使用雙域的Expressway上的CMS配置代理 WebRTC

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簡介

本檔案介紹透過Expressway為思科會議伺服器(CMS)設定具有不同內部和外部網域的代理Web即時通訊(webRTC)的範例。

必要條件

需求

思科建議您瞭解以下主題:

- CMS單一組合部署版本2.1.4及更高版本
- Expressway C和Expressway E版本X8.9.2及更高版本
- •在CMS上配置的Callbridge和Webbridge
- •在Expressway對上啟用移動和遠端訪問(MRA)
- 使用中繼NAT(TURN)選項金鑰向Expressway-E新增的遍歷
- •Webbridge URL的外部可解析域名伺服器(DNS)記錄(對於外部域)

- 從外部到內部域的CMS IP地址的內部可解析DNS記錄
- •在CMS上為內部和外部域配置的可擴展消息傳送和線上狀態協定(XMPP)多域
- 從公共Internet到Expressway E的公共IP地址在防火牆上開啟的TCP埠443
- 從公共Internet到Expressway E的公共IP地址在防火牆上開啟的TCP和UDP埠3478
- •在防火牆上開啟24000-29999的UDP埠範圍與Expressway-E的公共IP地址之間的連線

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- •CMS單一組合部署版本2.2.1
- Expressway-C和Expressway-E,帶雙網路介面卡(NIC)和靜態網路位址轉譯(NAT)軟體版本 X8.9.2
- 郵遞員

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路正在作用,請確保您已瞭解任何指令可能造成的影響。

設定

網路圖表



webRTC internal domain

技術問答

內部域 外部域 CMS IP地址 Expressway-C IP地址 Expressway-E LAN1 IP地址(內部) Expressway-E LAN2 IP地址(外部) 靜態NAT IP地址 cms.octavio.local octavio.com 172.16.85.180 172.16.85.167 172.16.85.168 192.168.245.61 10.88.246.156

DNS配置

內部DNS配置

B DNS Na	ime	Туре	Data 🔺	Timestamp
ACTIVEDIRECTORY	_xmpp-client	Service Location (SRV)	[10][10][5222] xmpp.cms.octavio.local.	static
a 📔 Forward Lookup Zones 📗 🗐	_xmpp-server	(V)	[10][10][5209] xmpp.cms.octavio.local.	static
Image: Second	_cisco-udsEXT	ernal domain w	[10][10][8443] ocucmp.octavio.local.	static
⊿ 🔂 octavio.com	_cuplogin reso	ives to internal w	[10][10][8443] ocupsp.octavio.local.	static

A DNS	Name	Туре	Data	Timestamp
⊿ ACTIVEDIRECTORY ⊿ Proward Lookup Zones	_tcp	Host (A)	External webbridge URL resolves to internal IP address	static
msdcs.octavio.local	cmsweb	Host (A)	172.16.85.180	static
⊿ 🔯 octavio.com	(same as parent folder) (same as parent folder)	Start of Authority (SOA) Name Server (NS)	[10], activedirectory.octavio.local., hostmaster.octavio.local. activedirectory.octavio.local.	static static

外部DNS配置

外部DNS必須具有解析為Expressway-E的靜態NAT IP地址的webbridge URL,如圖所示。

🚊 DNS	Name	Туре	Data
 □ □ □ Global Logs □ □ □ Forward Lookup Zones 	tcp tls (same as parent folder) (same as parent folder)	Start of Authority (SOA) Name Server (NS)	[7], mxdc.mx.lab., hostmaster.mx mxdc.mx.lab.
	cmsweb	Host (A)	10.88.246.156
	vcse	Host (A)	10.88.246.156
Coctavio.com			

CMS、Callbridge、Webbridge和XMPP配置

步驟1.您必須啟用callbridge許可證。該圖顯示了處於活動狀態的callbridge許可證。

```
proxyWebRTC> license
Feature: callbridge status: Activated expiry: 2017-Jul-09
```

有關更多許可資訊:

http://www.cisco.com/c/dam/en/us/td/docs/conferencing/ciscoMeetingServer/Deployment_Guide/V ersion-2-1/Cisco-Meeting-Server-2-1-Single-Combined-Server-Deployment.pdf#page=10

