# تالجس ليزنتب مق Jabber Problem Report بيولا مداخ مادختساب (PRT).

# تايوتحملا

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<u>قحصاً،ا نم قاقحتاً،ا</u>
<u>امحال صاو ءاطخاًل ا فاش كت سا</u>
<u>ةل ص تاذ تامول عم</u>

## ةمدقملا

امك Windows ليغشتلا ماظنب لمعي زاهج ىلع بيو مداخ دادعا ةيفيك دنتسملا اذه حضوي بيو مداخ ىلإ Jabber رامعا ةداعا قيرف لقنل تاوطخ ىلع يوتحي.

# ةيساسألا تابلطتملا

.ةيلاتالا عيضاوملاب ةفرعم كيدل نوكت نأب Cisco يصوت

- Cisco (CUCM) نم ةدحوملا تالاصتالا ريدم•
- Cisco Jabber

تابلطتملا

ةمدختسملا تانوكملا

ةيلاتلا جماربلا تارادصإ ىلإ دنتسملا اذه يف ةدراولا تامولعملا دنتست

CUCM - رادصإل 12.5.1.13900-152 Cisco Jabber - رادصإل 12.9.2.54247 XAMPP - رادصإل (بيو مداخ) 7.4.10

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجألاا نم دنتسملا اذه يف ةدراولا تامولعملا ءاشنإ مت. تناك اذإ .(يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسُملا ةزهجألاا عيمج تأدب رمأ يأل لمتحملا ريثأتلل كمهف نم دكأتف ،ليغشتلا ديق كتكبش.

### نيوكتلا

ةكبشلل يطيطختلا مسرلا

Cisco Jabber > Windows\_PC (بيولا مداخل XAMPP جمانرب عم)

تانيوكتلا

مادختساب بيو مداخ ىلإ Jabber رامعإ قداعإ قيرف لقن ىلع هذه نيوكتلا تاوطخ كدعاست يبعشتلا صنلا لقن لوكوتورب'و (HTTP - Port 80) 'يبعشتلا صنلا لقن' تالوكوتورب نمآلا) 'نمآلا).

ارتويبمك ىلع XAMPP جمارب تيبثت .1 Windows.

. كلع يلوألا نيوكتلا 2. كلم XAMPP.

3. مداخ ىلع Jabber لمعلا قرف نيزختل "دلجم" دادعإ Windows.

4. عن "ةمدخلا فيرعت فلم" ىلإ اهنييعتو "ةدحوملا تالاصتالا ةمدخ" ءاشنإب مق.

Jabber. ل يئاەنلا مدختسملل "ةمدخلا فيرعت فلم" نييعتب مق .5

.يميلقإلا رامعإلا ةداعإ قيرف - Jabber لمع قيرف عمج - 6

تاوطخلا هذه نيوكت ىجريف ،(نمآ) HTTPS ىلإ دنتسملا بيو مداخ نيوكت يف بغرت تنك اذإ ةيفاضإلا.

7. قداەشلا عيقوت بلط"و "مداخلا حاتفم" ءاشناب مق 8. قداەش ىلع لوصحلاو (CA) قداەشلا حنم قەج مادختساب 9. قمدخ ليغشت قداعاو قداەشلا ليمحتب مق 10. تەدجوملا تالاصتالا قمدخ" ىلع URL ناونع ليدعت 10. يميلقإلا رامعإلا قداعا قيرف - Jabber لمع قيرف عمج 11. يميلقالا رامعالا

ارتويبمك ىلع XAMPP جمارب تيبثت .1 Windows.

.اينه رقنلا لالخ نم (Windows ليغشتلا ماظنل) XAMPP جمانرب ليزنتب مق

.Windows زاهج ىلع XAMPP تيبثت يف هذه ةشاشلا تاطقل يف ةروكذملا تاوطخلا كدعاست



دادعإلاا جلاعم يف "يلاتال" رزلا قوف رقنا.

0	Setup	X
Select Components		8
Select the components you want to ins Next when you are ready to continue.	stall; dear the components you	do not want to install. Click
Server     Apache     MySQL     FileZilla FTP Server     Mercury Mail Server     Tomcat      Program Languages     Perl     Perl     Program Languages     Program Languages     PhpMyAdmin		
VAMPP Installer	< Back	Next > Cancel

.يلاتا رزلا قوف رقناو ةروكذملا تانوكملا ددح

		Setup		X
Installation	older			ន
Please, choose	a folder to install XAMPP			
Select a folder	C: \xampp	10		
XAMPP Installer				
		< Back	Next >	Cancel

.يلاتلا رزلا قوف رقناو تيبثتلا دلجم رتخأ

		Setup	×
Languag	e		ເສ
XAMPP Co	ntrol Panel for Windo	ows supports different languages.	
Language	English		
XAMPP Instal	ler	< Back	Next > Cancel
-		Insurance in the second second	conversion knowspatricipanis

يلاتال رزلا قوف رقناو ةغللا رتخأ.

