

هنيوكتو (IDp) F5 ةيوه رفوم تيبتت ب مق SSO نيكمتل Cisco (IDs) فيرعت ةمدخل

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ةمدقمل

ليجست نيكمتل F5 Big-IP Identity Provider (IDp) لىل ةوجومل نيوكتل دن تسمل اذه فصى
(SSO) يداخال لوخلل.

Cisco تافرعم رشن جذامن

رشنل جتنمل

UCCX كراشم ميقم

PCCE (ةرشابم تانايب) LD و CUIC (Cisco Unified Intelligence Center) عم كرتشم ميقم

UCCE 2k رشن تايلمل LD و CUIC عم ميقم كراشم

ةيلمع فلأ 12 و فالأ 4 غلبت يتل رشنل تايلمل ةلقتسم

ةيساسأل تابلطتمل

تابلطتمل

ةيلاتل عيضاوملاب ةفرعم كيديل نوكت نأب Cisco ي صوت:

- Cisco Unified Contact Center Express (UCCX) و 11.6 رادصلل Cisco Unified Contact Center Enterprise (PCCE) و 11.6 رادصلل Enterprise. عاضتقالا

(تافرعمل) Cisco فيرعت ةمدخب طبتترملا نيوكتل لىل دن تسمل اذه ريشي: **ةظحالم**

• VLANs -> ةكبش تحت ديڭ VLAN ت قلخ

The screenshot shows the F5 Network Management GUI. The top navigation bar indicates the device is 'ONLINE (ACTIVE)' and 'Standalone'. The main navigation menu on the left includes options like Statistics, iApps, Wizards, DNS, SSL Orchestrator, Local Traffic, Traffic Intelligence, Acceleration, Access, Device Management, and Network. Under the 'Network' section, 'VLANs' is selected.

The main content area is titled 'Network >> VLANs : VLAN List >> external'. It shows the configuration for a VLAN named 'external'. The 'General Properties' section includes:

- Name: external
- Partition / Path: Common
- Description: (empty text box)
- Tag: 4093

The 'Resources' section shows the 'Interfaces' configuration. The 'Interface' is set to '1.2' and 'Tagging' is set to 'Select...'. An 'Add' button is present, and a list below shows '1.1 (untagged)'. 'Edit' and 'Delete' buttons are also available.

The 'Configuration' section is set to 'Basic' and includes:

- Source Check:
- MTU: 1500
- Auto Last Hop: Default

The 'sFlow' section includes:

- Polling Interval: Default (Default Value: 10 seconds)
- Sampling Rate: Default (Default Value: 2048 packets)

At the bottom, there are 'Update', 'Cancel', and 'Delete' buttons.

• ةيتاذل IP نيوانع -> ةكبش تحت IdP فرعمل همادختسا متي IP ل ديڭ لاخدا عاشناب مق



Configuration

Name	10.78.93.61
Partition / Path	Common
IP Address	10.78.93.61
Netmask	<input type="text" value="255.255.255.0"/>
VLAN / Tunnel	<input type="text" value="external"/>
Port Lockdown	<input type="text" value="Allow Default"/>
Traffic Group	<input type="checkbox"/> Inherit traffic group from current partition / path <input type="text" value="traffic-group-local-only (non-floating)"/>
Service Policy	<input type="text" value="None"/>

- لوصول في رعت تا فلمم -> جهن/ في رعت فلمم -> Access تحت في رعت فلمم ءاشن |

General Properties	
Name	profileLDAP
Partition / Path	Common
Parent Profile	access
Profile Type	All
Profile Scope	Virtual Server ▾

Settings	
Inactivity Timeout	30 seconds
Access Policy Timeout	30 seconds
Maximum Session Timeout	30 seconds
Minimum Authentication Failure Delay	2 seconds
Maximum Authentication Failure Delay	5 seconds
Max Concurrent Users	5
Max Sessions Per User	2
Max In Progress Sessions Per Client IP	128
Restrict to Single Client IP	<input type="checkbox"/>
Use HTTP Status 503 for Error Pages	<input type="checkbox"/>

Configurations	
Logout URI Include	URI <input type="text"/> Add <input type="text"/> Edit Delete
Logout URI Timeout	5 seconds
Microsoft Exchange	None ▾
User Identification Method	HTTP ▾
OAuth Profile	+ None ▾