步驟2.通過MMP啟用callbridge、webbridge和XMPP,如下圖所示。

proxyWebRTC> callbrid	ge
Listening interfaces	: a
Preferred interface	: none
Key file	: callbridge.key
Certificate file	: callbridge.cer
Address	: none
CA Bundle file	: root.cer
proxyWebRTC>	
proxyWebRTC> webbridge	e
Enabled	: true
Interface whitelist	: a:443
Key file	: webbridge.key
Certificate file	: webbridge.cer
CA Bundle file	: root.cer
Trust bundle	: callbridge.cer
HTTP redirect	: Enabled
Clickonce URL	: none
MSI download URL	: none
DMG download URL	: none
iOS download URL	: none
proxyWebRTC>	
proxyWebRTC> xmpp	
Enabled	: true
Clustered	: false
Domain	: cms.octavio.local
Listening interfaces	: a
Key file	: xmpp.key
Certificate file	: xmpp.cer
CA Bundle file	: root.cer
Max sessions per user	: unlimited
STATUS	: XMPP server running
proxyWebRTC> xmpp mult ***	ti_domain_list
Domain	: octavio.com
Key file	: xmppmu.key

請點選此連結瞭解有關如何啟用這些功能的詳細流程:

Certificate file

Bundle file

http://www.cisco.com/c/dam/en/us/td/docs/conferencing/ciscoMeetingServer/Deployment_Guide/V ersion-2-1/Cisco-Meeting-Server-2-1-Single-Combined-Server-Deployment.pdf

: xmppmu.cer

: root.cer

請點選以下連結瞭解有關如何建立證書的詳細流程:

http://www.cisco.com/c/dam/en/us/td/docs/conferencing/ciscoMeetingServer/Deployment_Guide/V ersion-2-2/Certificate-Guidelines-Single-Combined-Server-Deployment-2-2.pdf

步驟3.導覽至**Configuration > General**上的CMS網頁,並設定Webbridge的內部和外部URL,如下圖 所示。

Web bridge settings	
Guest account client URI	https://cmsweb.cms.octavio.local
Guest account JID domain	cms.octavio.local
Custom background image URI	
Custom login logo URI	
Guest access via ID and passcode	secure: require passcode to be supplied with ID $$
Guest access via hyperlinks	allowed V
User sign in	allowed V
Joining scheduled Lync conferences by ID	not allowed V
IVR	
IVR numeric ID	
Joining scheduled Lync conferences by ID	not allow This FQDN has to be set as SAN on
External access	Expressway-E certificate
Web Bridge URI	https://cmsweb.octavio.com
IVR telephone number	

附註:CMS必須至少配置一個空間。

CMS上已配置空間的示例,如圖所示。

10 March 10	name	URI user part	Secondary URI user part	Additional access methods	Call ID
Proxy v	webRTC	proxywebrtc@cms.octavio.local			100101

附註:必須為內部域和外部域配置來電

下圖所示為傳入呼叫處理配置的域。

Incoming call handling

Call matching

Domain name	Priority	Targets spaces
cms.octavio.local	10	yes
octavio.com	10	yes

TURN配置

步驟1.必須通過Postman通過API配置TURN。此命令用於所有配置。

https://

步驟2.使用POST方法並導航到**Body**,以檢視TURN伺服器引數或對其進行編輯。配置給TURN伺服 器的引數如下圖所示。

POST V https://admin.cms.octavio.local:445/api/v1/turnServers				
uthorization Headers (2) Body Pre-request Script	Tests	iddress		
🖡 form-data 🔎 x-www-form-urlencoded 🔍 raw 🔍 binary				
clientAddress	10.88.246.156 Static NAT	IP address		
username	turnuser	_		
type	cisco standard	ame vord		
tcpPortNumberOverride	3478 configured Expressw	d on av F		
key	value			

