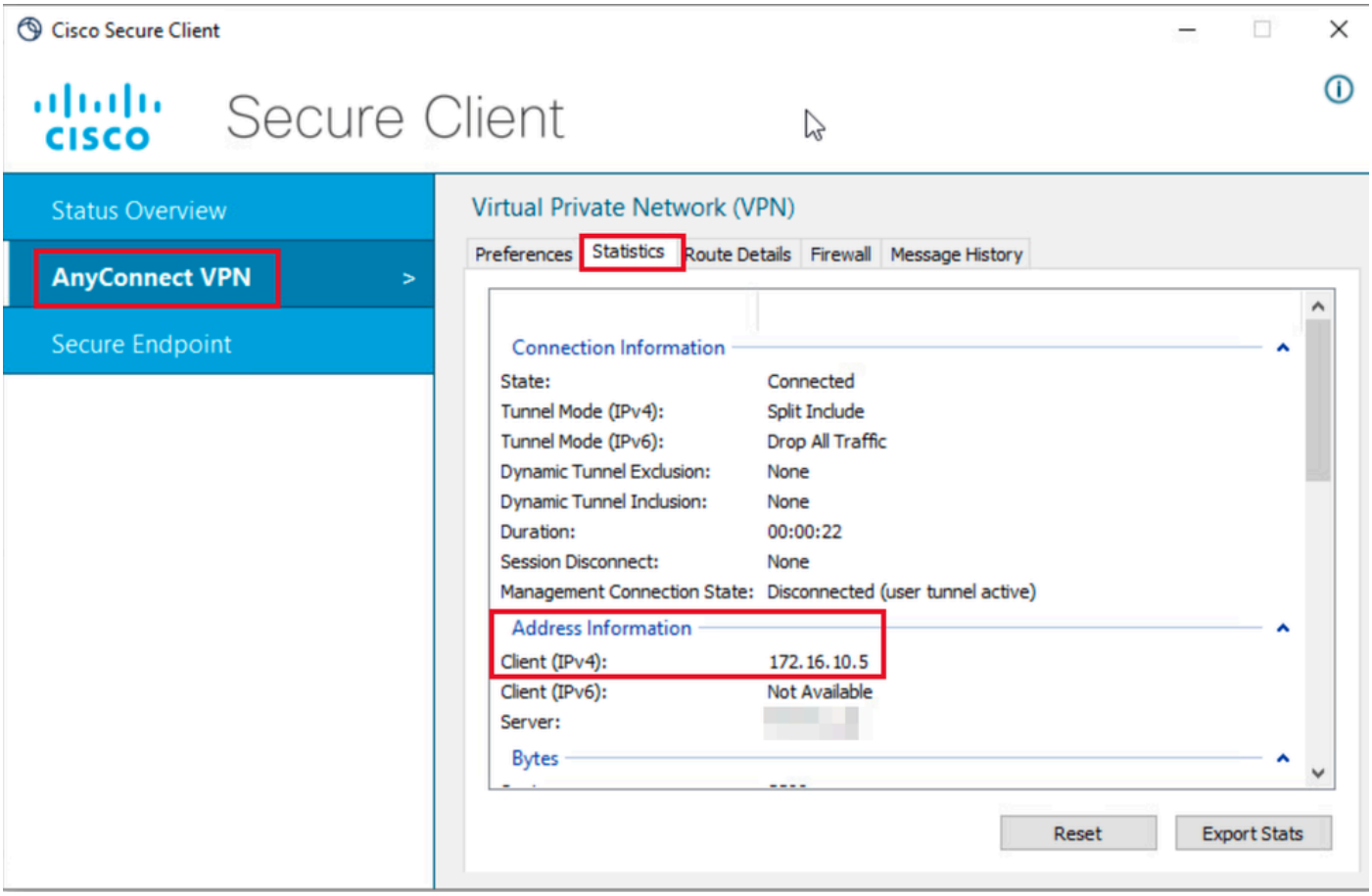
Verificar

Etapa 1. Navegue até a máquina do cliente na qual o CSC está instalado. Conecte-se ao hub FlexVPN e insira as credenciais do usuário1:



