

为FlexVPN远程用户配置RADIUS属性映射

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简介

本文档介绍如何使用思科身份服务引擎(ISE)配置FlexVPN以验证身份并执行属性组映射。

先决条件

要求

Cisco 建议您了解以下主题：

- 通过CLI在Cisco IOS® XE路由器上配置了IKEV2/IPsec的远程访问虚拟专用网络(RAVPN)
- 思科身份服务引擎(ISE)配置
- 思科安全客户端(CSC)
- RADIUS协议

使用的组件

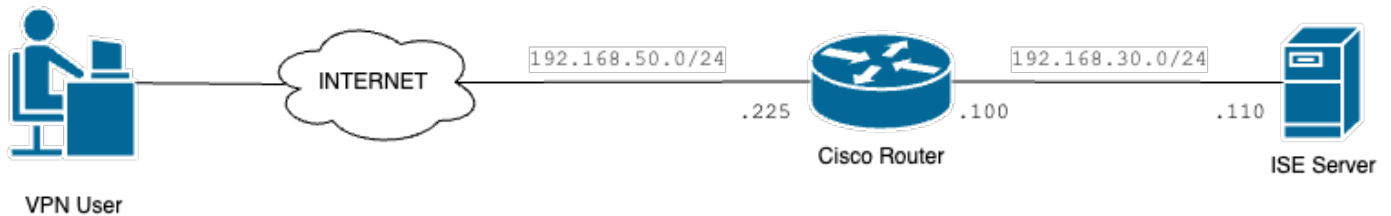
本文档基于以下软件和硬件版本：

- 思科CSR1000V (VXE) -版本17.03.04a
- 思科身份服务引擎(ISE) - 3.1
- 思科安全客户端(CSC) - 5.0.05040版
- Windows 11

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。

配置

网络图



基本网络图

配置

路由器配置

步骤1:在设备上配置用于身份验证和本地授权的RADIUS服务器：

```
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
```

aaa authentication login <list_name>命令是指身份验证、授权和记帐(AAA)组（用于定义RADIUS服务器）。

aaa authorization network <list_name> local命令声明将使用本地定义的用户/组。

步骤2.配置信任点以存储路由器证书。由于路由器的本地身份验证类型为RSA，因此设备要求服务器使用证书对自身进行身份验证：

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

第三步：为每个不同的用户组定义一个IP本地池：

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

第四步：配置本地授权策略：

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

无需在授权策略上进行配置，因为身份验证服务器负责根据用户所属的组发送相关值（DNS、池、受保护路由等）。但是，必须将其配置为在我们的本地授权数据库中定义用户名。

第 5 步（可选）：创建IKEv2建议和策略（如果未配置，则使用智能默认值）：

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

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

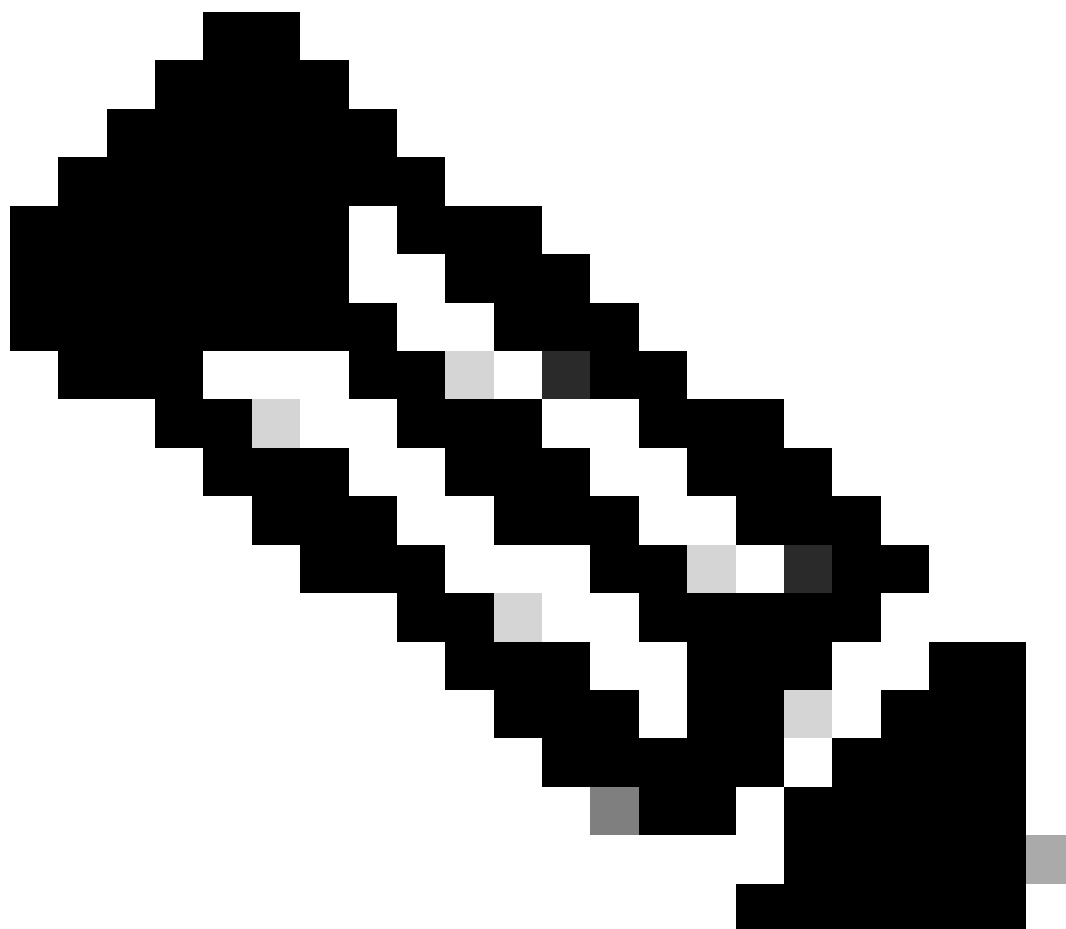
第 6 步（可选）：配置转换集（如果未配置，则使用智能默认值）：

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

步骤 7. 使用正确的本地和远程身份、身份验证方法（本地和远程）、信任点、AAA和用于连接的虚拟模板接口配置IKEv2配置文件：

```
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
```

aaa authorization user eap cached命令指定必须缓存EAP身份验证期间接收的属性。此命令对配置至关重要，因为如果没有此命令，身份验证服务器发送的数据将不被使用，从而导致连接失败。



注意：远程key-id必须与XML文件中的key-id值匹配。如果未在XML文件中对其进行修改，将使用默认值(*\$AnyConnectClient\$)，并且必须在IKEv2配置文件中配置。

步骤 8 配置IPsec配置文件并分配转换集和IKEv2配置文件：

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

步骤 9 配置一个环回接口。虚拟访问接口从其借用IP地址：

```
interface Loopback100
ip address 10.0.0.1 255.255.255.255
```

步骤 10 创建将用于创建不同虚拟访问接口的虚拟模板，并链接第8步中创建的IPSec配置文件：

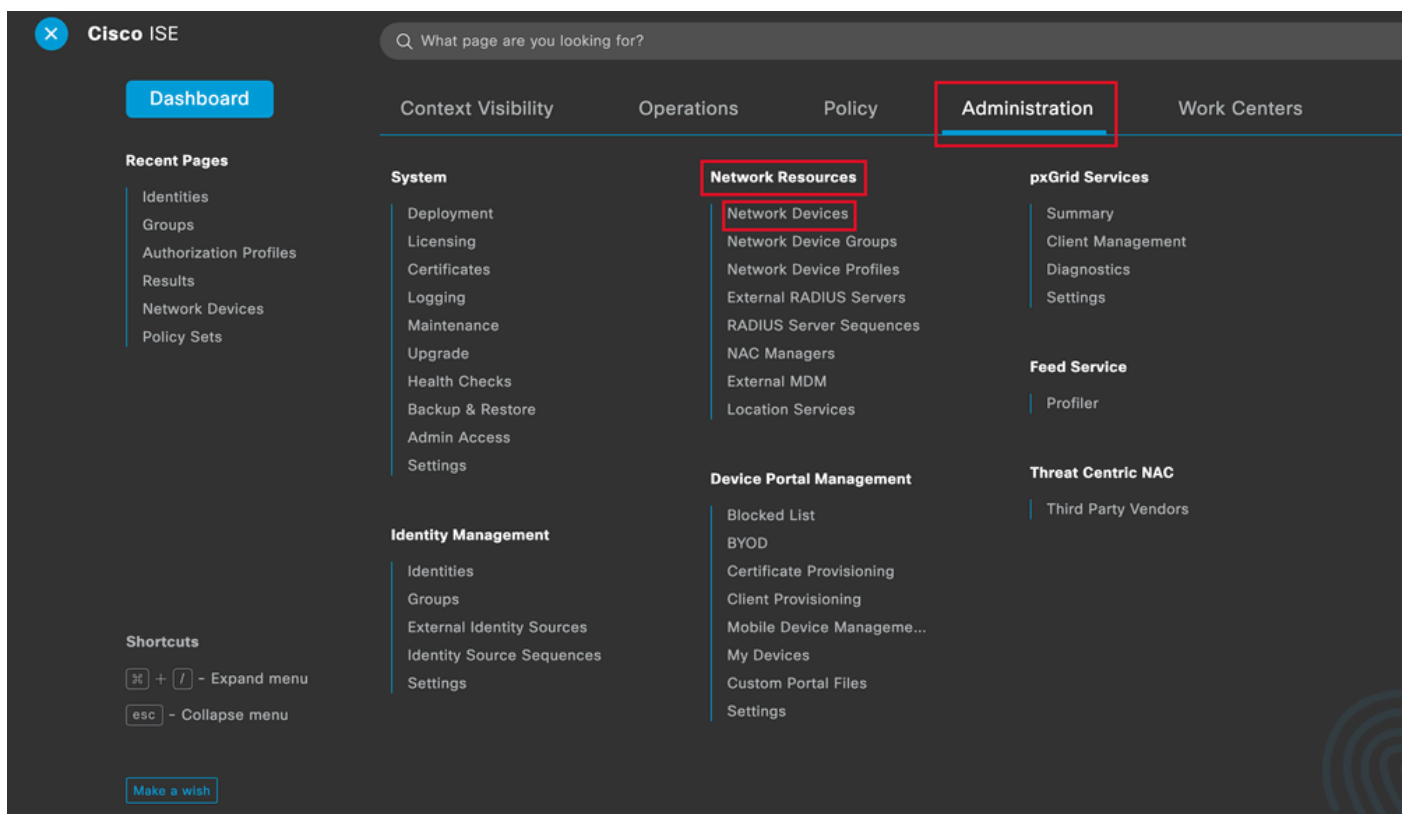
```
interface Virtual-Template100 type tunnel
ip unnumbered Loopback100
tunnel mode ipsec ipv4
tunnel protection ipsec profile FlexVPN-IPsec-Profile-1
```