步驟3.通過運行方法GET檢查TURN伺服器配置的狀態並復制伺服器ID。必須複製的ID如下圖所示

GET 🗸	https://admin.cms.octavio.local:445/api/v1/turnServers				
Authorization •	Headers (2) Bo	dy Pre-request Script	Tests		
Туре		Basic Auth	×		
Username		admin		The authorization header will be generated and added as a custom header	
Password				Save helper data to request	
		Show Password			
Body Cookies	Headers (10)	Tests			
ody Cookies Pretty Raw	Headers (10) Preview XML	Tests			
Pretty Raw	Headers (10) Preview XML sion="1.0"?> total="1">	Tests			
Body Cookies Pretty Raw 1 xml vers<br 2 - <turnserve 3 - <turnserve< td=""><td>Headers (10) Preview XML sion="1.0"?> ers total="1"> Server id="2aa16ccc-1</td><td>Tests</td><td>13a"></td><td></td></turnserve<></turnserve 	Headers (10) Preview XML sion="1.0"?> ers total="1"> Server id="2aa16ccc-1	Tests	13a">		
Body Cookies Pretty Raw 1 xml vers<br 2 • <turnserve 3 • <turnserve 4 <s 5 <<</s </turnserve </turnserve 	Headers (10) Preview XML sion="1.0"?> ers total="1"> server id="2aa16ccc-; serverAddress>172.16 clientAddress>10.88.;	Tests.	13a">		

步驟4.複製API命令結尾的ID,然後使用GET方法檢視TURN伺服器資訊,如下圖所示。

附註:該資訊不會顯示伺服器的密碼。

Get $$	https://admin.c	ms.octavio.local:445/ap	i/v1/turnServer <mark>:/2aa16cc</mark>	c-87d1-424d-9d3d-3d007f23243a	Params
Authorization ●	Headers (2)	Rody Pre-reques	t Script Tests		
Туре		Basic Auth	~		C
Username		admin		The authorization header will be generated added as a custom header	and
Password				Save helper data to request	
		Show Passw	vord		
Body Cookies	Headers (10)	Tests			Status: 200
Pretty Raw	Preview	XML 🗸 🚍			
1 xml ver<br 2 - <turnserv 3 <serv 4 <clie 5 <num 6 <user 7 <type 8 <tcpl< td=""><td>rsion="1.0"?> /er id="2aal6ccc /erAddress>172.1 entAddress>10.88 Registrations>0< rname>turnuser<!--/<br-->e>standard</td></tcpl<></type PortNumberOverri</user </num </clie </serv </turnserv 	rsion="1.0"?> /er id="2aal6ccc /erAddress>172.1 entAddress>10.88 Registrations>0< rname>turnuser /<br e>standard	-87d1-424d-9d3d-3d00 5.85.168.246.156/numRegistrations> username> > de>3478 <td>7<mark>f23243a"></mark> ess> ess> erOverride></td> <td></td> <td></td>	7 <mark>f23243a"></mark> ess> ess> erOverride>		

步驟5.按一下**send**以取得伺服器狀態。成功配置的示例,如下圖所示。



Expressway-C和E配置

步驟1. Expressway-C必須具有內部域(octavio.local),而Expressway-E必須配置外部域 (octavio.com),如下圖所示。

CISCO Cisco Expressway-C

Status	System	Configuration	Applications	Users	Maintenance
DNS					
DNSse	ttings				
System	host name	VCSC			i)
Domain	name	octavio.loc	al		j)
DNS rec	quests port range	Use the e	phemeral port range	• 1	
Default	DNS servers		Internal D	NS serve	er
Addres	s 1	172.16.85	.162		(j)

步驟2.必須在Expressway C和E上啟用MRA,如下圖所示。

Unified Communications		You are here Configuration - Unified Communications - Configuration
Configuration		
Unified Communications mode	Mobile and remote access v	

步驟3.在Expressway-C和E之間建立統一通訊遍歷區域,如下圖所示。

CISCO Cisco Expressway-C

Status System Configuration	Applications Users Mai	ntenance
Edit zone		
Configuration		
Name		* UT Zone
Type		Unified Communications traversal
Hop count		* 15
Connection credentials	configured on Exp-E	
Username		* Tuser
Password		* (i)
1		
_ SIP		
Port		* [7001 j)
Accept proxied registrations		Allow 🗸 🧃
ICE support		Off 🗸 (i)
Multistream mode		On 🗸 (i)
SIP poison mode		Off 🗸 (i)
Preloaded SIP routes support		Off 🗸 👔
SIP parameter preservation		Off v
Authentication		
Authentication policy		Do not check credentials 🗸 🧾

Expressway-C上的配置

步驟1.在Expressway-C上配置內部域和外部域,如下圖所示。

CISCO Cisco Expressway-C

Status	System	Configuration	Applicat
Doma	ains		
	Index •	Domain name	
	1	octavio.local	
	2	octavio.com	
	T.E.	T: T	