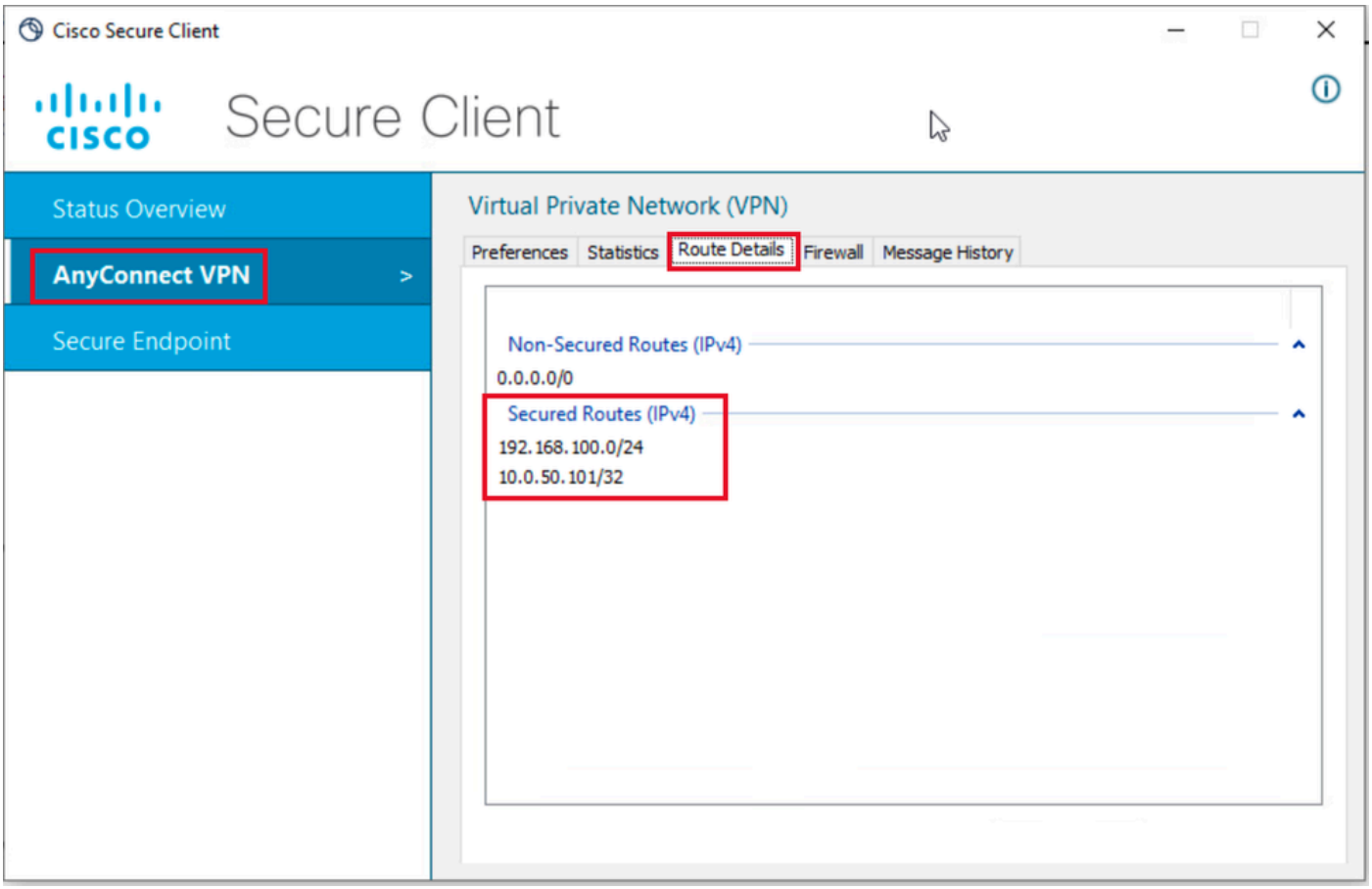
Credenciais do Usuário1

Etapa 2. Quando a conexão estiver estabelecida, clique no ícone de engrenagem (canto inferior esquerdo) e navegue para AnyConnectVPN > Statistics. Confirme na seção Informações de endereço que o endereço IP atribuído pertence ao pool configurado para group1:



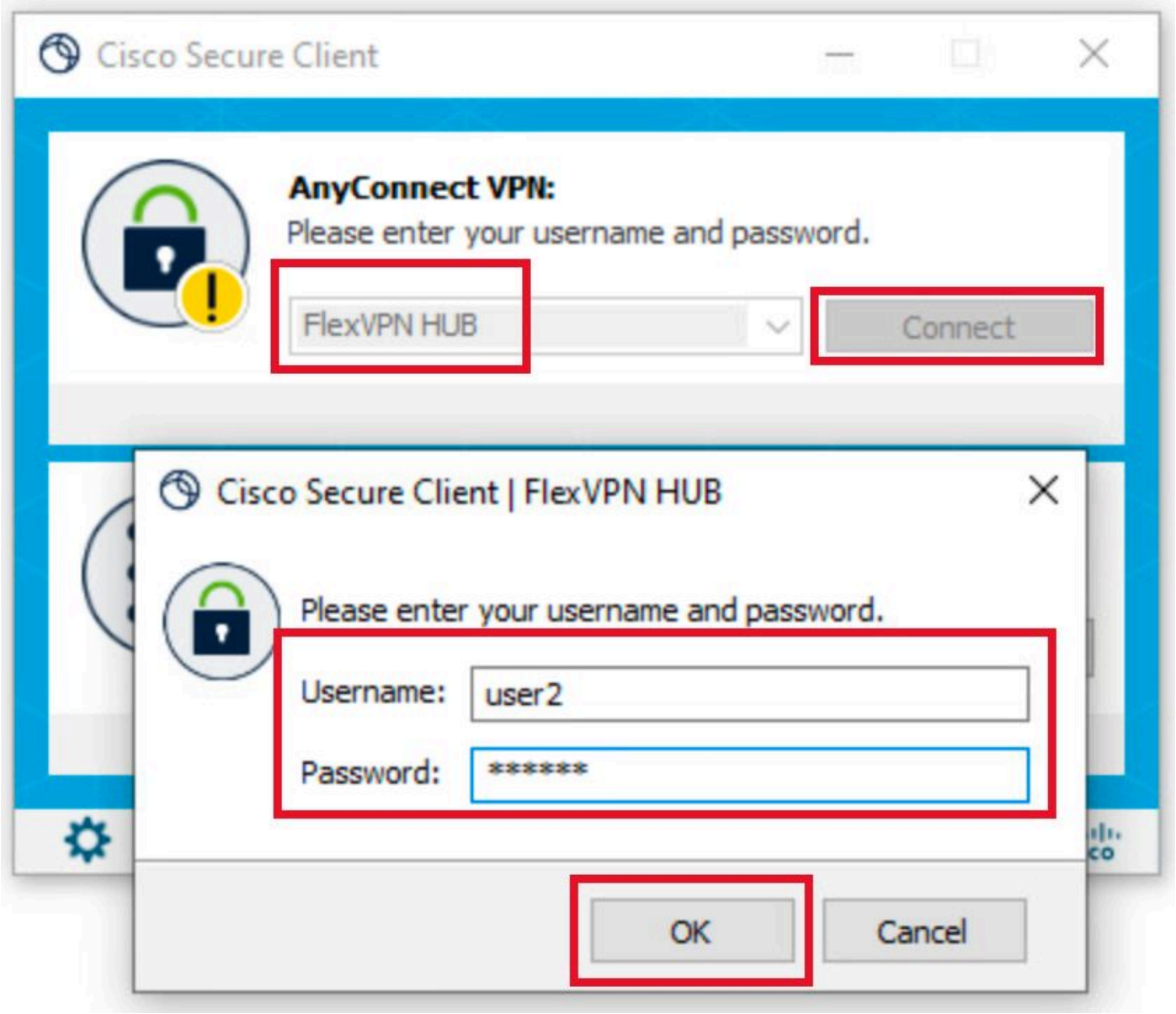
Estatísticas do Usuário1

Navegue para AnyConnectVPN > Route details e confirme se as informações exibidas correspondem às rotas seguras e ao DNS configurado para group1:

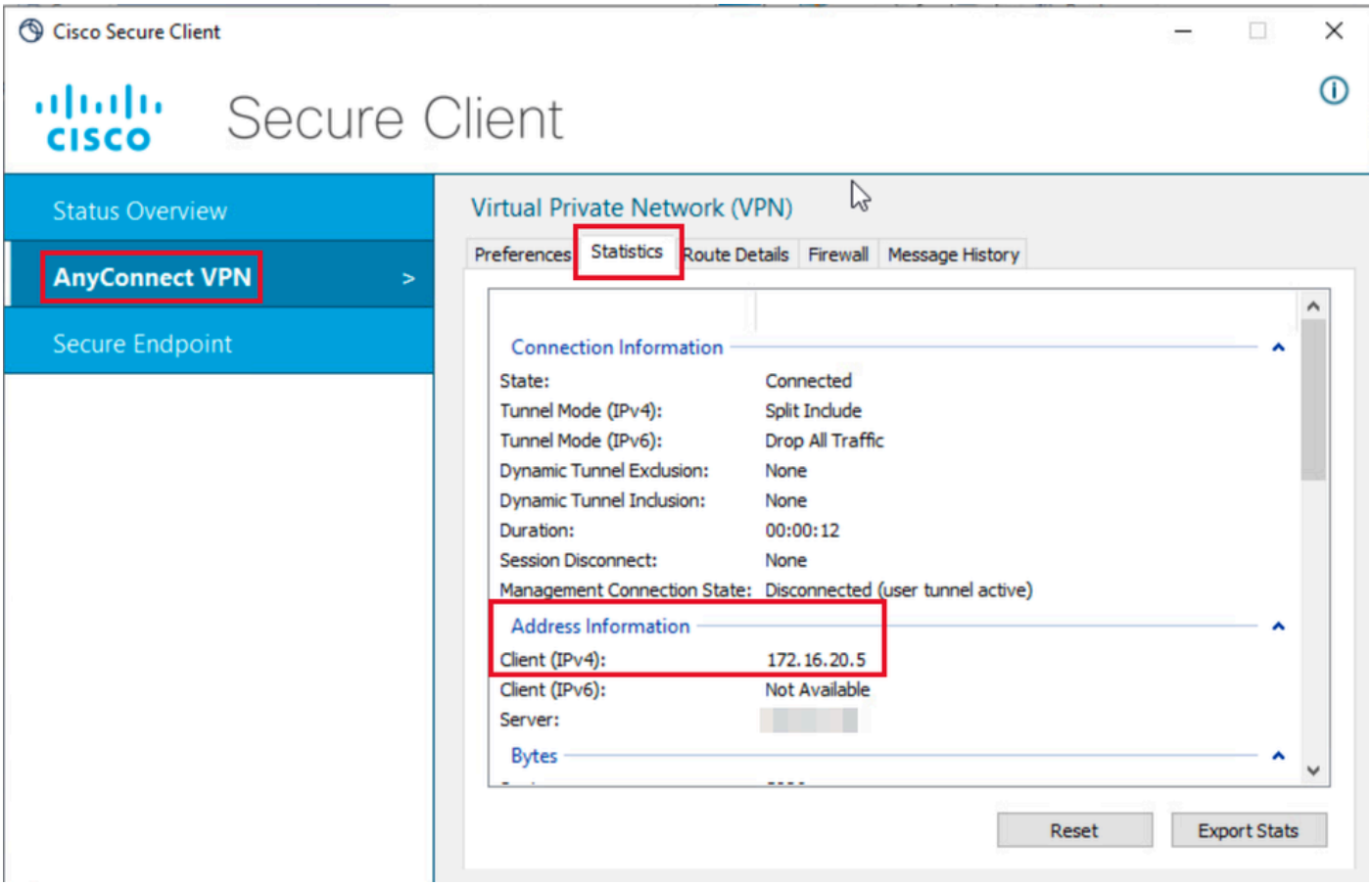


Detalhes da Rota do Usuário1

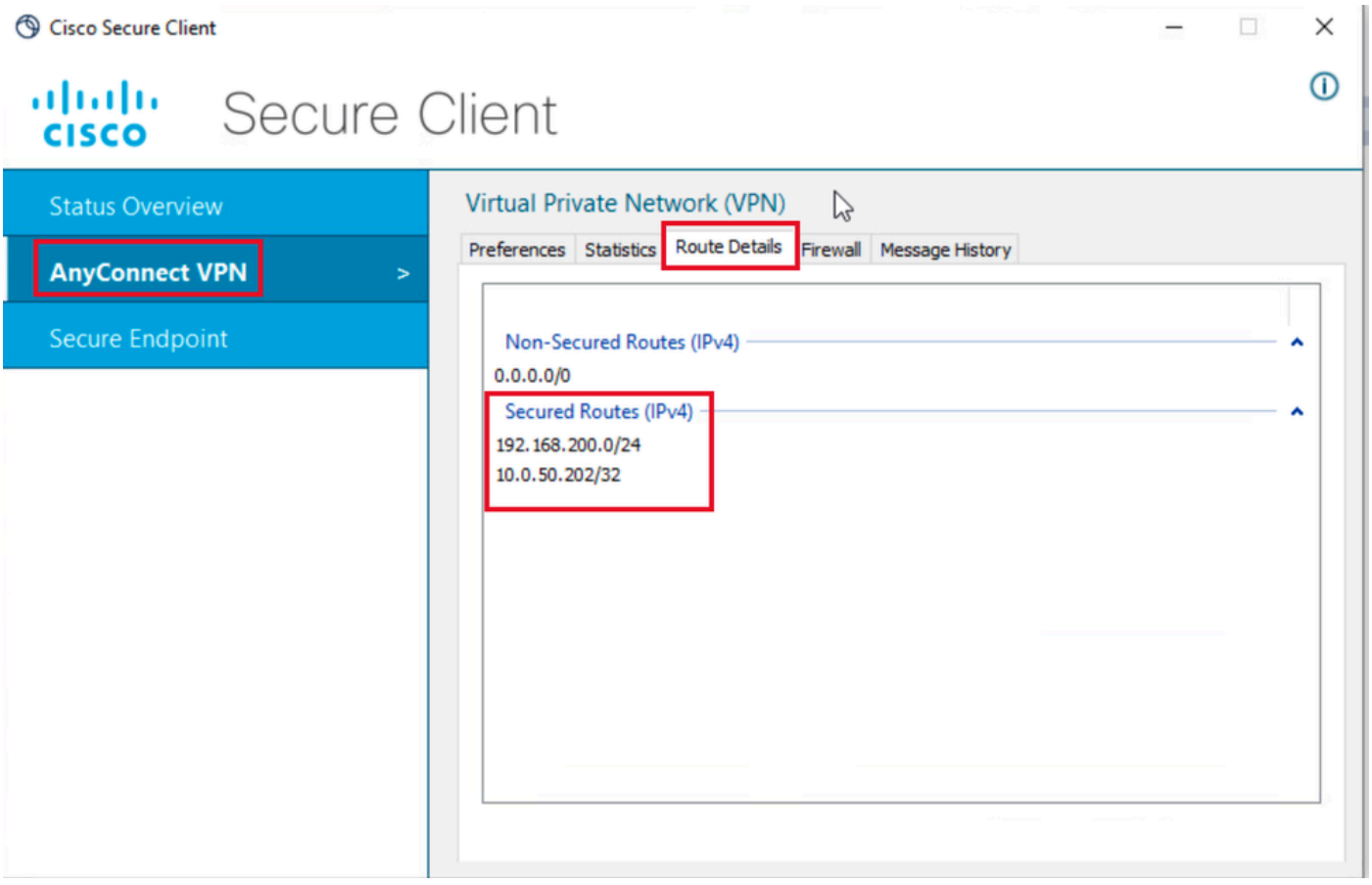
Etapa 3. Repita as etapas 1 e 2 com as credenciais do usuário2 para verificar se as informações correspondem aos valores configurados na política de autorização do ISE para este grupo:



Credenciais do Usuário2



Estatísticas do Usuário2



Detalhes da Rota do Usuário2

Troubleshooting

Depurações e logs

No roteador Cisco:

1. Use as depurações de IKEv2 e IPSec para verificar a negociação entre o headend e o cliente:

```
debug crypto ikev2
debug crypto ikev2 packet
debug crypto ikev2 error
debug crypto ikev2 internal
debug crypto ipsec
debug crypto ipsec error
```

2. Use depurações AAA para verificar a atribuição de atributos locais e/ou remotos:

```
debug aaa authorization
debug aaa authentication
debug radius authentication
```

No ISE:

- Logs ao vivo RADIUS

Cenário de trabalho

As próximas saídas são exemplos de conexões bem-sucedidas:

- Saída de depuração do usuário1:

<#root>

```
Jan 30 02:57:21.088: AAA/BIND(000000FF): Bind i/f
Jan 30 02:57:21.088: AAA/AUTHEN/LOGIN (000000FF):
```

Pick method list 'FlexVPN-Authentication-List'

```
Jan 30 02:57:21.088: RADIUS/ENCODE(000000FF):Orig. component type = VPN IPSEC
Jan 30 02:57:21.088: RADIUS/ENCODE(000000FF): dropping service type, "radius-server attribute 6 on-for-
Jan 30 02:57:21.088: RADIUS(000000FF): Config NAS IP: 0.0.0.0
Jan 30 02:57:21.088: vrfid: [65535] ipv6 tableid : [0]
Jan 30 02:57:21.088: idb is NULL
Jan 30 02:57:21.088: RADIUS(000000FF): Config NAS IPv6: ::
```

```
Jan 30 02:57:21.089: RADIUS/ENCODE(000000FF): acct_session_id: 4245
Jan 30 02:57:21.089: RADIUS(000000FF): sending
Jan 30 02:57:21.089: RADIUS/ENCODE: Best Local IP-Address 192.168.30.100 for Radius-Server 192.168.30.1
Jan 30 02:57:21.089: RADIUS: Message Authenticator encoded
Jan 30 02:57:21.089: RADIUS(000000FF):
```

Send Access-Request to 192.168.30.110:1645 id 1645/85, len 229

```
RADIUS: authenticator C9 82 15 29 AF 4B 17 61 - 27 F4 5C 27 C2 C3 50 34
Jan 30 02:57:21.089: RADIUS: Service-Type [6] 6 Login [1]
Jan 30 02:57:21.089: RADIUS: Vendor, Cisco [26] 26
Jan 30 02:57:21.089: RADIUS: Cisco AVpair [1] 20 "service-type=Login"
Jan 30 02:57:21.089: RADIUS: Vendor, Cisco [26] 36
Jan 30 02:57:21.089: RADIUS: Cisco AVpair [1] 30
```

"isakmp-phase1-id=cisco.example"

```
Jan 30 02:57:21.089: RADIUS: Calling-Station-Id [31] 13 "192.168.50.130"
Jan 30 02:57:21.089: RADIUS: Vendor, Cisco [26] 64
Jan 30 02:57:21.089: RADIUS: Cisco AVpair [1] 58 "audit-session-id=L2L42F2F0116ZO2L42F2F016FZH1194CAE2Z
Jan 30 02:57:21.089: RADIUS: User-Name [1] 7
```

"user1"

```
Jan 30 02:57:21.089: RADIUS: Vendor, Cisco [26] 21
Jan 30 02:57:21.089: RADIUS: Cisco AVpair [1] 15 "coa-push=true"
Jan 30 02:57:21.089: RADIUS: EAP-Message [79] 12
RADIUS: 02 3B 00 0A 01 75 73 65 72 31 [ ;user1]
Jan 30 02:57:21.089: RADIUS: Message-Authenticato[80] 18
RADIUS: E7 22 65 E0 DC 03 3A 49 0B 01 49 2A D5 3F AD 4F [ "e:II*?O]
Jan 30 02:57:21.089: RADIUS: NAS-IP-Address [4] 6 192.168.30.100
Jan 30 02:57:21.089: RADIUS(000000FF): Sending a IPv4 Radius Packet
Jan 30 02:57:21.090: RADIUS(000000FF): Started 5 sec timeout
Jan 30 02:57:21.094: RADIUS:
```

Received from id 1645/85 192.168.30.110:1645, Access-Challenge, len 137

```
RADIUS: authenticator 67 2B 9D 9C 4D 1F F3 E8 - F6 EC 9B EB 8E 49 C8 A5
Jan 30 02:57:21.094: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 43 41 [2F2F016FZH1194CA]
RADIUS: 45 32 5A 4E 31 46 3B 33 31 53 65 73 73 69 6F 6E [E2ZN1F;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 32 39 3B [ 80018/29;]
Jan 30 02:57:21.094: RADIUS: EAP-Message [79] 8
RADIUS: 01 52 00 06 0D 20 [ R ]
Jan 30 02:57:21.094: RADIUS: Message-Authenticato[80] 18
RADIUS: 38 8A B1 31 72 62 06 40 4F D4 58 48 E8 36 E7 80 [ 81rb@OXH6]
Jan 30 02:57:21.094: RADIUS(000000FF): Received from id 1645/85
RADIUS/DECODE: EAP-Message fragments, 6, total 6 bytes
Jan 30 02:57:21.097: AAA/AUTHEN/LOGIN (000000FF):
```

Pick method list 'FlexVPN-Authentication-List'

```
Jan 30 02:57:21.097: RADIUS/ENCODE(000000FF):Orig. component type = VPN IPSEC
Jan 30 02:57:21.097: RADIUS/ENCODE(000000FF): dropping service type, "radius-server attribute 6 on-for-
Jan 30 02:57:21.097: RADIUS(000000FF): Config NAS IP: 0.0.0.0
Jan 30 02:57:21.097: vrfid: [65535] ipv6 tableid : [0]
Jan 30 02:57:21.097: idb is NULL
```

```
Jan 30 02:57:21.097: RADIUS(000000FF): Config NAS IPv6: ::
Jan 30 02:57:21.097: RADIUS/ENCODE(000000FF): acct_session_id: 4245
Jan 30 02:57:21.097: RADIUS(000000FF): sending
Jan 30 02:57:21.097: RADIUS/ENCODE: Best Local IP-Address 192.168.30.100 for Radius-Server 192.168.30.1
Jan 30 02:57:21.097: RADIUS: Message Authenticator encoded
Jan 30 02:57:21.097: RADIUS(000000FF):
```