步骤 11在路由器上禁用基于HTTP-URL的证书查找和HTTP服务器：

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

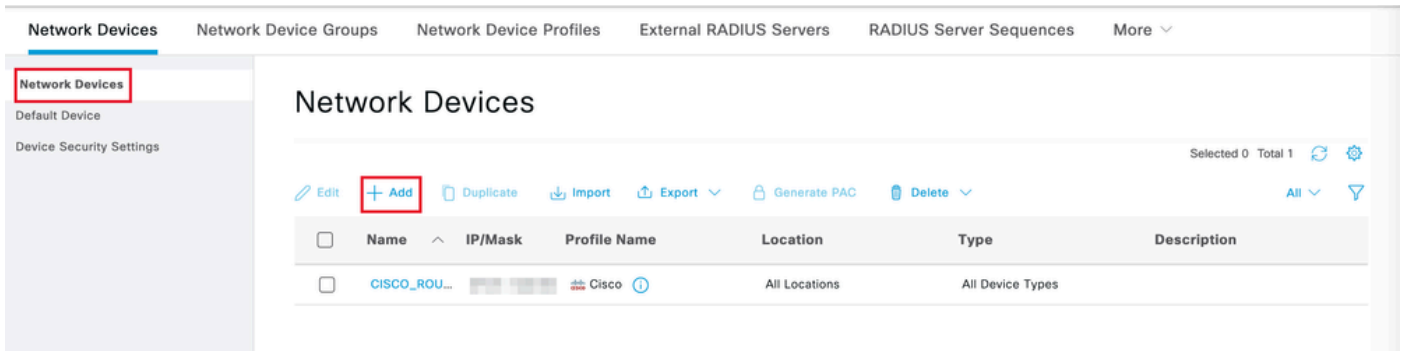
身份服务引擎(ISE)配置

步骤1:登录ISE服务器并导航到管理>网络资源>网络设备：



ISE常规菜单

第二步：单击Add将路由器配置为AAA客户端：



添加新网络设备

输入网络设备名称和IP地址字段，然后选中RADIUS Authentication Settings框并添加共享密钥，此值必须与创建路由器上的RADIUS服务器对象时使用的值相同。

Network Devices

Name

Description

IP Address

名称和IP地址



✓ RADIUS Authentication Settings

RADIUS UDP Settings

Protocol

RADIUS

Shared Secret

Show

Use Second Shared Secret ⓘ

networkDevices.secondSharedSecret

Show

Radius密码

Click Save.

第三步：导航到管理>身份管理> Groups：

The screenshot shows the Cisco ISE Administration interface. The top navigation bar includes 'Dashboard', 'Context Visibility', 'Operations', 'Policy', 'Administration' (highlighted), and 'Work Centers'. The left sidebar lists 'Recent Pages' (Identities, Groups, Authorization Profiles, Results, Policy Sets) and 'Shortcuts' (Expand menu, Collapse menu). The main content area is divided into several sections: 'System' (Deployment, Licensing, Certificates, Logging, Maintenance, Upgrade, Health Checks, Backup & Restore, Admin Access, Settings), 'Network Resources' (Network Devices, Network Device Groups, Network Device Profiles, External RADIUS Servers, RADIUS Server Sequences, NAC Managers, External MDM, Location Services), 'Device Portal Management' (Blocked List, BYOD, Certificate Provisioning, Client Provisioning, Mobile Device Manageme..., My Devices, Custom Portal Files, Settings), 'pxGrid Services' (Summary, Client Management, Diagnostics, Settings), 'Feed Service' (Profiler), and 'Threat Centric NAC' (Third Party Vendors). The 'Identity Management' section in the left sidebar is highlighted with a red box, and the 'Groups' sub-item is also highlighted with a red box.

ISE常规菜单

第四步：单击User Identity Groups，然后单击Add：

Identity Groups

EQ



> Endpoint Identity Groups

> User Identity Groups

User Identity Groups

Selected 0 Total 10

Edit **+ Add** Delete Import Export

All

Name	Description
<input type="checkbox"/> ALL_ACCOUNTS (default)	Default ALL_ACCOUNTS (default) User Group
<input type="checkbox"/> Employee	Default Employee User Group
<input type="checkbox"/> GROUP_ACCOUNTS (default)	Default GROUP_ACCOUNTS (default) User Group

添加新组

输入组名称并单击Submit。

Identity Group

* Name Group1

Description

Submit

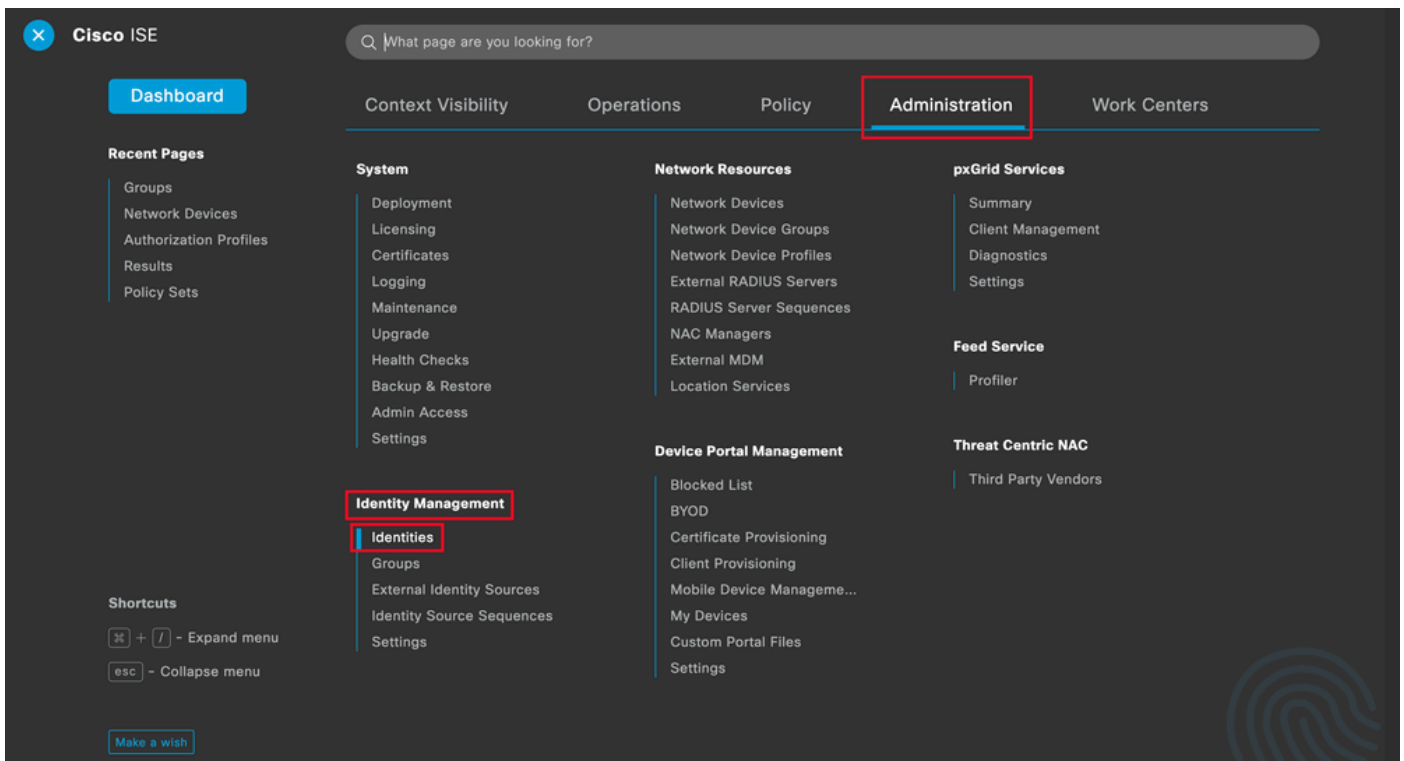
Cancel

组信息



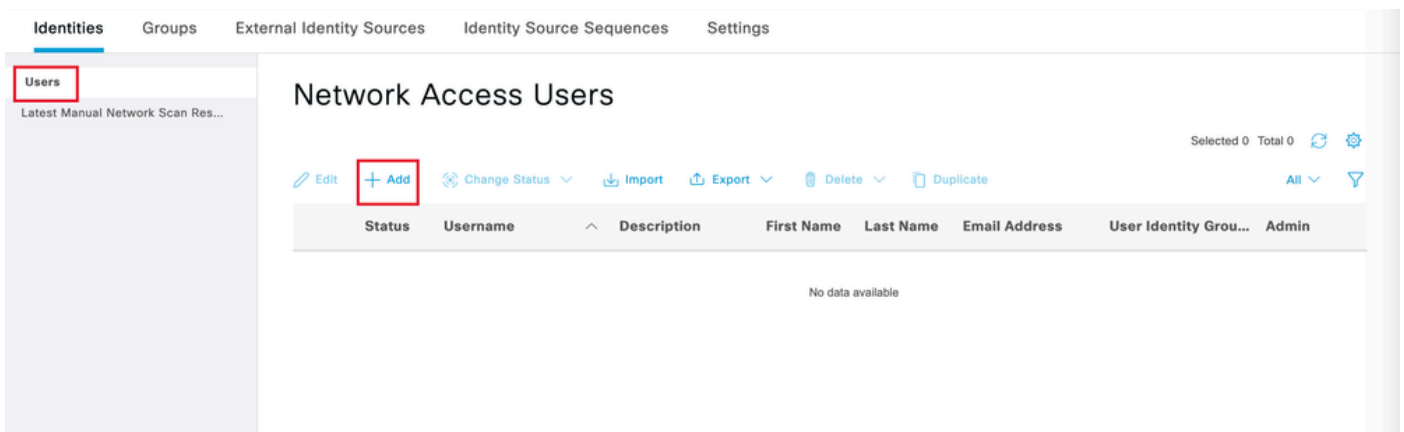
注意：重复步骤3和4，根据需要创建多个组。

第五步：导航到管理>身份管理>身份：



ISE常规菜单

第六步：单击Add，以便在服务器本地数据库中创建新用户：



添加用户

输入用户名和登录密码.然后，导航到此页末尾，选择User Group：

Network Access User

* Username user1

Status Enabled

Email

Passwords

Password Type: Internal Users

Password

Re-Enter Password

* Login Password

Generate Password

Enable Password

Generate Password

用户名和密码

Account Options

Description

Change password on next login

Account Disable Policy

Disable account if date exceeds 20

User Groups

User Groups

ALL_ACCOUNTS (default)