	Setup	x
Bitnami for XAMPP		ເສ
	Bitnami for XAMPP provides free i Drupal, Joomla1, WordPress and i source apps on top of your existin https://bitnami.com/xampp Learn more about Bitnami for XAM	nstallers that can install nany other popular open ng XAMPP installation.
XAMPP Installer	< Back	Next > Cancel

.يلاتلا رزلا قوف رقنا

8	Setup	×
Ready to Install		8
Setup is now ready to begin installing XAMP	P on your computer.	
XAMPP Installer	< Back	Next > Cancel

تيبثتالا ةعباتمل "يالتال" رزلا قوف رقنا.



مدقتلا ديق تيبثتلا.



.ءاەنإ رز رقنا

2. ىلع يلوألا نيوكتلا XAMPP.

لوؤسمك "XAMPP مكحت ةحول" حتف.



.لوؤسمك "XAMPP مكحت ةحول" ليغشتب مق

نيوكتلا رز ىلع رقنا.

		XAMPP Co	ntrol Panel v	3.2.4 [Co	mpiled: Ju	in 5th 201	9]	- 🗆 X
ខា	XAI	MPP Contro	ol Panel v3	.2.4				Config
Modules Service	Module	PID(s)	Port(s)	Actions				Netstat
	Apache			Start	Admin	Config	Logs	Shell
6	MySQL			Start	Admin	Config	Logs	Explorer
	FieZila			Start	Admin	Config	Logs	Services
E	Mercury			Start	Admin	Config	Logs	Help
	Torncat			Start	Admin	Config	Logs	aut I
7.21.47 P 7.21.47 P 7.21.47 P 7.21.47 P 7.21.47 P 7.21.47 P 7.21.47 P 7.21.47 P	M [main] M [main] M [main] M [main] M [main] M [main] M [main]	All prerequi Initializing I The MySQI The FileZilli The Mercur The Tomca Starting Ch Control Par	sites found Modules L module is dis a module is dis y module is dis t module is dis eck-Timer rel Ready	abled abled abled				-

نيوكتاا رز يلع رقنا.

ظفح رز رقناو ةملعملا تارايخلا ددح.

		VAMOD	Configur	ation of Contr	ol Panel	- 🗆 🗙	
		AAMPP	Editor:				
83	XAI	MPP Cor	notepad.exe				P Config
Modules	Module	PID(s)	Browser (empty =	system default)			less Netstat
	Apache	(a)	Autostart of mor	tules			Shel
	MySQL		☑ Apache	Fiezlia	Tomcal		Carl Explorer
	FieZila		MySQL	Mercury		and the second	Services
	Mercury		Selected modu Control Panel.	iles will be started	on next laund	th of the	😥 Help
	Torncat		Start Control	Panel Mnimized			L Que
7.21.47 P 7.21.47 P 7.21.47 P 7.21.47 P	M [main] M [main] M [main] M [main]	All prere Initializir The MyS The File.	Check default	t output window ports on startup nformation			^
7.21:47 P 7.21:47 P	M [main] M [main]	The Mer The Ton Starting	Change L	anguage	Service and	Port Settings	
7.21:47 P	M [main]	Control I	User Defi	ned Files	Log	Options	
				1	X Abort	V Save	*
T & PARTIN	1 INC. 11 414	AND AND A COMPANY					A

ظفح رزلا قوف رقناو ةروكذملا تانوكملا ددح.

زيمملا "X رز ىلع رقنلاب Apache ةمدخ أدبا.

N	XAI	IPP Contro	ol Panel v3	.2.4				P Config
ervice	Module	PID(s)	Port(s)	Actions				Netstat
×	Apache			Start	Admin	Config	Logs	Shell
	MySQL			Start	Admin	Config	Logs	Explorer
	FieZila			Start	Admin	Config	Logs	Services
	Mercury			Start	Admin	Config	Logs	😣 Help
	Tomcat			Start	Admin	Config	Logs	Qut
24.47 P 24.47 P 24.47 P 24.47 P 24.47 P 24.47 P	M         [main]           M         [main]           M         [main]           M         [main]           M         [main]           M         [main]           M         [main]	All prerequi Initializing I The MySQ The FileZill The Mercur The Tomca	isites found Modules L module is dis- a module is dis- ry module is dis- t module is dis- eck.Timer	abled abled abled				,

.يشتابألا ةمدخ أدبا

### .PHP ىلع رقناو config رز ىلع طغضا

æ	XAM	IPP Contro	ol Panel v3	.2.4				/ Config	
Modules Service	Module	PID(s)	Port(s)	Actions				Netstat	0
	Apache			Start	Admin	Creat	- I	Di Stel	Date
	MySQL			Start	Admin	C	Apache (httpd: Apache (httpd-	conf) ssl.conf)	
	FieZla			Start	Admin	C	Apache (httpd-	xampp.conf)	
	Mercury			Start	Admin	c	PHP (php.ini)		
	Tomcat			Clart	Admin	0	phpMyAdmin	config.inc.php)	
24:47 P 24:47 P 24:47 P	M [main] M [main] M [main]	The MySQL The FileZilla The Mercur	module is dis module is dis y module is dis	abled abled abled			<browse> (Api <browse> (PH <browse> (phj</browse></browse></browse>	iche] ?] MyAdmin]	
24 47 P 24 47 P 24 47 P 26 25 P 26 25 P	M [main] M [main] M [Main] M [Apache] M [Apache]	The Tomcal Starting Ch Control Par Installing se Successful	t module is disi eck-Timer tel Ready ervice	abled					