Send Access-Request to 192.168.30.110:1645 id 1645/86, len 316

```
RADIUS: authenticator 93 07 42 CC D1 90 31 68 - 56 D0 D0 5A 35 C3 67 BC
Jan 30 02:57:21.097: RADIUS: Service-Type [6] 6 Login [1]
Jan 30 02:57:21.097: RADIUS: Vendor, Cisco [26] 26
Jan 30 02:57:21.098: RADIUS: Cisco AVpair [1] 20 "service-type=Login"
Jan 30 02:57:21.098: RADIUS: Vendor, Cisco [26] 36
Jan 30 02:57:21.098: RADIUS: Cisco AVpair [1] 30
```

"isakmp-phase1-id=cisco.example"

```
Jan 30 02:57:21.098: RADIUS: Calling-Station-Id [31] 13 "192.168.50.130"
Jan 30 02:57:21.098: RADIUS: Vendor, Cisco [26] 64
Jan 30 02:57:21.098: RADIUS: Cisco AVpair [1] 58 "audit-session-id=L2L42F2F0116ZO2L42F2F016FZH1194CAE2Z
Jan 30 02:57:21.098: RADIUS: User-Name [1] 7
```

"user1"

```
Jan 30 02:57:21.098: RADIUS: Vendor, Cisco [26] 21
Jan 30 02:57:21.098: RADIUS: Cisco AVpair [1] 15 "coa-push=true"
Jan 30 02:57:21.098: RADIUS: EAP-Message [79] 8
RADIUS: 02 52 00 06 03 04 [ R]
Jan 30 02:57:21.098: RADIUS: Message-Authenticato[80] 18
RADIUS: E0 67 24 D3 BB CF D9 E0 EE 44 98 8A 26 64 AC C9 [ g$D&d]
Jan 30 02:57:21.098: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 43 41 [2F2F016FZH1194CA]
RADIUS: 45 32 5A 4E 31 46 3B 33 31 53 65 73 73 69 6F 6E [E2ZN1F;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 32 39 3B [ 80018/29;]
Jan 30 02:57:21.098: RADIUS: NAS-IP-Address [4] 6 192.168.30.100
Jan 30 02:57:21.098: RADIUS(000000FF): Sending a IPv4 Radius Packet
Jan 30 02:57:21.099: RADIUS(000000FF): Started 5 sec timeout
Jan 30 02:57:21.101: RADIUS:
```

Received from id 1645/86 192.168.30.110:1645, Access-Challenge, len 161

```
RADIUS: authenticator 42 A3 5F E0 92 13 51 13 - B2 80 56 A3 91 36 BD A1
Jan 30 02:57:21.101: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 43 41 [2F2F016FZH1194CA]
RADIUS: 45 32 5A 4E 31 46 3B 33 31 53 65 73 73 69 6F 6E [E2ZN1F;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 32 39 3B [ 80018/29;]
Jan 30 02:57:21.101: RADIUS: EAP-Message [79] 32
RADIUS: 01 53 00 1E 04 10 D7 61 AE 69 3B 88 A1 83 E4 EC 0F B6 EF 68 58 16 49 53 45 2D 44 49 41 4E [ Sai
Jan 30 02:57:21.101: RADIUS: Message-Authenticato[80] 18
RADIUS: 3E C9 C1 E1 F2 3B 4E 4C DF CF AC 21 AA E9 C3 F0 [ >;NL!]
Jan 30 02:57:21.101: RADIUS(000000FF): Received from id 1645/86
RADIUS/DECODE: EAP-Message fragments, 30, total 30 bytes
Jan 30 02:57:21.103: AAA/AUTHEN/LOGIN (000000FF):
```

Pick method list 'FlexVPN-Authentication-List'

Jan 30 02:57:21.103: RADIUS/ENCODE(00000FF):Orig. component type = VPN IPSEC
Jan 30 02:57:21.103: RADIUS/ENCODE(00000FF): dropping service type, "radius-server attribute 6 on-for-
Jan 30 02:57:21.103: RADIUS(00000FF): Config NAS IP: 0.0.0.0
Jan 30 02:57:21.103: vrfid: [65535] ipv6 tableid : [0]
Jan 30 02:57:21.104: idb is NULL
Jan 30 02:57:21.104: RADIUS(00000FF): Config NAS IPv6: ::
Jan 30 02:57:21.104: RADIUS/ENCODE(00000FF): acct_session_id: 4245
Jan 30 02:57:21.104: RADIUS(00000FF): sending
Jan 30 02:57:21.104: RADIUS/ENCODE: Best Local IP-Address 192.168.30.100 for Radius-Server 192.168.30.1
Jan 30 02:57:21.104: RADIUS: Message Authenticator encoded
Jan 30 02:57:21.104: RADIUS(00000FF):

Send Access-Request to 192.168.30.110:1645 id 1645/87, len 332

RADIUS: authenticator 89 35 9C C5 06 FB 04 B7 - 4E A3 B2 5F 2B 15 4F 46
Jan 30 02:57:21.104: RADIUS: Service-Type [6] 6 Login [1]
Jan 30 02:57:21.104: RADIUS: Vendor, Cisco [26] 26
Jan 30 02:57:21.104: RADIUS: Cisco AVpair [1] 20 "service-type=Login"
Jan 30 02:57:21.104: RADIUS: Vendor, Cisco [26] 36
Jan 30 02:57:21.104: RADIUS: Cisco AVpair [1] 30

"isakmp-phase1-id=cisco.example"

Jan 30 02:57:21.104: RADIUS: Calling-Station-Id [31] 13 "192.168.50.130"
Jan 30 02:57:21.104: RADIUS: Vendor, Cisco [26] 64
Jan 30 02:57:21.104: RADIUS: Cisco AVpair [1] 58 "audit-session-id=L2L42F2F0116ZO2L42F2F016FZH1194CAE2Z
Jan 30 02:57:21.104: RADIUS: User-Name [1] 7

"user1"