Employee

Group1

Group2

GROUP_ACCOUNTS (default)

Select an item

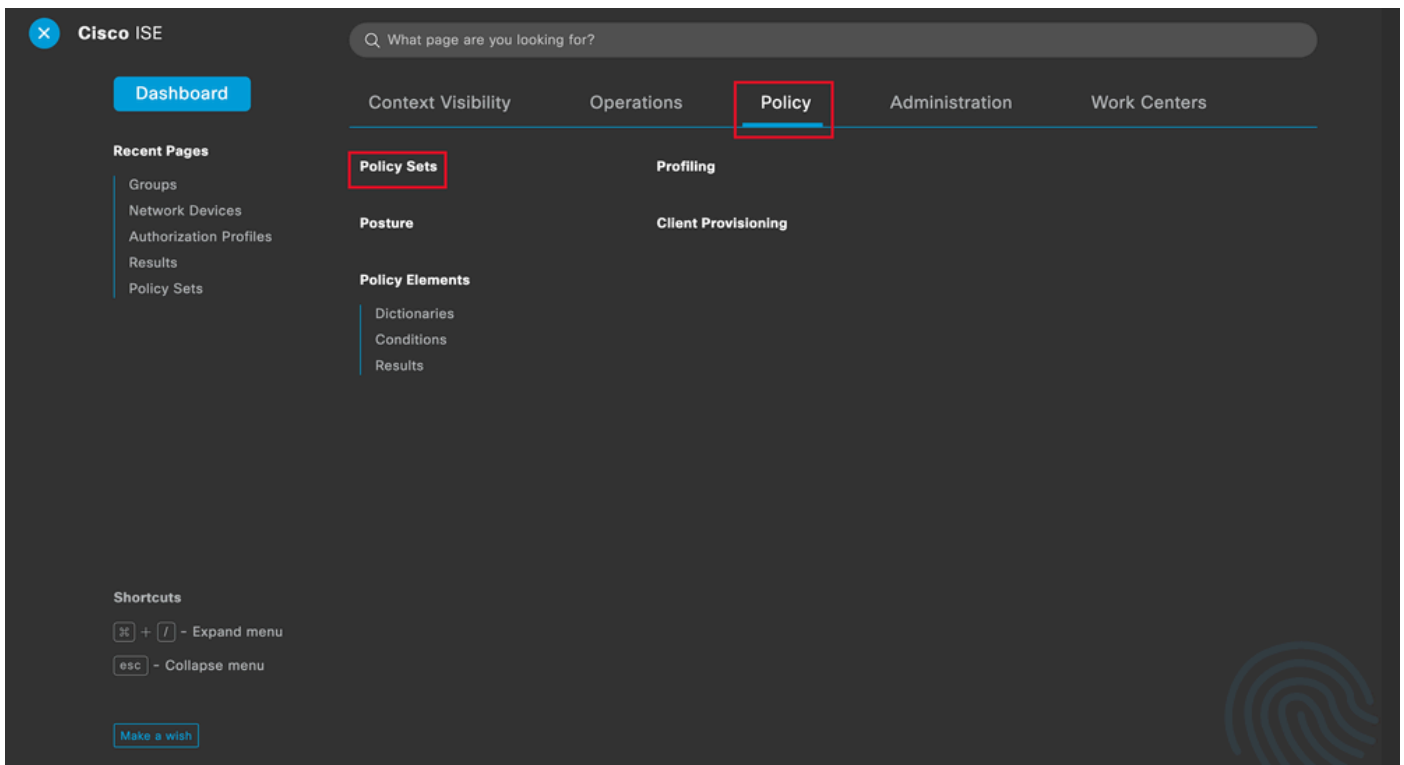
将正确的组分配给用户

Click Save.