Language Settings															
Additional Languages	Afar (aa) ▾ Add														
Languages	<table border="0"> <thead> <tr> <th>Accepted Languages</th> <th>Factory BuiltIn Languages</th> </tr> </thead> <tbody> <tr> <td>English (en)</td> <td>Japanese (ja)</td> </tr> <tr> <td></td> <td>Chinese (Simplified) (zh-cn)</td> </tr> <tr> <td></td> <td>Chinese (Traditional) (zh-tw)</td> </tr> <tr> <td></td> <td>Korean (ko)</td> </tr> <tr> <td></td> <td>Spanish (es)</td> </tr> <tr> <td></td> <td>French (fr)</td> </tr> </tbody> </table>	Accepted Languages	Factory BuiltIn Languages	English (en)	Japanese (ja)		Chinese (Simplified) (zh-cn)		Chinese (Traditional) (zh-tw)		Korean (ko)		Spanish (es)		French (fr)
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	Chinese (Traditional) (zh-tw)														
	Korean (ko)														
	Spanish (es)														
	French (fr)														

- یرهاظ مداخل عاشن |

General Properties

Name	ldp_Test
Partition / Path	Common
Description	<input type="text"/>
Type	Standard ▾
Source Address	0.0.0.0/0 <input type="text"/>
Destination Address/Mask	10.78.93.62 <input type="text"/>
Service Port	443 <input type="text"/> HTTPS ▾
Notify Status to Virtual Address	<input checked="" type="checkbox"/>
Availability	<input type="checkbox"/> Unknown (Enabled) - The children pool member(s) either don't have service checking enabled, or service check results are not available yet
Syncookie Status	Off
State	Enabled ▾

Configuration: Basic ▾

SSL Profile (Client)	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #ccc; padding: 5px; width: 45%;"> <p style="text-align: center; margin: 0;">Selected</p> <p>/Common clientssl</p> </div> <div style="text-align: center; width: 10%;"> <p><<</p> <p>>></p> </div> <div style="border: 1px solid #ccc; padding: 5px; width: 45%;"> <p style="text-align: center; margin: 0;">Available</p> <p>/Common clientssl-insecure-compatible clientssl-secure crypto-server-default-clientssl splitsession-default-clientssl</p> </div> </div>
SSL Profile (Server)	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #ccc; padding: 5px; width: 45%;"> <p style="text-align: center; margin: 0;">Selected</p> <p>/Common serverssl</p> </div> <div style="text-align: center; width: 10%;"> <p><<</p> <p>>></p> </div> <div style="border: 1px solid #ccc; padding: 5px; width: 45%;"> <p style="text-align: center; margin: 0;">Available</p> <p>/Common apm-default-serverssl crypto-client-default-serverssl pcoip-default-serverssl serverssl-insecure-compatible</p> </div> </div>
SMTSPS Profile	None ▾
Client LDAP Profile	None ▾
Server LDAP Profile	None ▾
SMTP Profile	None ▾
VLAN and Tunnel Traffic	All VLANs and Tunnels ▾
Source Address Translation	None ▾
Content Rewrite	
Rewrite Profile	+ None ▾
HTML Profile	None ▾
Access Policy	
Access Profile	profileLDAP ▾
Connectivity Profile	+ None ▾
Per-Request Policy	None ▾
VDI Profile	None ▾
Application Tunnels (Java & Per-App VPN)	<input type="checkbox"/> Enabled
OAM Support	<input type="checkbox"/> Enabled
PingAccess Profile	None ▾
Acceleration	
Rate Class	None ▾
OneConnect Profile	None ▾
NTLM Conn Pool	None ▾
HTTP Compression Profile	None ▾
Web Acceleration Profile	None ▾
HTTP/2 Profile	None ▾
<input type="button" value="Update"/> <input type="button" value="Delete"/>	

- Active Directory (AD) لي صافات ة فاضا | -> Active Directory -> ة ق د اص م ل ا -> Access ن م ض



General Properties

Name	adfs
Partition / Path	Common
Type	Active Directory

Configuration

Domain Name	<input type="text" value="cisco.com"/>
Server Connection	<input checked="" type="radio"/> Use Pool <input type="radio"/> Direct
Domain Controller Pool Name	<input type="text" value="/Common/pool"/>
Domain Controllers	<p>IP Address: <input type="text"/></p> <p>Hostname: <input type="text"/></p> <p><input type="button" value="Add"/></p> <div style="border: 1px solid gray; padding: 5px;"> <p>10.78.93.153 adfsserver.cisco.com</p> </div> <p><input type="button" value="Edit"/> <input type="button" value="Delete"/></p>
Server Pool Monitor	<input type="text" value="none"/>
Admin Name	<input type="text" value="Administrator"/>
Admin Password	<input type="password" value="....."/>
Verify Admin Password	<input type="password" value="....."/>
Group Cache Lifetime	<input type="text" value="30"/> Days <input type="button" value="Clear Cache"/>
Password Security Object Cache Lifetime	<input type="text" value="30"/> Days <input type="button" value="Clear Cache"/>
Kerberos Preauthentication Encryption Type	<input type="text" value="None"/>
Timeout	<input type="text" value="15"/> seconds