Jan 30 02:57:21.104: RADIUS: Vendor, Cisco [26] 21
Jan 30 02:57:21.104: RADIUS: Cisco AVpair [1] 15 "coa-push=true"
Jan 30 02:57:21.104: RADIUS: EAP-Message [79] 24
RADIUS: 02 53 00 16 04 10 B0 BB 3E D5 B1 D6 01 FC 9A B7 4A DB AB F7 2F B6 [S>J/]
Jan 30 02:57:21.104: RADIUS: Message-Authenticato[80] 18
RADIUS: 79 43 97 A7 26 17 3E 3B 54 B4 90 D4 76 0F E0 14 [yC&>;Tv]
Jan 30 02:57:21.104: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 43 41 [2F2F016FZH1194CA]
RADIUS: 45 32 5A 4E 31 46 3B 33 31 53 65 73 73 69 6F 6E [E2ZN1F;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 32 39 3B [80018/29;]
Jan 30 02:57:21.104: RADIUS: NAS-IP-Address [4] 6 192.168.30.100
Jan 30 02:57:21.105: RADIUS(00000FF): Sending a IPv4 Radius Packet
Jan 30 02:57:21.105: RADIUS(00000FF): Started 5 sec timeout
Jan 30 02:57:21.170: RADIUS:

Received from id 1645/87 192.168.30.110:1645, Access-Accept, len 233

RADIUS: authenticator 75 F6 05 85 1D A0 C3 EE - F8 81 F9 02 38 AC C1 B6
Jan 30 02:57:21.170: RADIUS: User-Name [1] 7

"user1"

Jan 30 02:57:21.170: RADIUS: Class [25] 68
RADIUS: 43 41 43 53 3A 4C 32 4C 34 32 46 32 46 30 31 31 [CACS:L2L42F2F011]

```
RADIUS: 36 5A 4F 32 4C 34 32 46 32 46 30 31 36 46 5A 48 [6ZO2L42F2F016FZH]
RADIUS: 31 31 39 34 43 41 45 32 5A 4E 31 46 3A 49 53 45 [1194CAE2ZN1F:ISE]
RADIUS: 2D 44 49 41 4E 2F 34 39 33 30 38 30 30 31 38 2F [-DIAN/493080018/]
RADIUS: 32 39 [ 29]
Jan 30 02:57:21.170: RADIUS: EAP-Message [79] 6
RADIUS: 03 53 00 04 [ S]
Jan 30 02:57:21.170: RADIUS: Message-Authenticato[80] 18
RADIUS: 8A A9 CC 07 61 A2 6D BA E4 EB B5 B7 73 0E EC 28 [ ams(]
Jan 30 02:57:21.170: RADIUS: Vendor, Cisco [26] 37
Jan 30 02:57:21.170: RADIUS: Cisco AVpair [1] 31
```

"ipsec:dns-servers=10.0.50.101"

```
Jan 30 02:57:21.170: RADIUS: Vendor, Cisco [26] 47
Jan 30 02:57:21.170: RADIUS: Cisco AVpair [1] 41
```

"ipsec:route-set=prefix 192.168.100.0/24"

```
Jan 30 02:57:21.170: RADIUS: Vendor, Cisco [26] 30
Jan 30 02:57:21.170: RADIUS: Cisco AVpair [1] 24
```

"ipsec:addr-pool=group1"

```
Jan 30 02:57:21.171: RADIUS(000000FF): Received from id 1645/87
RADIUS/DECODE: EAP-Message fragments, 4, total 4 bytes
Jan 30 02:57:21.175: AAA/BIND(00000100): Bind i/f
Jan 30 02:57:21.175: AAA/AUTHOR (0x100):
```

Pick method list 'FlexVPN-Authorization-List'

```
Jan 30 02:57:21.176: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1, changed state to
Jan 30 02:57:21.192: %SYS-5-CONFIG_P: Configured programmatically by process Crypto INT from console as
Jan 30 02:57:21.376: %LINEPROTO-5-UPDOWN:
```

Line protocol on Interface Virtual-Access1, changed state to up

- Saída de depuração do usuário2:

<#root>

```
Jan 30 03:28:58.102: AAA/BIND(00000103): Bind i/f
Jan 30 03:28:58.102: AAA/AUTHEN/LOGIN (00000103):
```

Pick method list 'FlexVPN-Authentication-List'

```
Jan 30 03:28:58.103: RADIUS/ENCODE(00000103):Orig. component type = VPN IPSEC
Jan 30 03:28:58.103: RADIUS/ENCODE(00000103): dropping service type, "radius-server attribute 6 on-for-
Jan 30 03:28:58.103: RADIUS(00000103): Config NAS IP: 0.0.0.0
Jan 30 03:28:58.103: vrfid: [65535] ipv6 tableid : [0]
Jan 30 03:28:58.103: idb is NULL
Jan 30 03:28:58.103: RADIUS(00000103): Config NAS IPv6: ::
Jan 30 03:28:58.103: RADIUS/ENCODE(00000103): acct_session_id: 4249
Jan 30 03:28:58.103: RADIUS(00000103): sending
Jan 30 03:28:58.103: RADIUS/ENCODE: Best Local IP-Address 192.168.30.100 for Radius-Server 192.168.30.1
Jan 30 03:28:58.103: RADIUS: Message Authenticator encoded
Jan 30 03:28:58.103: RADIUS(00000103):
```

Send Access-Request to 192.168.30.110:1645 id 1645/88, len 229

RADIUS: authenticator 71 99 09 63 19 F7 D7 0B - 1D A9 4E 64 28 6F A5 64
Jan 30 03:28:58.103: RADIUS: Service-Type [6] 6 Login [1]
Jan 30 03:28:58.103: RADIUS: Vendor, Cisco [26] 26
Jan 30 03:28:58.103: RADIUS: Cisco AVpair [1] 20 "service-type=Login"
Jan 30 03:28:58.103: RADIUS: Vendor, Cisco [26] 36
Jan 30 03:28:58.104: RADIUS: Cisco AVpair [1] 30

"isakmp-phase1-id=cisco.example"

Jan 30 03:28:58.104: RADIUS: Calling-Station-Id [31] 13 "192.168.50.130"
Jan 30 03:28:58.104: RADIUS: Vendor, Cisco [26] 64
Jan 30 03:28:58.104: RADIUS: Cisco AVpair [1] 58 "audit-session-id=L2L42F2F0116ZO2L42F2F016FZH1194E444Z
Jan 30 03:28:58.104: RADIUS: User-Name [1] 7

"user2"