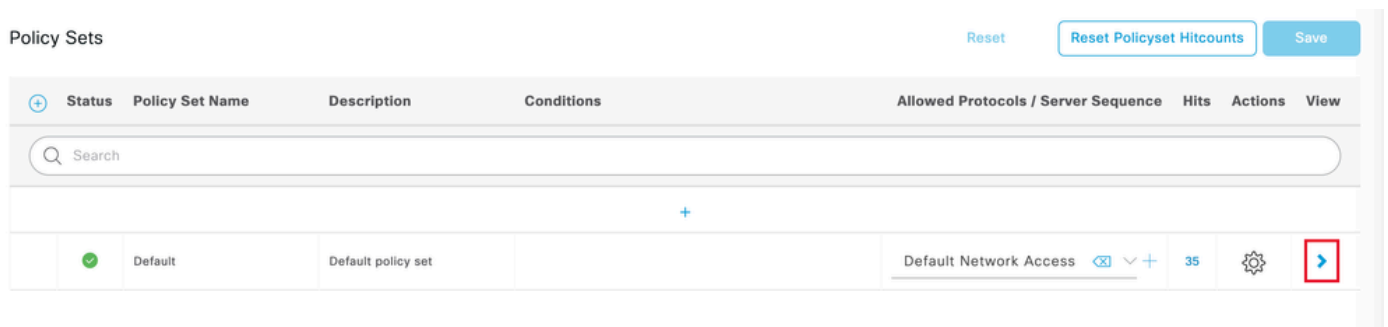
注意：重复步骤5和6，创建所需的用户并将其分配到相应的组。

第7步：导航到策略>策略集：



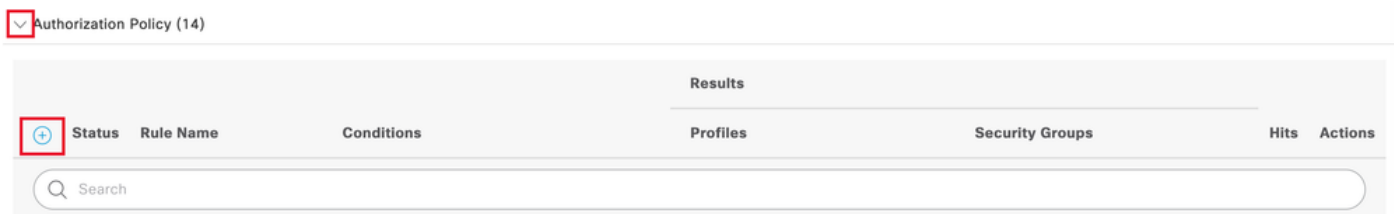
ISE常规菜单

通过点击屏幕右侧的箭头来选择默认授权策略：



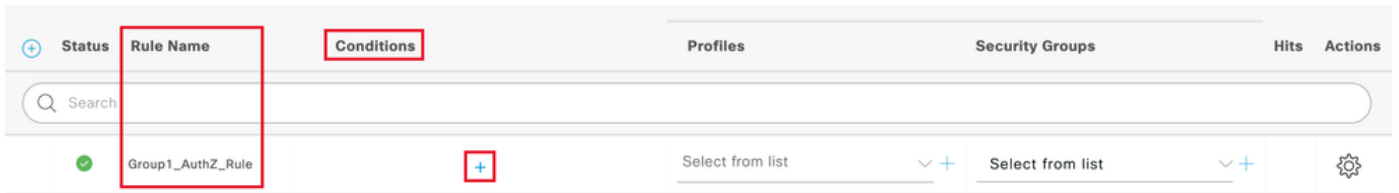
选择授权策略

步骤 8 点击Authorization Policy旁边的下拉菜单箭头将其展开。然后，点击添加(+)图标以添加新规则：



添加新的授权规则

输入规则的名称并选择Conditions列下的add (+)图标：



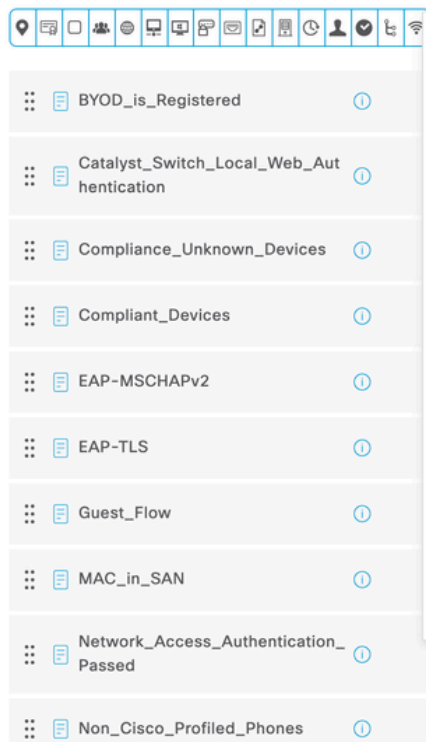
添加条件

步骤 9 在“属性编辑器”(Attribute Editor)文本框中单击，然后单击身份组。选择身份组-名称属性：

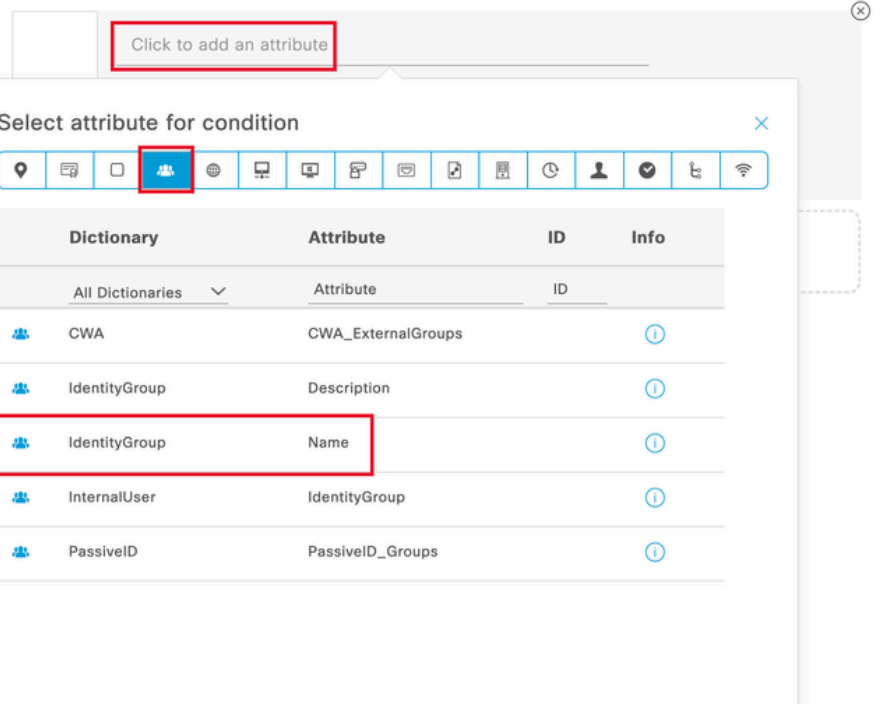
Conditions Studio

Library

Search by Name



Editor



选择条件

选择与运算符相同，然后点击下拉菜单箭头显示可用选项并选择User Identity Groups：<GROUP_NAME>。

Editor

IdentityGroup-Name

Equals Choose from list or type

Set to 'Is not'

User Identity Groups:GROUP_ACCOUNTS (default)

User Identity Groups:Group1

User Identity Groups:Group2

User Identity Groups:GuestType_Contractor (default)

User Identity Groups:GuestType_Daily (default)

Save

选择组

Click Save.

第10步：在配置文件列中，点击添加(+)图标并选择创建新授权配置文件：

Status	Rule Name	Conditions	Profiles	Security Groups	Hits	Actions
✓	Group1_AuthZ_Rule	IdentityGroup-Name EQUALS User Identity Groups:Group1	Select from list +	Select from list +	10	⚙️
✓	Wireless Black List Default	AND Wireless_Access IdentityGroup-Name EQUALS Endpoint Identity Groups:Blacklist	Create a New Authorization Profile	Select from list +	0	⚙️

创建授权配置文件

输入配置文件名称

Add New Standard Profile

Authorization Profile

* Name

Description

* Access Type

Network Device Profile

Service Template

Track Movement ⓘ

Agentless Posture ⓘ

Passive Identity Tracking ⓘ

配置文件信息

导航到此页末尾的高级属性设置，然后单击下拉菜单箭头。然后单击Cisco并选择cisco-av-pair--[1]：

Advanced Attributes Settings

Select an item

Attributes Details

Access Type = ACCESS_ACCEPT

Cisco

- cisco-abort-cause--[21]
- cisco-account-info--[250]
- cisco-assign-ip-pool--[218]
- cisco-av-pair--[1]**
- cisco-call-filter--[243]
- cisco-call-id--[141]

选择属性类型

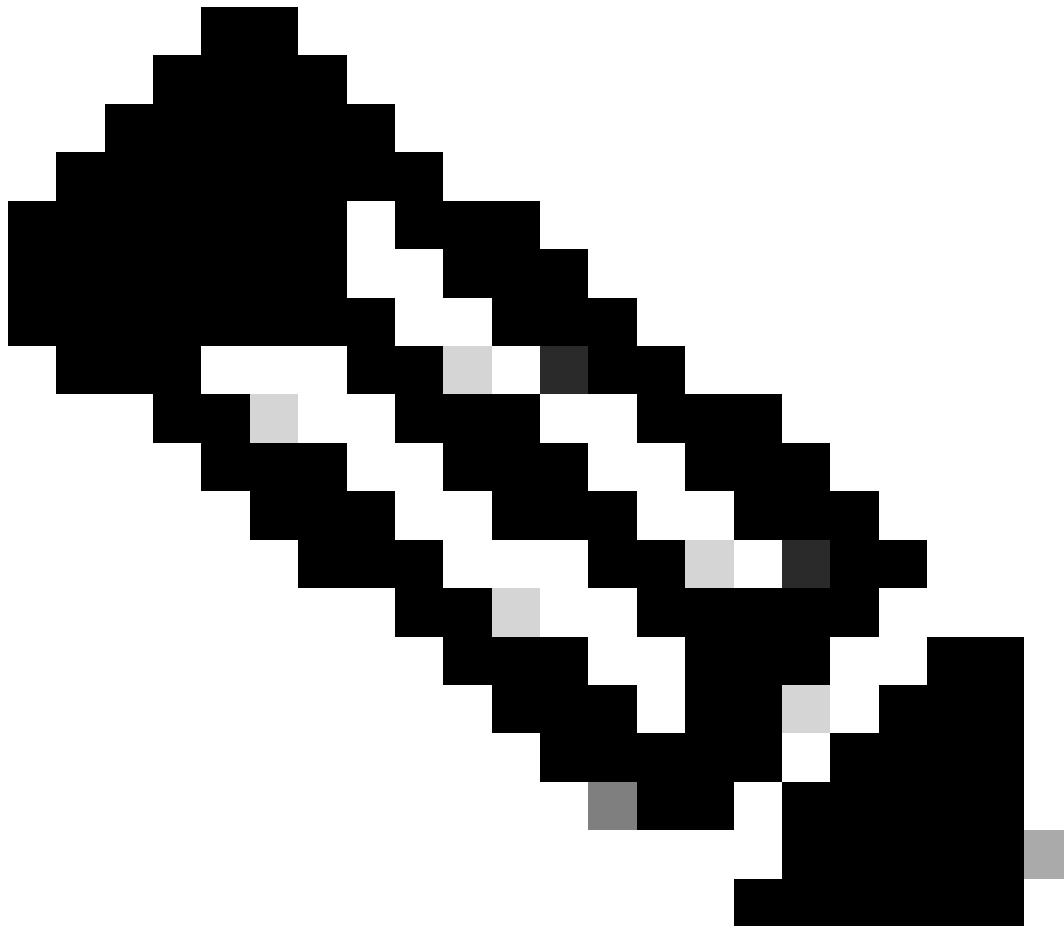
。

添加要配置的cisco-av-pair属性，然后单击add (+)图标添加其他属性：

Advanced Attributes Settings

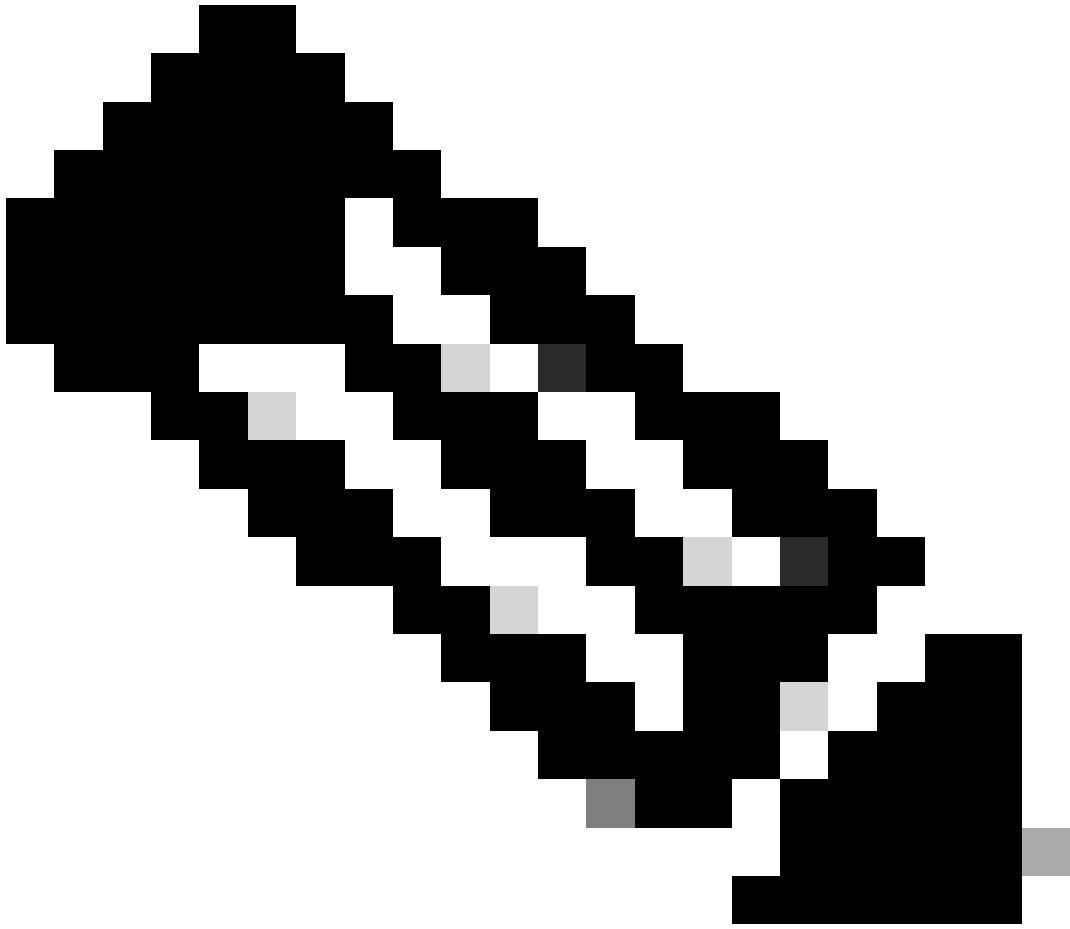
⋮ Cisco:cisco-av-pair = ipsec:dns-servers=10.0.50.10 - +

配置属性



注意：有关属性规范（名称、语法、说明、示例等），请参阅FlexVPN RADIUS属性配置指南：

[FlexVPN和互联网密钥交换版本2配置指南，Cisco IOS XE Fuji 16.9.x -支持的RADIUS属性](#)



注意：重复上述步骤以创建必要的属性。

Click Save.