步驟2.啟用思科會議配置。導覽至Configuration > Unified Communications > Cisco Meeting Server。在「Guest account client URI」欄位上設定外部webbridge URL,如下圖所示。

CISCO Cisco Expressway-C					
Status System Configuration	Applications	Users	Maintenance		
Cisco Meeting Server					
Meeting Server configuration					
Meeting Server Web Proxy			Enable V		
Guest account client URI			* cmsweb.octavio.com	i)	
Save					
Guest account client URI resolved to the follow	ving targets				
Name					Address
cmsweb.octavio.com					172.16.85.180

附註:內部DNS應將外部webbridge URL(cmsweb.octavio.com)解析為內部CMS webbridge IP地址。在本例中,IP是172.16.85.180。

Expressway-C上的安全外殼(SSH)隧道必須在幾秒鐘後變為活動狀態,如下圖所示。

cisco	Cisco	Expressway-C				
Status	System	Configuration	Applications	Users	Maintenance	
Unified (Communi	ications SSH tu	unnels status			You are here: Status * Unified Communications
Target -					Domain	Status
vcse.octavi	o.com				octavio.local	Active
vcse.octavi	o.com				cmsweb.octavio.com	Active
vcse.octavi	o.com				octavio.com	Active

注意:伺服器必須具有伺服器證書和CA證書。

Expressway-E上的配置

步驟1. Expressway-E必須具有TURN許可證,如下圖所示。



Status	System	Configuration	Applications	Users	Maintenance	
Option	keys					
-	(ey 🔻				Description	Status
					Expressway Series	Active
					H323-SIP Interworking Gateway	Active
					1800 TURN Relays	Active
					Advanced Networking	Active

步驟2.必須使用外部域配置Expressway-E,如下圖所示。

CISC	Cisco	Expressway-E			
Status	System	Configuration	Applications	Users	Maintenance
DNS					
DNS se	ttings				
System	host name	vcse			
Domain	name	octavio.co	m		i
			6		
Default	DNS servers			xternal D	NS server
Address	s 1	10.88.246	210		(i)
Address	\$2				10

步驟3.為TURN伺服器和統一通訊穿越區域建立使用者,如下圖所示。

CISCO Cisco Expressway-E

Status	System	Configuration	Applications	Users	Maintenance	
Local	authentica	tion database				
Records	s: 3					
-	Name 💌					Action
	admin					View/Edit
	turnuser					View/Edit
	Tuser					View/Edit

步驟4.建立統一通訊遍歷區域,如下圖所示。

Cisco Expressway-E

Edit zone	
Configuration	
Name	* UT Zone
Туре	Unified Communications traversal
Hop count	* 15
Connection credentials	
Username	* Tuser
Password	Add/Edit local authentication database
Password	Add/Edit local authentication database
Password SIP Port	Add/Edit local authentication database
Password SIP Port TLS verify subject name	Add/Edit local authentication database
Password SIP Port TLS verify subject name Accept proxied registrations	Add/Edit local authentication database
Password SIP Port TLS verify subject name Accept proxied registrations ICE support	Add/Edit local authentication database * [7001] (j) * [vcsc.octavio.local] (j) Allow v (j) Off v (j)
Password SIP Port TLS verify subject name Accept proxied registrations ICE support Multistream mode	Add/Edit local authentication database * 7001 (j) * vcsc.octavio.local (j) Allow v (j) Off v (j) On v (j)
Password SIP Port TLS verify subject name Accept proxied registrations ICE support Multistream mode SIP poison mode	Add/Edit local authentication database * 7001 (j) * vcsc.octavio.local (j) Allow v (j) Off v (j) Off v (j) Off v (j) Off v (j)
Password SIP Port TLS verify subject name Accept proxied registrations ICE support Multistream mode SIP poison mode Preloaded SIP routes support	Add/Edit local authentication database * 7001 * vcsc.octavio.local Allow v (i) Off v (i) Off v (i) Off v (i) Off v (i) Off v (i) Off v (i)

步驟5.配置TURN伺服器。導覽至Configuration > Traversal > TURN,如下圖所示。

附註:TURN請求必須傳送到埠3478,因為Web客戶端請求TURN連線的埠。

Status	System	Configuration	Applications	Users	Maintenance		
TURN							
Server	5						
TURN s	ervices				On	v (j)	
TURN re	equests port	The	one configure	d before	* 3478	<i>i</i>)	
Authent	tication realm	The	one coningule	u perore	* turnus	er	(j)
Media p	ort range start				* 24000	(j)	