- في حمل ال IdP تامدخ -> SAML Identity Provider -> دا حال ا -> Access تحت ة دي دج IdP ة مدخ عاشن ا

Edit IdP Service ✕

- General Settings
- SAML Profiles
- Endpoint Settings
- Assertion Settings
- SAML Attributes
- Security Settings

IdP Service Name*:
/Common/smart-86-idpservice

IdP Entity ID*:

IdP Name Settings







Scheme : Host :

Description :

Log Setting :

Edit IdP Service



-  General Settings
-  SAML Profiles
-  Endpoint Settings
-  Assertion Settings
-  SAML Attributes
-  Security Settings

SAML Profiles

- Web Browser SSO
- Enhanced Client or Proxy Profile (ECP)

OK

Cancel

Edit IdP Service

- General Settings
- SAML Profiles
- Endpoint Settings
- Assertion Settings**
- SAML Attributes
- Security Settings

Assertion Subject Type :
 Transient Identifier

Assertion Subject Value*:
 %{session.logon.last.username}

Authentication Context Class Reference :
 urn:oasis:names:tc:SAML:2.0:ac:classes:PasswordProtectedTransport

Assertion Validity (in seconds) :
 600

Enable encryption of Subject

Encryption Strength :
 AES128

OK Cancel

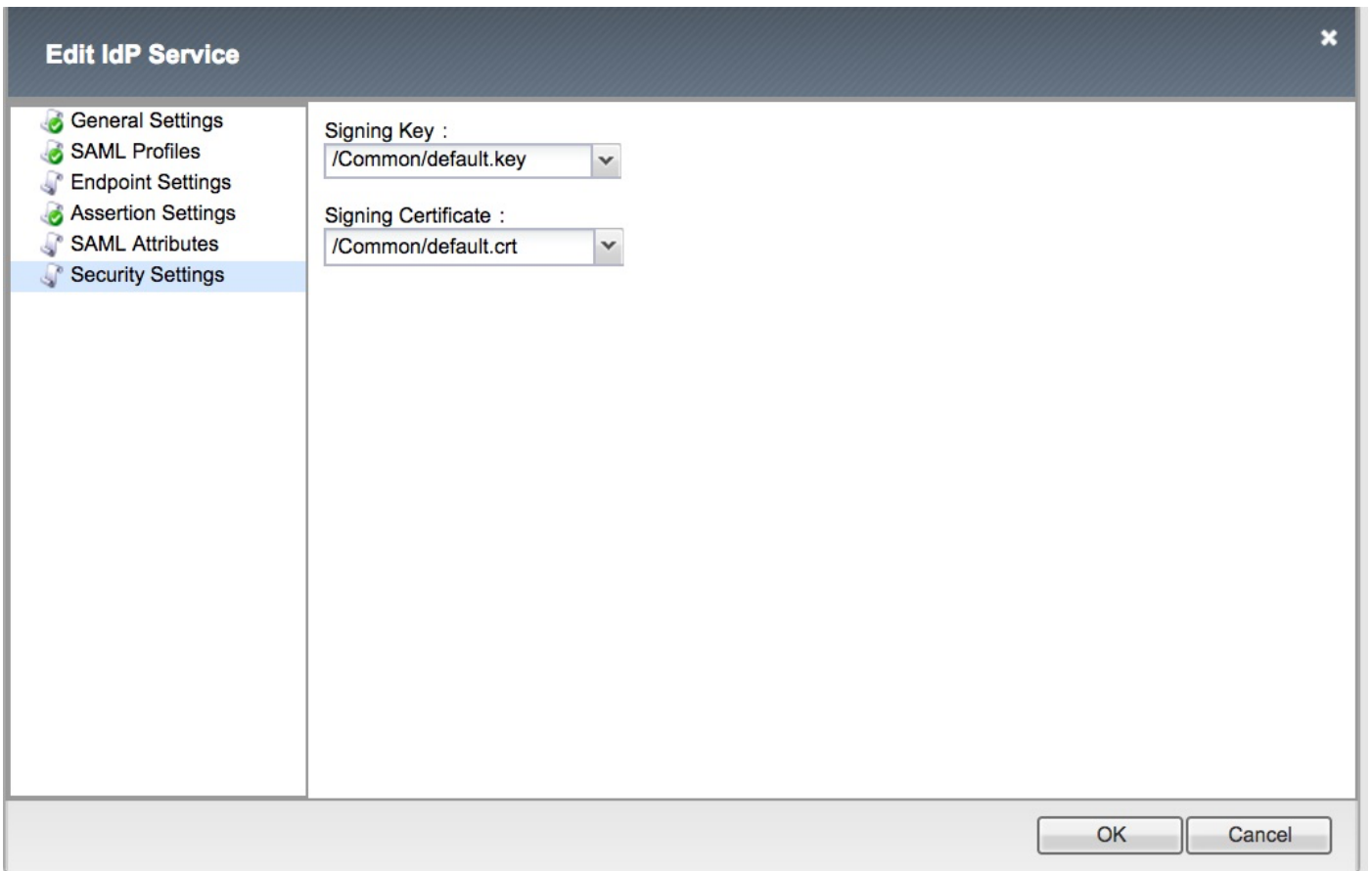
هذه ة فاضل مزلي، ة قداصل لل (CAC) ة كرتشم لوصو ة قاطب مادختسا ة لاج يف : ة ظحال
 SAML تامس نيوك ت مسق يف تامسلا