接下来的属性已分配给每个组：

- 组1属性：

Advanced Attributes Settings

⋮	Cisco:cisco-av-pair	▼	=	ipsec:dns-servers=10.0.50.10	▼	-
⋮	Cisco:cisco-av-pair	▼	=	ipsec:route-set=prefix 192.168.100.0/24	▼	-
⋮	Cisco:cisco-av-pair	▼	=	ipsec:addr-pool=group1	▼	- +

Attributes Details

Access Type = ACCESS_ACCEPT
cisco-av-pair = ipsec:dns-servers=10.0.50.101
cisco-av-pair = ipsec:route-set=prefix 192.168.100.0/24
cisco-av-pair = ipsec:addr-pool=group1

Group1属性

- 组2属性：

Advanced Attributes Settings

⋮	Cisco:cisco-av-pair	▼	=	ipsec:dns-servers=10.0.50.20	▼	-
⋮	Cisco:cisco-av-pair	▼	=	ipsec:route-set=prefix 192.168.200.0/24	▼	-
⋮	Cisco:cisco-av-pair	▼	=	ipsec:addr-pool=group2	▼	- +

Attributes Details

Access Type = ACCESS_ACCEPT
cisco-av-pair = ipsec:dns-servers=10.0.50.202
cisco-av-pair = ipsec:route-set=prefix 192.168.200.0/24
cisco-av-pair = ipsec:addr-pool=group2

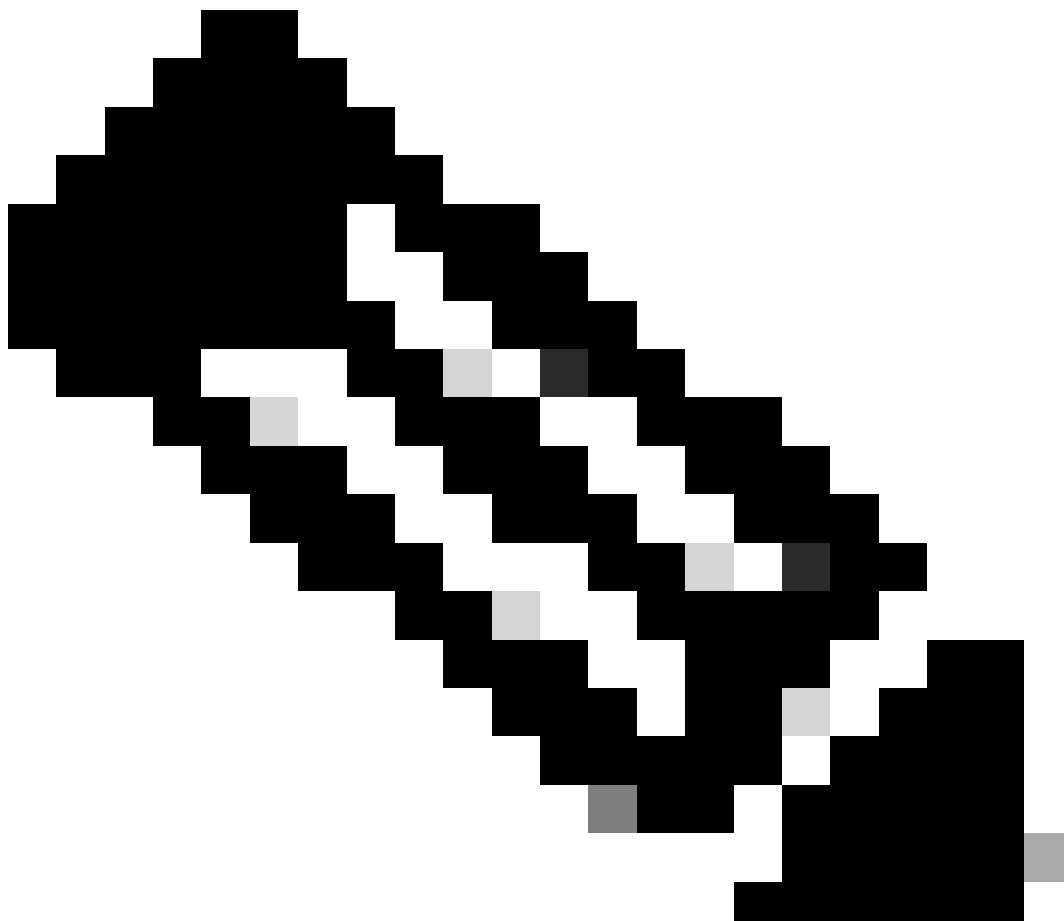
组2属性

第11步：点击下拉菜单箭头，然后选择在第10步中创建的授权配置文件：

Status	Rule Name	Conditions	Profiles	Security Groups	Hits	Actions
✓	Group1_AuthZ_Rule	IdentityGroup-Name EQUALS User Identity Groups:Group1	Select from list	Select from list	10	⚙️
✓	Wireless Black List Default	AND Wireless_Access IdentityGroup-Name EQUALS Endpoint Identity Groups:Blacklist	DenyAccess NSP_Onboard Non_Cisco_IP_Phones PermitAccess Profile_group1	Select from list	0	⚙️
✓	Profiled Cisco IP Phones	IdentityGroup-Name EQUALS Endpoint Identity Groups:Profiled:Cisco-IP-Phone	Non_Cisco_IP_Phones	Select from list	0	⚙️
✓	Profiled Non Cisco IP Phones	Non_Cisco_Profiled_Phones	Non_Cisco_IP_Phones	Select from list	0	⚙️

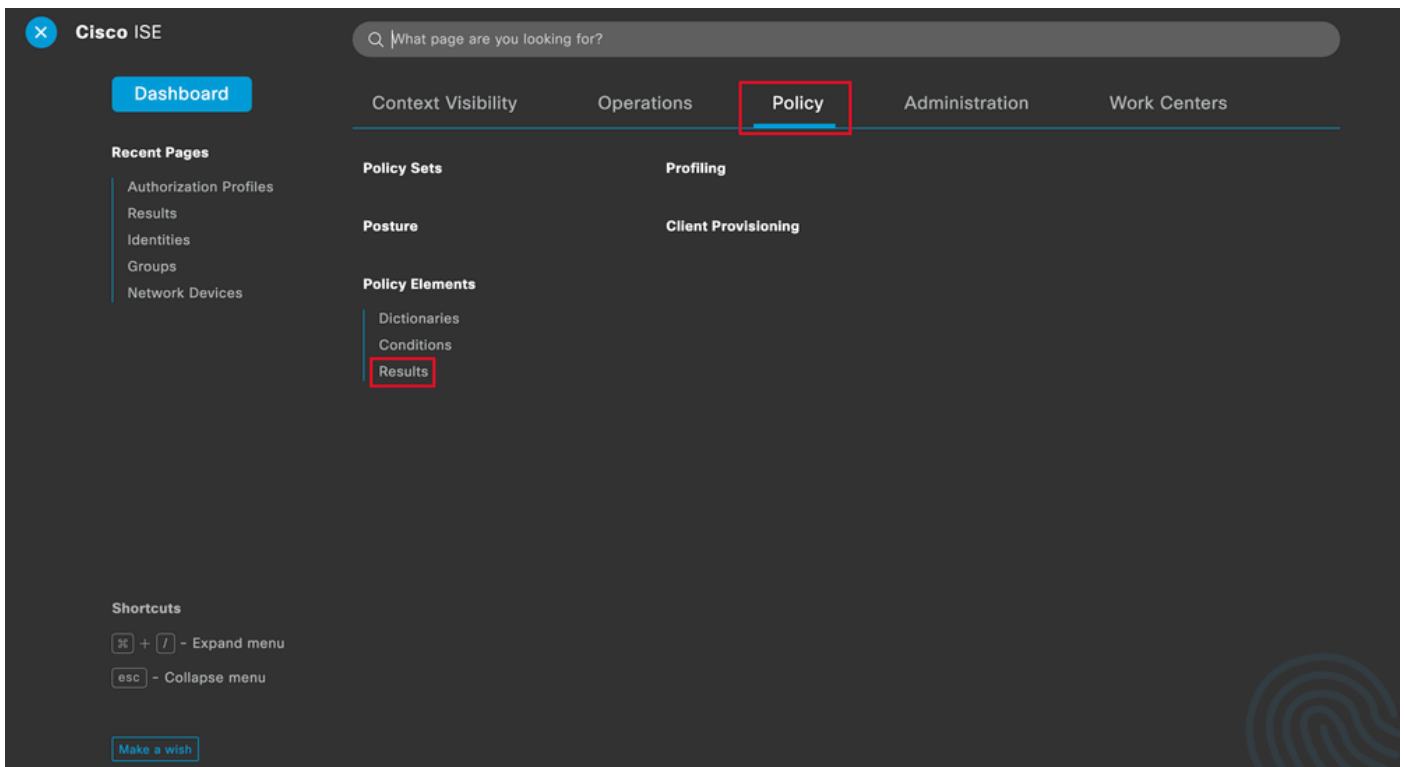
分配授权配置文件

Click Save.