Jan 30 03:28:58.104: RADIUS: Vendor, Cisco [26] 21
Jan 30 03:28:58.104: RADIUS: Cisco AVpair [1] 15 "coa-push=true"
Jan 30 03:28:58.104: RADIUS: EAP-Message [79] 12
RADIUS: 02 3B 00 0A 01 75 73 65 72 32 [;user2]
Jan 30 03:28:58.104: RADIUS: Message-Authenticato[80] 18
RADIUS: 12 62 2F 51 12 FC F7 EC F0 87 E0 34 1E F1 AD E5 [b/Q4]
Jan 30 03:28:58.104: RADIUS: NAS-IP-Address [4] 6 192.168.30.100
Jan 30 03:28:58.104: RADIUS(00000103): Sending a IPv4 Radius Packet
Jan 30 03:28:58.105: RADIUS(00000103): Started 5 sec timeout
Jan 30 03:28:58.109: RADIUS:

Received from id 1645/88 192.168.30.110:1645, Access-Challenge, len 137

RADIUS: authenticator 98 04 01 EA CD 9B 1E A9 - DC 6F 2F 17 1F 2A 5F 43
Jan 30 03:28:58.109: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 45 34 [2F2F016FZH1194E4]
RADIUS: 34 34 5A 4E 32 30 3B 33 31 53 65 73 73 69 6F 6E [44ZN20;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 33 30 3B [80018/30;]
Jan 30 03:28:58.110: RADIUS: EAP-Message [79] 8
RADIUS: 01 35 00 06 0D 20 [5]
Jan 30 03:28:58.110: RADIUS: Message-Authenticato[80] 18
RADIUS: E3 A6 88 B1 B6 3D 93 1F 39 B3 AE 9E EA 1D BB 15 [=9]
Jan 30 03:28:58.110: RADIUS(00000103): Received from id 1645/88
RADIUS/DECODE: EAP-Message fragments, 6, total 6 bytes
Jan 30 03:28:58.112: AAA/AUTHEN/LOGIN (00000103):

Pick method list 'FlexVPN-Authentication-List'

Jan 30 03:28:58.112: RADIUS/ENCODE(00000103):Orig. component type = VPN IPSEC
Jan 30 03:28:58.112: RADIUS/ENCODE(00000103): dropping service type, "radius-server attribute 6 on-for-
Jan 30 03:28:58.112: RADIUS(00000103): Config NAS IP: 0.0.0.0
Jan 30 03:28:58.112: vrfid: [65535] ipv6 tableid : [0]
Jan 30 03:28:58.113: idb is NULL
Jan 30 03:28:58.113: RADIUS(00000103): Config NAS IPv6: ::
Jan 30 03:28:58.113: RADIUS/ENCODE(00000103): acct_session_id: 4249
Jan 30 03:28:58.113: RADIUS(00000103): sending
Jan 30 03:28:58.113: RADIUS/ENCODE: Best Local IP-Address 192.168.30.100 for Radius-Server 192.168.30.1
Jan 30 03:28:58.113: RADIUS: Message Authenticator encoded
Jan 30 03:28:58.113: RADIUS(00000103):

Send Access-Request to 192.168.30.110:1645 id 1645/89, len 316

RADIUS: authenticator 56 BD F0 9A 4B 16 5C 6C - 4E 41 00 56 8D C0 3A 8C
Jan 30 03:28:58.113: RADIUS: Service-Type [6] 6 Login [1]
Jan 30 03:28:58.113: RADIUS: Vendor, Cisco [26] 26
Jan 30 03:28:58.113: RADIUS: Cisco AVpair [1] 20 "service-type=Login"
Jan 30 03:28:58.113: RADIUS: Vendor, Cisco [26] 36
Jan 30 03:28:58.113: RADIUS: Cisco AVpair [1] 30

"isakmp-phase1-id=cisco.example"

Jan 30 03:28:58.113: RADIUS: Calling-Station-Id [31] 13 "192.168.50.130"
Jan 30 03:28:58.113: RADIUS: Vendor, Cisco [26] 64
Jan 30 03:28:58.113: RADIUS: Cisco AVpair [1] 58 "audit-session-id=L2L42F2F0116ZO2L42F2F016FZH1194E444Z
Jan 30 03:28:58.113: RADIUS: User-Name [1] 7

"user2"

Jan 30 03:28:58.113: RADIUS: Vendor, Cisco [26] 21
Jan 30 03:28:58.113: RADIUS: Cisco AVpair [1] 15 "coa-push=true"
Jan 30 03:28:58.113: RADIUS: EAP-Message [79] 8
RADIUS: 02 35 00 06 03 04 [5]
Jan 30 03:28:58.113: RADIUS: Message-Authenticato[80] 18
RADIUS: 47 1F 36 A7 C3 9B 90 6E 03 2C B8 D7 FE A7 13 44 [G6n,D]
Jan 30 03:28:58.113: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 45 34 [2F2F016FZH1194E4]
RADIUS: 34 34 5A 4E 32 30 3B 33 31 53 65 73 73 69 6F 6E [44ZN20;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 33 30 3B [80018/30;]
Jan 30 03:28:58.114: RADIUS: NAS-IP-Address [4] 6 192.168.30.100
Jan 30 03:28:58.114: RADIUS(00000103): Sending a IPv4 Radius Packet
Jan 30 03:28:58.114: RADIUS(00000103): Started 5 sec timeout
Jan 30 03:28:58.116: RADIUS:

Received from id 1645/89 192.168.30.110:1645, Access-Challenge, len 161

RADIUS: authenticator 84 A3 30 3D 80 BC 71 42 - 1B 9B 49 EF 0B 1B 02 02
Jan 30 03:28:58.116: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 45 34 [2F2F016FZH1194E4]
RADIUS: 34 34 5A 4E 32 30 3B 33 31 53 65 73 73 69 6F 6E [44ZN20;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 33 30 3B [80018/30;]
Jan 30 03:28:58.116: RADIUS: EAP-Message [79] 32
RADIUS: 01 36 00 1E 04 10 EB 9F A5 AC 70 1F 4D D6 48 05 9D EC 1F 29 67 AE 49 53 45 2D 44 49 41 4E [6pM
Jan 30 03:28:58.116: RADIUS: Message-Authenticato[80] 18
RADIUS: 08 5E BC EF E5 38 50 CD FB 3C B3 E9 99 0A 51 B3 [^8P<Q]
Jan 30 03:28:58.116: RADIUS(00000103): Received from id 1645/89
RADIUS/DECODE: EAP-Message fragments, 30, total 30 bytes
Jan 30 03:28:58.118: AAA/AUTHEN/LOGIN (00000103):

Pick method list 'FlexVPN-Authentication-List'