uid ة مسلا عاشن 1. ة وطلال

مدختسمل فرعم : مسالا
 ة ميقل : %{session.ldap.last.attr.sAMAccountName}

user_principal ة مس عاشن اب مق 2. ة وطلال

مسالا : user_principal
 ة ميقل : %{session.ldap.last.attr.userPrincipalName}



رزمادختساب فيرعتال تانايب ليزنتل راخ كانه نوكي، IdP ةمدخ عاشنإ درجمب :ةظحالم
IdP تامدخ - SAML ةيوه رفوم -> Federation -> Access تحت فيرعتال تانايب ري دصت
ةيلحمل

(SAML) نامألا ديكأت زيمرت ةغل عاشنإ

دراوم SAML

- يتل IdP ةمدخب ه نارتقال ادروم دجوأو SAML Resources -> Federation -> Access ىلإ لقتنا
اقباس اهؤاشنإ مت



Properties

General Properties

Name	smart-86-samlresource
Partition / Path	Common
Description	<input type="text"/>
Publish on Webtop	<input type="checkbox"/> Enable

Configuration

SSO Configuration	smart-86-idpservice
-------------------	---------------------

Customization Settings for English

Language	English
Caption	<input type="text" value="smart-86-samlresource"/>
Detailed Description	<input type="text"/>
Image	<input type="button" value="Choose file"/> No file chosen View/Hide

زلبېو

- Access ->Webtops تحت Webtop ءاشن ا



Properties

General Properties

Name	Smart-86-Webtop
Partition / Path	Common
Type	Full

Configuration

Minimize To Tray	<input checked="" type="checkbox"/> Enabled
Show a warning message when the webtop window close	<input checked="" type="checkbox"/> Enabled
Show URL Entry Field	<input checked="" type="checkbox"/> Enabled
Show Resource Search	<input checked="" type="checkbox"/> Enabled

Fallback Section

Initial State	Expanded ▾
---------------	------------

Update

Delete

ي ره اظلا جهنلا رحم

- ريرت طابت را قوف رونا و اق بسم هؤاشن ا مت يذلا جهنلا ىلا لقتنا

Access » Profiles / Policies : Access Profiles (Per-Session Policies)