出現「Turn up(開啟)」後,狀態顯示「Active(活動)」,如下圖所示。

TURN server status	
Status	Active
Listening address 1	172.16.85.168 3478
Listening address 2	192.168.245.61 3478
Number of active TURN clients	0
Number of active TURN relays (connected via TCP)	0
Number of active TURN relays (connected via UDP)	0

步驟6.導航到**System > Administration。**WebRTC客戶端請求埠443上的訪問,因此Expressway-E的管理埠必須更改為其他管理埠,在本例中該埠將更改為445,如下圖所示。

Web server configuration	
Redirect HTTP requests to HTTPS	On 🗸 👔
HTTP Strict Transport Security (HSTS)	On 🗸 👔
Web administrator port	445 V
Client certificate-based security	Not required

步驟7.為Expressway-E建立證書:webbridge URL必須新增為伺服器證書上的SAN,如下圖所示。

X509v3 Subject Alternative Name: DNS:vcse.octavio.local, DNS:vcse.octavio.local, DNS:cmsweb.octavio.com, DNS:cmsweb.octavio.local, DNS:octavio.local, DNS:ccs.octavio.local, DNS:ccs.oc

驗證

使用本節內容,確認您的組態是否正常運作。

步驟1。選擇支援的Web瀏覽器並輸入外部Webbridge URL,您必須看到下一個畫面,如下圖所示 。

附註:您可以在連結上找到支援的瀏覽器和版本的清單 :<u>https://kb.acano.com/content/2/4/en/what-versions-of-browsers-do-we-support-for-</u> webrtc.html?highlight=html%5C-5%20compliant%20browsers#content



步驟2.選擇Join call,然後輸入先前配置的空間ID,如下圖所示。

Enter Call ID
M
Meeting
100101
Passcode (If required)
Continue >
Back

步驟3.按一下**continue**並輸入您的名稱,此時您必須看到要加入的空間名稱,在這種情況下,空間 名稱是Proxy webRTC**。**按一下「**Join call**」,如下圖所示。

Proxy webRTC
M
Meeting
Octavio
Join call 🗸
Or sign in and join

步驟4.加入另一台裝置,您必須看到兩台裝置在會議中連接,如下圖所示。



疑難排解

本節提供的資訊可用於對組態進行疑難排解。

當您開啟Webbridge頁面時,不會顯示**Join call**按鈕;當您進入CMS網頁時,會看到第二個影象中 所示的錯誤,如下圖所示。

Sign in	
M	
Meeting	
Usemame	
Password	
Sign in >	

 Date
 Time
 Fault condition

 2017-05-20
 18:15:28.769
 Web bridge connection to "cmsweb.cms.octavio.local" failed (connect failure)

當Webbridge無法與呼叫網橋正確通訊時會發生此問題。

解決方案

- 檢查CMS管理網頁上的Webbridge URL是否配置正確。為此,請導覽至**Configuration >** General。
- Webbridge和callbridge必須彼此信任,請檢查信任捆綁是否已新增到Webbridge配置,如下圖 所示:

proxyWebRTC> webbridge		
Enabled	:	true
Interface whitelist	:	a:443
Key file	:	webbridge.key
Certificate file	:	webbridge.cer
CA Bundle file	:	root.cer
Trust bundle	:	none
HITP redirect	:	Enabled
Clickonce URL	:	none
MSI download URL	:	none
DMG download URL	:	none
iOS download URL	:	none
proxyWebRTC> proxyWebRTC>		

附註:信任捆綁包是呼叫網橋證書。

WebRTC頁面顯示「錯誤請求」

解決方案

• 檢查Expressway-C上配置的正確訪客帳戶客戶端URI。為此,請導航到**配置>統一通訊>思科會** 議伺服器。

如果在訪客帳戶客戶端URL中配置了內部URL,Expressway-C將解析該內部URL,因為DNS伺服器 上建立了記錄,但這可能會導致Web瀏覽器中出現「錯誤請求」錯誤消息。在此範例中,內部 URL設定為顯示錯誤,如下圖所示。