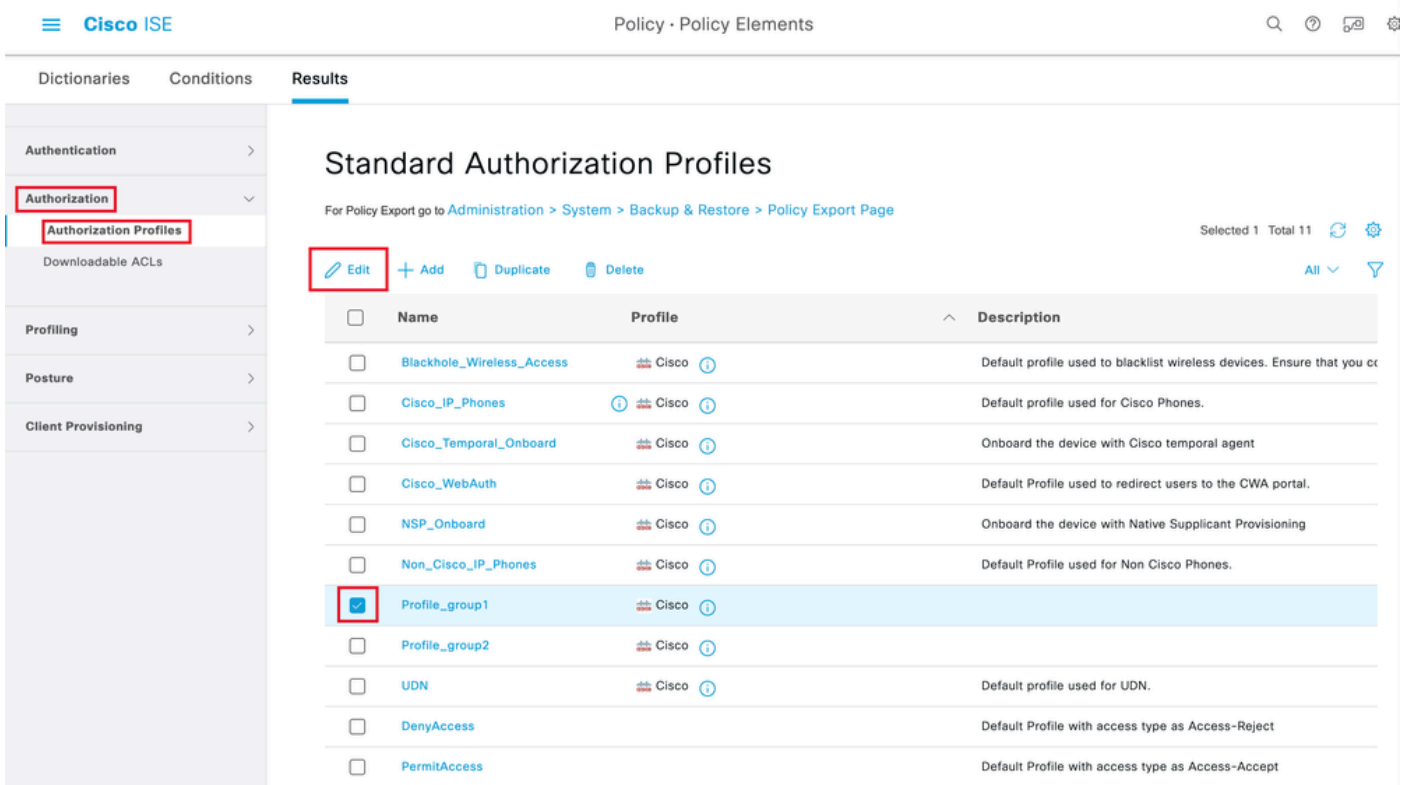
注意：重复步骤8到11，为每个组创建必要的授权规则。

第 12 步（可选）：如果需要编辑授权配置文件，请导航到Policy > Results：



ISE常规菜单

导航到授权>授权配置文件。单击要修改的配置文件的复选框，然后单击Edit：



编辑授权配置文件

客户端配置

步骤1:使用XML配置文件编辑器创建XML配置文件。此示例是用于创建本文档的示例：

<#root>

```
<AnyConnectProfile xmlns="http://schemas.xmlsoap.org/encoding/" xmlns:xsi="http://www.w3.org/2001/XMLSchema"
  <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
    </AutoReconnect>
    <AutoReconnectBehavior UserControllable="false">ReconnectAfterResume</AutoReconnectBehavior>
    <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
    </PPPExclusion>
    <PPPExclusionServerIP UserControllable="false"/>
    <EnableScripting UserControllable="false">false</EnableScripting>
    <EnableAutomaticServerSelection UserControllable="false">
      false
    </EnableAutomaticServerSelection>
    <AutoServerSelectionImprovement>20</AutoServerSelectionImprovement>
    <AutoServerSelectionSuspendTime>4</AutoServerSelectionSuspendTime>
    <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>

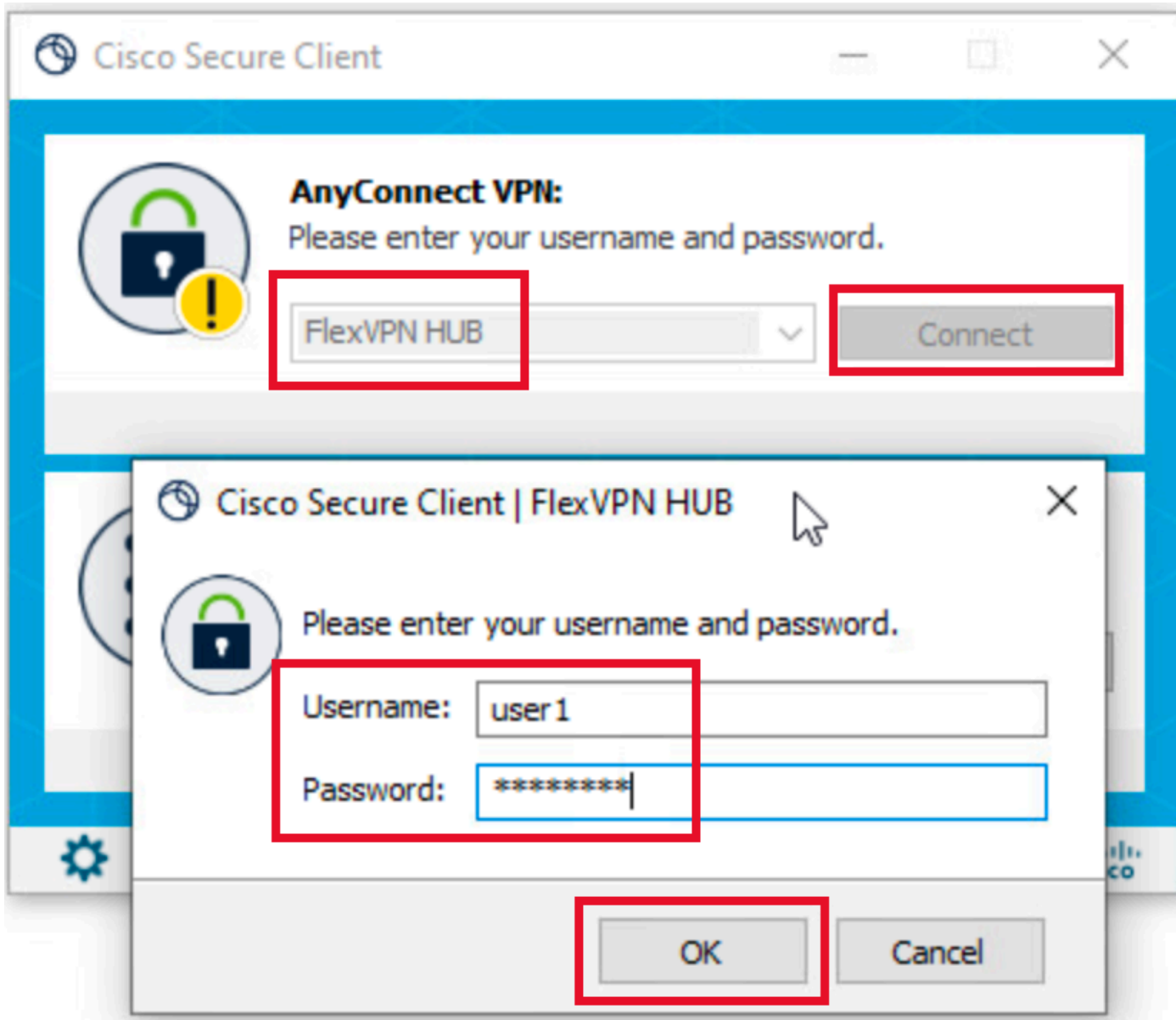
cisco.example

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

- <HostName> -用于指代主机、IP地址或完全限定域名(FQDN)的别名。这在CSC框中显示。
- <HostAddress> - FlexVPN集线器的IP地址或FQDN。
- <PrimaryProtocol> -必须设置为IPsec以强制客户端使用IKEv2/IPsec而不是SSL。
- <AuthMethodDuringIKENegotiation> -必须设置为在EAP中使用EAP-MD5。这是根据ISE服务器进行身份验证所必需的。
- <IKEIdentity> -此字符串由客户端作为ID_GROUP类型ID负载发送。这可用于将客户端与中心上的特定IKEv2配置文件进行匹配。

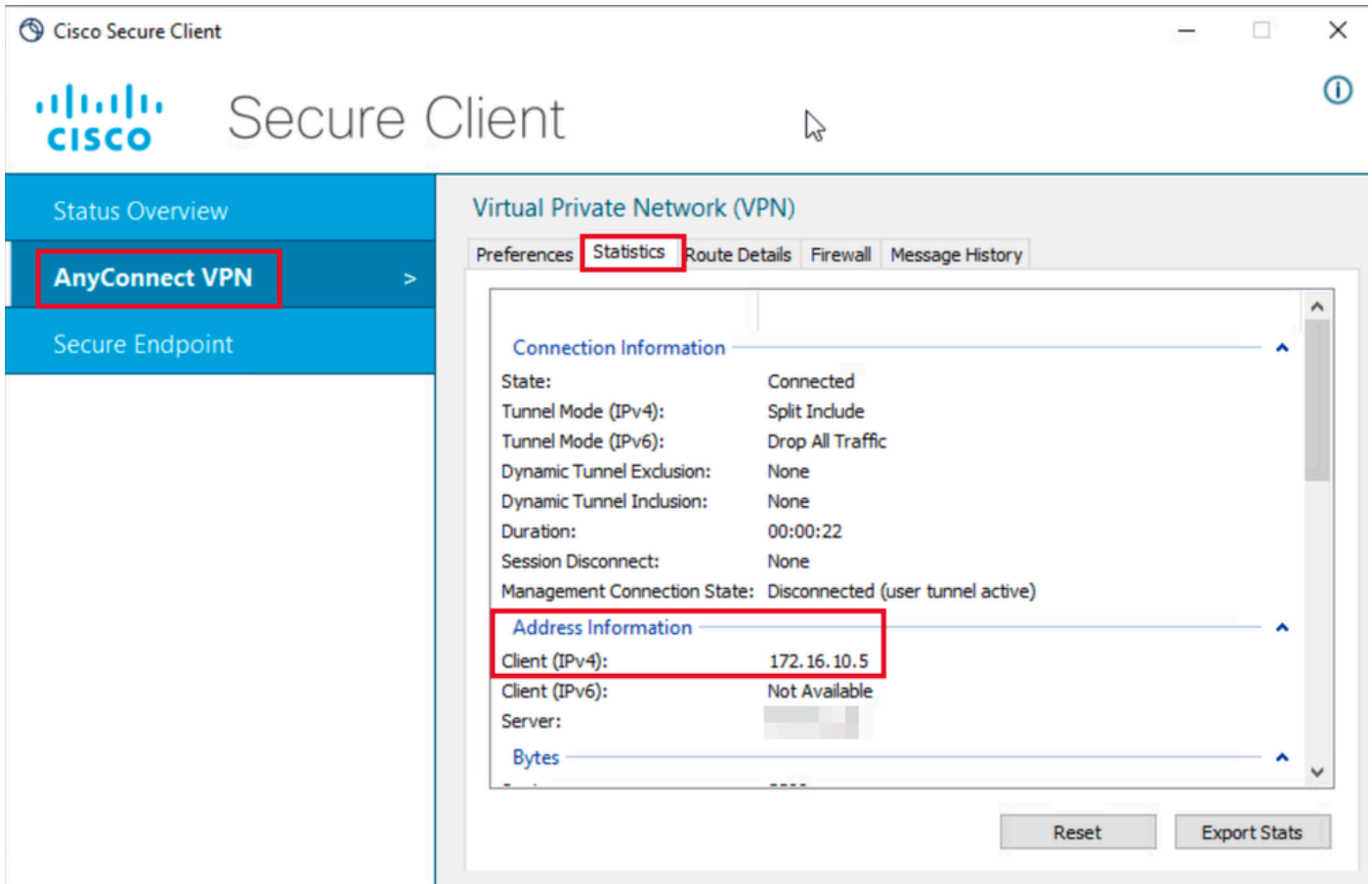