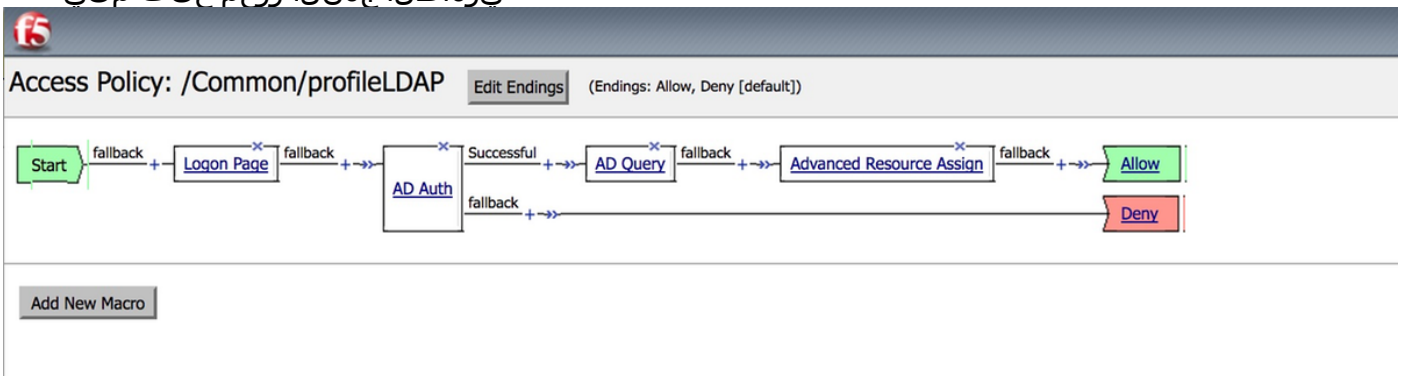
Access Profiles | Per-Request Policies | Policy Sync | Customization

Search

✓	▼	Status	Access Profile Name	Application	Profile Type	Per-Session Policy	Export	Copy	Logs	Virtual Servers	Partition / Path
<input type="checkbox"/>		✔	LDAPAccessProfile		SSO				default-log-setting	LdapVS	Common
<input type="checkbox"/>		✔	Name		All		Export...	Copy...	default-log-setting		Common
<input type="checkbox"/>		✔	Smart-86-AccessProfile		LTM-APM		Export...	Copy...	default-log-setting		Common
<input type="checkbox"/>		✔	Test		SSO				default-log-setting		Common
<input type="checkbox"/>		✔	access		All	(none)	(none)	(none)			Common
<input type="checkbox"/>		✔	profile2		SSL-VPN		Edit...	Export...	Copy...	default-log-setting	Common
<input type="checkbox"/>		✔	profile3		LTM-APM		Edit...	Export...	Copy...	default-log-setting	Common
<input type="checkbox"/>		✔	profileLDAP		All		Edit...	Export...	Copy...	default-log-setting	IdP Idp_Test

Delete... | Apply

• ڀرھائڻ لاءِ ڄھن لاءِ ررحم حتف متي



- حضورم وه امڪ رصانع ءفاضا ءنوقي او + قوف رقنا
- ڀضارت فالال ءضولا لاءِ رصانع لاءِ ڪرتا - لوڊل لاءِ ڄست ءحفص رصنع 1. ءوطخل
- اقبسم هؤاشن لاءِ مت ڀڏل ADFS نڀوڪت رتخا -> نالء لاءِ قءاصم 2. ءوطخل

Properties

Branch Rules

Name: AD Auth

Active Directory

Type	Authentication ↕
Server	/Common/adfs ↕
Cross Domain Support	Disabled ↕
Complexity check for Password Reset	Disabled ↕
Show Extended Error	Disabled ↕
Max Logon Attempts Allowed	3 ↕
Max Password Reset Attempts Allowed	3 ↕

ة. رورض لال ل صافات لال ن ي ع ت - AD م ال ع ت سا ر ص ن ع 3. ة و ط خ لال

Properties **Branch Rules**

Name:

Active Directory

Type	Query
Server	/Common/adfs
SearchFilter	sAMAccountName=%{session.logon.last.username}
Fetch Primary Group	Disabled
Cross Domain Support	Disabled
Fetch Nested Groups	Disabled
Complexity check for Password Reset	Disabled
Max Password Reset Attempts Allowed	3
Prompt user to change password before expiration	none 0

Add new entry Insert Before: 1

Required Attributes (optional)		
1	<input type="text" value="cn"/>	▼ ✕
2	<input type="text" value="displayName"/>	▲ ▼ ✕
3	<input type="text" value="distinguishedName"/>	▲ ▼ ✕
4	<input type="text" value="dn"/>	▲ ▼ ✕
5	<input type="text" value="employeeID"/>	▲ ▼ ✕
6	<input type="text" value="givenName"/>	▲ ▼ ✕
7	<input type="text" value="homeMDB"/>	▲ ▼ ✕
8	<input type="text" value="mail"/>	▲ ▼ ✕

Cancel Save Help

اقبس م هؤاشنن مت يذلا ب يولا حطسو SAML دروم نارقا - ةمدقتملا دراوملا نييعت 4. ةوخللا