Jan 30 03:28:58.118: RADIUS/ENCODE(00000103):Orig. component type = VPN IPSEC
Jan 30 03:28:58.118: RADIUS/ENCODE(00000103): dropping service type, "radius-server attribute 6 on-for-
Jan 30 03:28:58.118: RADIUS(00000103): Config NAS IP: 0.0.0.0
Jan 30 03:28:58.118: vrfid: [65535] ipv6 tableid : [0]

```
Jan 30 03:28:58.118: idb is NULL
Jan 30 03:28:58.118: RADIUS(00000103): Config NAS IPv6: ::
Jan 30 03:28:58.118: RADIUS/ENCODE(00000103): acct_session_id: 4249
Jan 30 03:28:58.118: RADIUS(00000103): sending
Jan 30 03:28:58.118: RADIUS/ENCODE: Best Local IP-Address 192.168.30.100 for Radius-Server 192.168.30.1
Jan 30 03:28:58.119: RADIUS: Message Authenticator encoded
Jan 30 03:28:58.119: RADIUS(00000103):
```

Send Access-Request to 192.168.30.110:1645 id 1645/90, len 332

```
RADIUS: authenticator A1 62 1A FB 18 58 7B 47 - 5C 8A 64 FA B7 23 9B BE
Jan 30 03:28:58.119: RADIUS: Service-Type [6] 6 Login [1]
Jan 30 03:28:58.119: RADIUS: Vendor, Cisco [26] 26
Jan 30 03:28:58.119: RADIUS: Cisco AVpair [1] 20 "service-type=Login"
Jan 30 03:28:58.119: RADIUS: Vendor, Cisco [26] 36
Jan 30 03:28:58.119: RADIUS: Cisco AVpair [1] 30
```

"isakmp-phase1-id=cisco.example"

```
Jan 30 03:28:58.119: RADIUS: Calling-Station-Id [31] 13 "192.168.50.130"
Jan 30 03:28:58.119: RADIUS: Vendor, Cisco [26] 64
Jan 30 03:28:58.119: RADIUS: Cisco AVpair [1] 58 "audit-session-id=L2L42F2F0116ZO2L42F2F016FZH1194E444Z
Jan 30 03:28:58.119: RADIUS: User-Name [1] 7
```

"user2"

```
Jan 30 03:28:58.119: RADIUS: Vendor, Cisco [26] 21
Jan 30 03:28:58.119: RADIUS: Cisco AVpair [1] 15 "coa-push=true"
Jan 30 03:28:58.119: RADIUS: EAP-Message [79] 24
RADIUS: 02 36 00 16 04 10 73 B7 F2 42 09 5B AB 21 D8 77 96 A2 F7 C7 83 AD [ 6sB[!w]
Jan 30 03:28:58.119: RADIUS: Message-Authenticato[80] 18
RADIUS: B1 68 3C 25 9E FE 52 13 10 69 E6 BB 17 67 6F 18 [ h<?Rigo]
Jan 30 03:28:58.119: RADIUS: State [24] 91
RADIUS: 35 32 43 50 4D 53 65 73 73 69 6F 6E 49 44 3D 4C [52CPMSessionID=L]
RADIUS: 32 4C 34 32 46 32 46 30 31 31 36 5A 4F 32 4C 34 [2L42F2F0116ZO2L4]
RADIUS: 32 46 32 46 30 31 36 46 5A 48 31 31 39 34 45 34 [2F2F016FZH1194E4]
RADIUS: 34 34 5A 4E 32 30 3B 33 31 53 65 73 73 69 6F 6E [44ZN20;31Session]
RADIUS: 49 44 3D 49 53 45 2D 44 49 41 4E 2F 34 39 33 30 [ID=ISE-SERVER/4930]
RADIUS: 38 30 30 31 38 2F 33 30 3B [ 80018/30;]
Jan 30 03:28:58.119: RADIUS: NAS-IP-Address [4] 6 192.168.30.100
Jan 30 03:28:58.119: RADIUS(00000103): Sending a IPv4 Radius Packet
Jan 30 03:28:58.119: RADIUS(00000103): Started 5 sec timeout
Jan 30 03:28:58.186: RADIUS: Received from id 1645/90 192.168.30.110:1645, Access-Accept, len 233
RADIUS: authenticator 48 A5 A0 11 ED B8 C2 87 - 35 30 17 D5 6D D7 B4 FD
Jan 30 03:28:58.186: RADIUS: User-Name [1] 7
```

"user2"

```
Jan 30 03:28:58.186: RADIUS: Class [25] 68
RADIUS: 43 41 43 53 3A 4C 32 4C 34 32 46 32 46 30 31 31 [CACS:L2L42F2F011]
RADIUS: 36 5A 4F 32 4C 34 32 46 32 46 30 31 36 46 5A 48 [6ZO2L42F2F016FZH]
RADIUS: 31 31 39 34 45 34 34 34 5A 4E 32 30 3A 49 53 45 [1194E444ZN20:ISE]
RADIUS: 2D 44 49 41 4E 2F 34 39 33 30 38 30 30 31 38 2F [-DIAN/493080018/]
RADIUS: 33 30 [ 30]
Jan 30 03:28:58.186: RADIUS: EAP-Message [79] 6
RADIUS: 03 36 00 04 [ 6]
Jan 30 03:28:58.186: RADIUS: Message-Authenticato[80] 18
RADIUS: 9E A6 D9 56 40 C8 EB 08 69 8C E1 35 35 53 18 83 [ V@i55S]
Jan 30 03:28:58.187: RADIUS: Vendor, Cisco [26] 37
Jan 30 03:28:58.187: RADIUS: Cisco AVpair [1] 31
```

```
"ipsec:dns-servers=10.0.50.202"


Jan 30 03:28:58.187: RADIUS: Vendor, Cisco [26] 47
Jan 30 03:28:58.187: RADIUS: Cisco AVpair [1] 41

"ipsec:route-set=prefix 192.168.200.0/24"


Jan 30 03:28:58.187: RADIUS: Vendor, Cisco [26] 30
Jan 30 03:28:58.187: RADIUS: Cisco AVpair [1] 24

"ipsec:addr-pool=group2"


Jan 30 03:28:58.187: RADIUS(00000103): Received from id 1645/90
RADIUS/DECODE: EAP-Message fragments, 4, total 4 bytes
Jan 30 03:28:58.190: AAA/BIND(00000104): Bind i/f
Jan 30 03:28:58.190: AAA/AUTHOR (0x104):

Pick method list 'FlexVPN-Authorization-List'


Jan 30 03:28:58.192: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access2, changed state to
Jan 30 03:28:58.209: %SYS-5-CONFIG_P: Configured programmatically by process Crypto INT from console as
Jan 30 03:28:58.398: %LINEPROTO-5-UPDOWN:

Line protocol on Interface Virtual-Access2, changed state to up
```

Informações Relacionadas

- Suporte técnico e downloads da Cisco

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