Cisco Expressway-C				
itatus System Configuration Applications Users Maintenance				
Cisco Meeting Server				
Exercise: The address cmsweb.cms.octavio.local resolved successfully. The local cache has the following changes: Inserted: 172.16.85.180				
Meeting Server configuration				
Meeting Server Web Proxy				
Guest account client URI * cmsweb.cms.octavio.local				
Save				
Guest account client URI resolved to the following targets				
Name	Address			
cms web. cms. octavio.local	172.16.85.180			

WebRTC客戶端顯示不安全的連線

Welcome ×		
C A Not secure bttps://cmsweb.octavio.com		
	AA	
	Meetin	n.
	Meduli	3
	10.0	
	Join call	>
	Sign in	>

解決方案

- 證書是自簽名的,這導致伺服器不信任源。將Expressway-E上的證書更改為支援的第三方證書 頒發機構。
- 檢查外部Webbridge URL是否作為SAN新增到Expressway-E伺服器證書,如下圖所示。



WebRTC客戶端連線但從未連線,然後超時並斷開

ĺ	2	Share screen	Leave	d
Another ap	oplication ma	y be using your cam	era or microphor	ne ⊗
		Connecting)	
	Pr	oxy webR	тс	
I	_	Cancel		

通過API在expressway-E或CMS中錯誤配置了TURN伺服器使用者名稱或密碼。日誌中包含圖中所示的錯誤。

2017-05-20	19:43:14.133	Info	web bridge link 3: hew guest login request 21 received	
2017-05-20	19:43:14.133	Info	guest login request 21: passcode resolution scheduled	
2017-05-20	19:43:14.133	Info	guest login request 21: resolution in progress	
2017-05-20	19:43:14.135	Info	guest login request 21: credential storage scheduled (queue length: 1)	
2017-05-20	19:43:14.135	Info	created guest account with user ID "guest3804072848@cms.octavio.local"	
2017-05-20	19:43:14.135	Info	guest login request 21: credential storage executed	
2017-05-20	19:43:14.135	Info	guest login request 21: credential storage in progress	
2017-05-20	19:43:14.137	Info	guest login request 21: successfully stored credentials	
2017-05-20	19:43:14.163	Info	web bridge link 3: guest login request 21: response written	
2017-05-20	19:43:14.231	Info	successful login request from guest3804072848@cms.octavio.local	
2017-05-20	19:43:14.930	Info	instantiating user "guest3804072848@cms.octavio.local"	
2017-05-20	19:43:14.934	Info	new session created for user "guest3804072848@cms.octavio.local"	
2017-05-20	19:43:18.805	Info	call 6: allocated for guest3804072848@cms.octavio.local "Web client" conference participation	
2017-05-20	19:43:18.805	Info	call 6: setting up combined RTP session for DTLS (combined media and control)	
2017-05-20	19:43:21.805	Warning	call 6: ICE failure; relay candidate creation timeout	

錯誤也可以通過資料包捕獲來確認。在運行webRTC客戶端的PC上運行Wireshark。擷取封包後 ,請按STUN過濾封包。您必須看到圖中所示的錯誤。

de*) Integrity Check Failure

1458 2017-05-20 19:52:48.704809 172.16.84.124 10.88.246.156 STUN 182 0x1e4a (7754) Default Allocate Request UOP user: turnuser it nonce 1462 2017-05-20 19:52:48.714894 10.88.246.155 172.16.84.124 STUN 262 0x0abc (2748) Default Allocate Error Response user: turnuser with nonce reals: turnus

PC傳送Allocate Request消息, Expressway NAT地址將以「完整性檢查失敗」消息回覆。

解決方案

若要修正錯誤,請檢視使用者名稱和密碼。必須正確配置TURN伺服器引數,如圖所示。

POST 🗸	https://admin.cms.octavio.local:445/api/v1/turn	Servers/2aa16ccc-87d1-424d-9d3d-3d007f23243a/
Authorization •	Headers (2) Body • Pre-request Scrip	t Tests
🔍 form-data 🤎	x-www-form-urlencoded 🔍 raw 🔍 binary	
 serverAddre 	55	172.16.85.168
clientAddres	is	10.88.246.156
username		turnuser
password		cisco
V type		standard
tcpPortNum	berOverride	3478
CISCO Cisco I	Expressway-E	
Status System	Configuration Applications Users Main	tenance
Local authenticati	on database	
Configuration		
Name		◆ turnuser (j)
Password		*