Properties **Branch Rules**

Name:

Resource Assignment

[Add new entry](#) Inst

Expression: *Empty* [change](#)

1 **SAML:** /Common/ids_pipeline, /Common/smart-86-samlresource
Webtop: /Common/Smart-86-Webtop
[Add/Delete](#)

(SP) ةمدخل رقوم فيرعت تانايب لدابت

- ةكرح ةراد| -> تاداهش ل ةراد| -> ماظن ل لال خ نم Big-IP ل اوي تافر عمل ةداهش داريت سا| رورم ل
ةداهش ل ةياهنو ةداهش ل ةيادب تامال ع نم نوكتت ةداهش ل نأ نم دكأت :ةظحال م

General Properties

Name	smart88crt.crt
Partition / Path	Common
Certificate Subject(s)	smart-88.cisco.com

Certificate Properties

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Nov 17 2019 21:10:10 GMT
Version	3
Serial Number	915349505
Subject	Common Name: smart-88.cisco.com Organization: Division: Locality: State Or Province: Country:
Issuer	Self
Email	
Subject Alternative Name	

- تال صوم -> SAML Identity Provider -> federation -> Access نم ض sp.xml نم ديدج ل اخدم اش ن ا
- ةي ل حم ل IdP تام د خ -> SAML ةي وه رفوم -> د ا ح ت ال ا -> Access ح ت IdP ةم د خ ب SP ل صوم ط بر .

ة ح ص ل ا نم ق ق ح ت ل ا

ن ي و ك ت ل ا ا ذ ه ة ح ص نم ق ق ح ت ل ل ا ر ج ا ا ي ل ا ح د ج و ي ال

ا ه ح ال ص ا و ا ط خ ال ا ف ا ش ك ت س ا

(CAC) ك ر ت ش م ل ا ل و ص و ل ا ة ق ا ط ب ة ق د ا ص م ل ش ف

نم ق ق ح ت ل ل UCCX.log ت ا ف ر ع م نم ق ق ح ت ف ، CAC ي م د خ ت س م ل SSO ة ق د ا ص م ت ل ش ف ا ذ ا
ح ي ح ص ل ك ش ب SAML ت ا م س ن ي ي ع ت

لجسلا عزج يف ،لالملا لېبس ىلع .SAML لشف ثدحي ،نيوكتلا يف ةلكشم كانه تناك اذا
لجسلا لىع IdP لىع SAML user_principal ةمس نيوكت متي مل ،اذه

```
YYYY-MM-DD HH:mm:ss.SSS GMT(-0000) [IDseNdPoints-SAML-59] ERROR  
com.cisco.ccbu.ids IdSSAMLAyncServlet.java:465 - : user_principal  
YYYY-MM-DD HH:mm:ss.SSS GMT(-0000) [IDseNdPoints-SAML-59] ERROR  
com.cisco.ccbu.ids IdSSAMLAyncServlet.java:298 - SAML  
com.sun.identity.saml.common.samleXception: user_principal saml  
at  
com.cisco.ccbu.ids.auth.api.IdSSAMLAyncServlet.getAttributeFromAttributesMap(IdSSAMLAyncServlet.java:4  
66)  
at  
com.cisco.ccbu.ids.auth.api.IdSSAMLAyncServlet.processSamlPostResponse(IdSSAMLAyncServlet.java:263  
)  
at  
com.cisco.ccbu.ids.auth.api.IdSSAMLAyncServlet.processIdSEndPointRequest(IdSSAMLAyncServlet.java:17  
6)  
at com.cisco.ccbu.ids.auth.api.IdSEndPoint$1.run(IdSEndPoint.java:269)  
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1145)  
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:615)  
java.lang.Thread.run(Thread.java:745)
```

ةلص تاذا تامولعم

- [تادنتس مل او ينقتلا معدلا - Cisco Systems](#)

ةمچرتل هذه لوج

ةللأل تاي نقتل نم ةومچم مادختساب دن تسمل اذہ Cisco تچرت
ملاعلاء انءمچي فني مدختسمل معدى وتحم مي دقتل ةيرشبلاو
امك ةقيقد نوك تنل ةللأل ةمچرت لصف أن ةظحال مچري. ةصاخلا مهتغب
Cisco يلخت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحا وه
ىلإ أمئاد عوچرلاب ي صؤت وتامچرتل هذه ةقد نع اهتيلوئسم Cisco
Systems (رفوتم طبارلا) ي لصلأل يزي لچنل دن تسمل