验证

步骤1:导航到安装CSC的客户端。连接到FlexVPN中心并输入user1凭证：



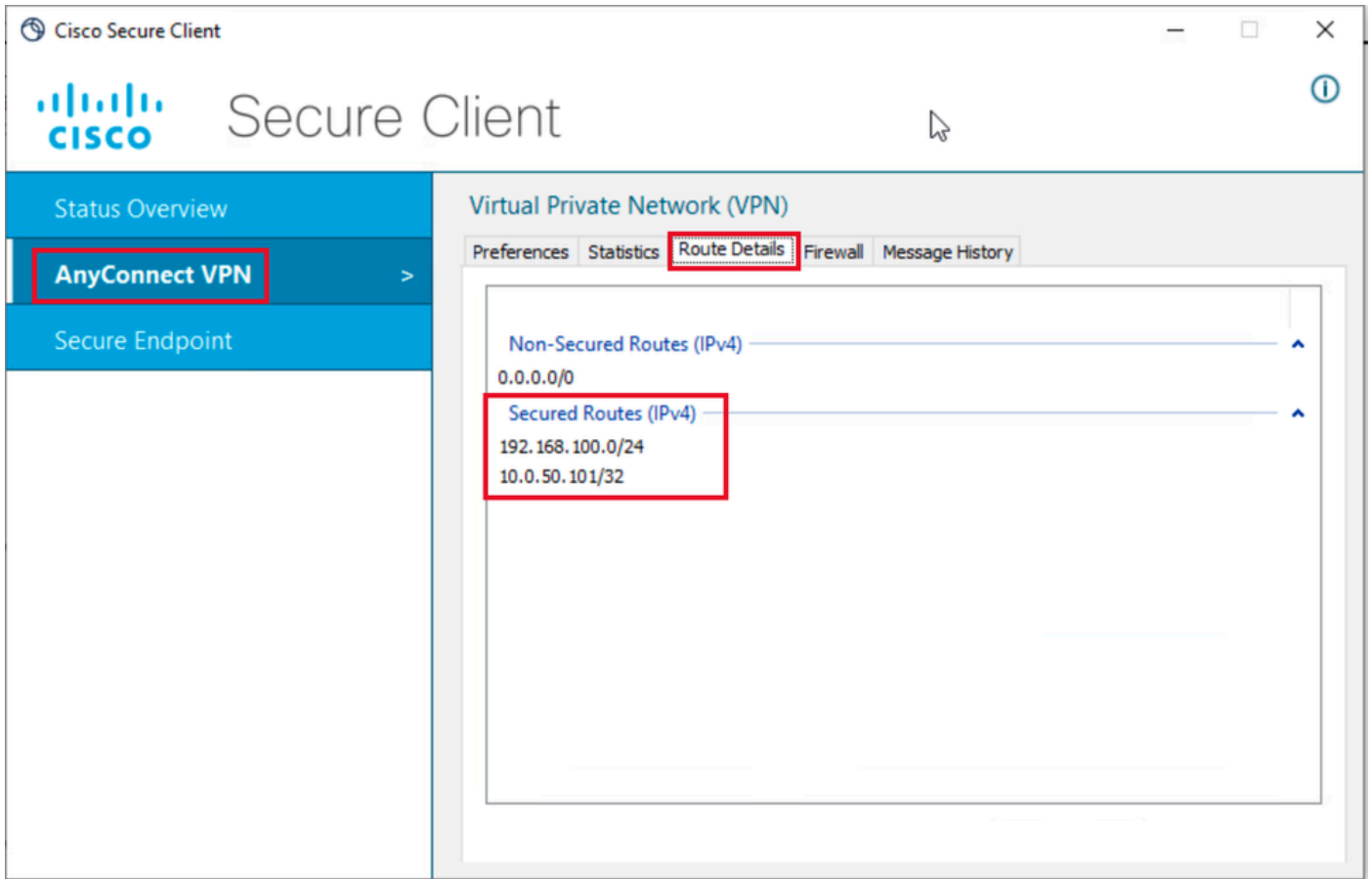
User1凭证

第二步：建立连接后，点击齿轮图标（左下角）并导航到AnyConnectVPN > Statistics。在地址信息部分中确认分配的IP地址属于为组1配置的池：



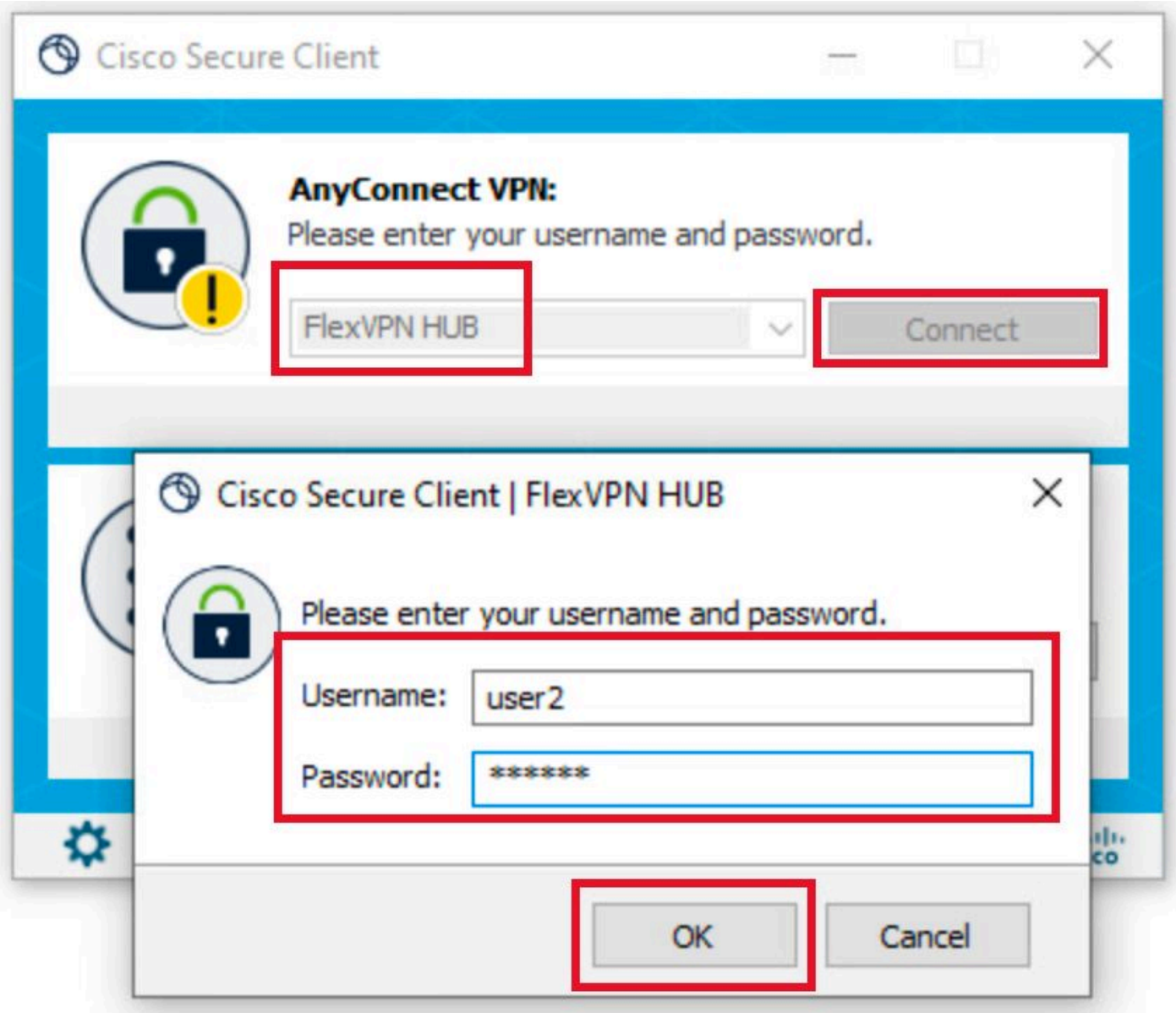
User1统计信息

导航到AnyConnectVPN > Route details，确认显示的信息对应于为group1配置的安全路由和DNS：

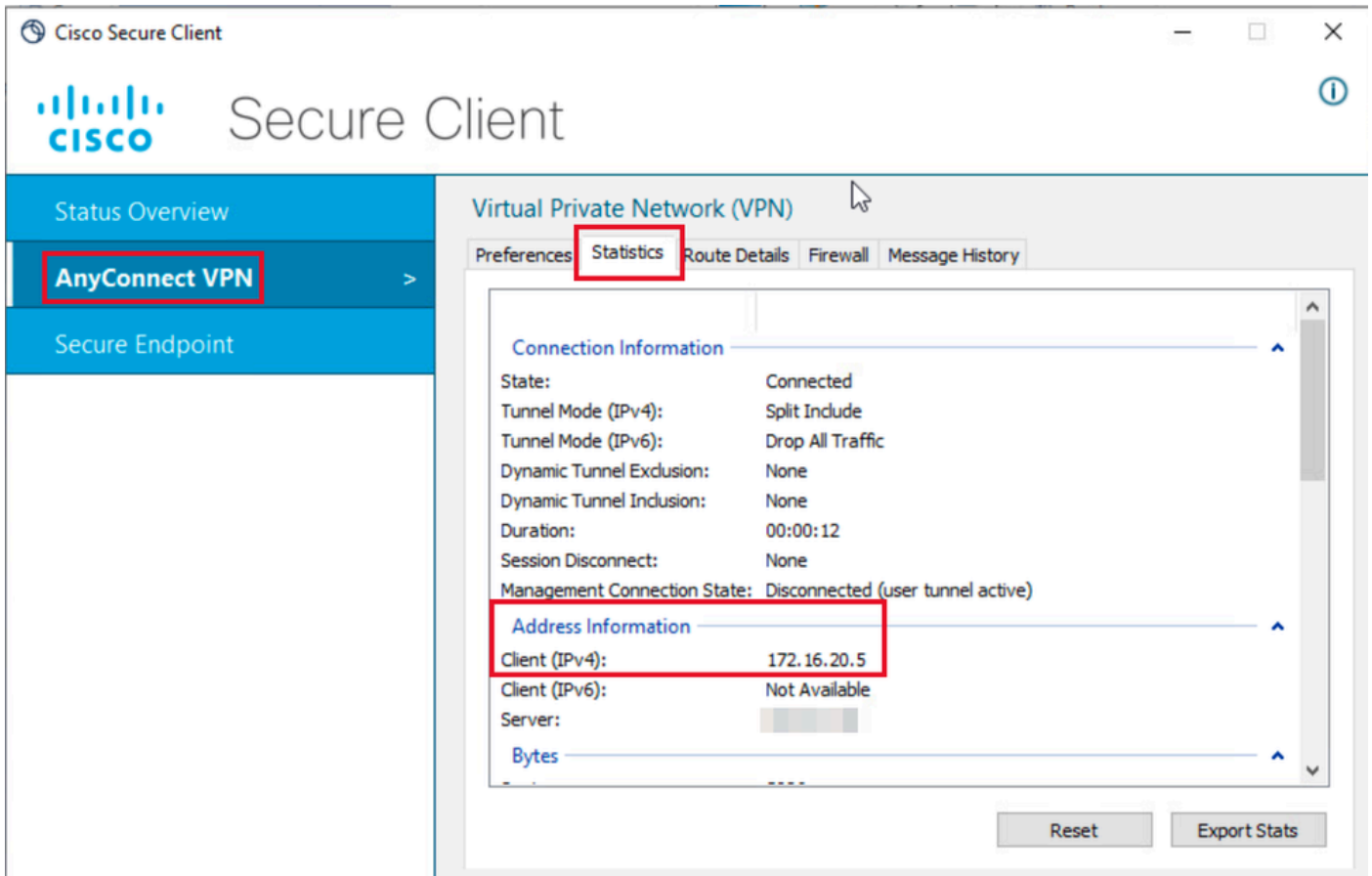


用户1路由详细信息

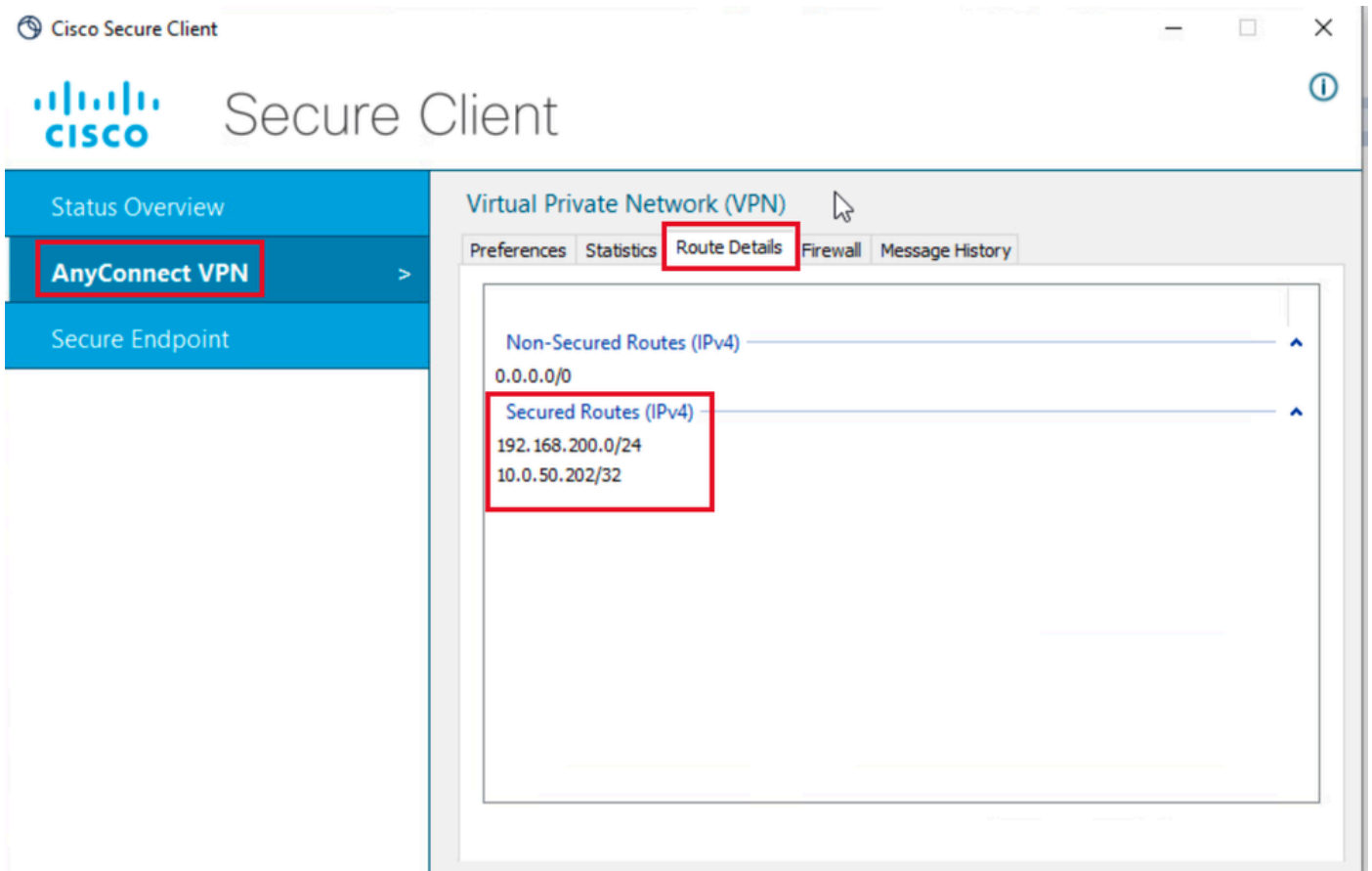
第三步：对user2凭证重复第1步和第2步，检查信息是否与此组的ISE授权策略上配置的值匹配：



用户2凭证



用户2统计信息



用户2路由详细信息

故障排除

调试和日志

在Cisco路由器上：

1. 使用IKEv2和IPSec调试验证头端和客户端之间的协商：

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

2. 使用AAA调试验证本地和/或远程属性的分配：

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

在ISE上：

- RADIUS实时日志

工作场景

接下来的输出是成功连接的示例：

- 用户1调试输出：

<#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=L2L42F2F0116Z02L42F2F016FZH1194CAE2Z
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*?0]
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 [2L42F2F0116Z02L4]
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@0XH6]
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=L2L42F2F0116Z02L42F2F016FZH1194CAE2Z
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 [2L42F2F0116Z02L4]
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 [2L42F2F0116Z02L4]
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(000000FF):Orig. component type = VPN IPSEC
Jan 30 02:57:21.103: RADIUS/ENCODE(000000FF): dropping service type, "radius-server attribute 6 on-for-
Jan 30 02:57:21.103: RADIUS(000000FF): 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(000000FF): Config NAS IPv6: ::
Jan 30 02:57:21.104: RADIUS/ENCODE(000000FF): acct_session_id: 4245
Jan 30 02:57:21.104: RADIUS(000000FF): 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(000000FF):

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=L2L42F2F0116Z02L42F2F016FZH1194CAE2Z
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 [2L42F2F0116Z02L4]
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(000000FF): Sending a IPv4 Radius Packet
Jan 30 02:57:21.105: RADIUS(000000FF): 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 [6Z02L42F2F016FZH]
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 down
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
```

- 用户2调试输出：

```
<#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=L2L42F2F0116Z02L42F2F016FZH1194E444Z"
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 [2L42F2F0116Z02L4]
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=L2L42F2F0116Z02L42F2F016FZH1194E444Z"
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 [2L42F2F0116Z02L4]
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 [2L42F2F0116Z02L4]
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=L2L42F2F0116Z02L42F2F016FZH1194E444Z"
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 [2L42F2F0116Z02L4]
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 [6Z02L42F2F016FZH]
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

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