php. فلم حتفا

40M. ىلع "upload\_max\_filesize ةميق نييعت نم دكأت

<pre>File Lot Format View Help  ; File Uploads ; File Uploads ; Whether to a:     Pid what Maxmum alowed     Direction Cancel ; http://php.net     Match gase Up @ Down ; Temporary directory for HTTP uploaded files (will use system default if not ; specified). ; http://php.net/upload-tmp-dir upload_tmp_dir="C:\xampp\tmp" ; Maximum allowed size for uploaded files. ; http://php.net/upload-max-filesize upload max filesize </pre>			epad	php - Not		8
<pre>File Uploads ; File Uploads ; Whether to a ; http://php.n file_uploads=00</pre>					new Help	File Edit Format
<pre>iffiffiffiffiffiffiffiffiffiffiffiffiff</pre>			×	Find		File Uploads
<pre>; Whether to a ; http://php.nd file_uploads=0s Match game Up @ Down Cancel ; Temporary directory for HTTP uploaded files (will use system default if not ; specified). ; http://php.net/upload-tmp-dir upload_tmp_dir="C:\xampp\tmp" ; Maximum allowed size for uploaded files. ; http://php.net/upload-max-filesize upload_max_filesize=""""""""""""""""""""""""""""""""""""</pre>			End Next	un aloved	Figd what Maximum	
<pre>; Temporary directory for HTTP uploaded files (will use system default if not ; specified). ; http://php.net/upload-tmp-dir upload_tmp_dir="C:\xampp\tmp" ; Maximum allowed size for uploaded files. ; http://php.net/upload-max-filesize upload_max_filesize=""""""""""""""""""""""""""""""""""""</pre>			Cancel	Direction		Whether to a http://php.ne
<pre>; http://php.net/upload-tmp-dir upload_tmp_dir="C:\xampp\tmp" ; Maximum allowed size for uploaded files. ; http://php.net/upload-max-filesize upload_max_filesize=""""""""""""""""""""""""""""""""""""</pre>		fault if not	will use system	IP uploaded files (	ectory for HTT	Temporary dir specified).
; Maximum allowed size for uploaded files. ; http://php.net/upload-max-filesize				sir .	t/upload-tmp-d "C:\xampo\tmp"	<pre>http://php.ne pload_tmp_dir=</pre>
unload may filesizes 100					and the second by the second	
abtone and the street was				ploaded files.	ed size for up	Maximum allow
<				bloaded files. filesize	ed size for up t/upload-max-f size=100	Maximum allow http://php.ne pload_max_file
× ]	>			ploaded files. filesize	ed size for up t/upload-max-f size= <mark>five</mark>	Maximum allow http://php.ne upload_max_file

.م 40 ىل| upload\_max\_filesize ةميق نييعتب مق

.أدبا رزلا قوف رقنلا قيرط نع Apache ةمدخ أدبا

8		XAMPP Co	ontrol Panel v	3.2.4 [Co	mpiled: Ju	in 5th 201	9]	- 🗆 🗙
ខា	XAN	IPP Contr	ol Panel v3	.2.4				P Config
Modules Service	Module	PID(s)	Port(s)	Actions	-			Netstat
	Apache			Start	Admin	Config	Logs	Shell
	MySQL			Start	Admin	Config	Logs	Explorer
	FileZilla			Start	Admin	Config	Logs	Services
	Mercury			Start	Admin	Config	Logs	😢 Help
	Torncat			Start	Admin	Config	Logs	Quit
7 24 47 P 7 24 47 P 7 26 25 P 7 26 26 P 7 29 31 P 7 29 31 P 7 29 56 P 7 29 58 P	M [main] M [main] M [Apache] M [Apache] M [Apache] M [Apache] M [Apache] M [Apache]	Starting Ch Control Pa Installing s Successful Attempting Status cha Attempting Status cha	eck-Timer nel Ready ervice to start Apachinge detected to stop Apachinge detected inge detected. t	e service unning e service stopped				*

.Apache ةمدخ ضرعل "أدبا" رزلا قوف رقنا

83	XAMPP Control Panel v3.2.4								
Modules Service	Module	PID(s)	Port(s)	Actions				less Netstat	
1	Apache	4524	80, 443	Stop	Admin	Config	Logs	Shell	
	MySQL			Start	Admin	Config	Logs	Explorer	
	FileZilla			Start	Admin	Config	Logs	Services	
	Mercury			Start	Admin	Config	Logs	😧 Help	
	Torncat			Start	Admin	Config	Logs	Quit	
7:26:25 P 7:26:26 P 7:29:31 P	M [Apache M [Apache M [Apache M [Apache	Installing s Successful Attempting Status cha	ervice It to start Apache nge detected in	service				^	

### 3. مداخ ىلع Jabber لمعلا قرف نيزختل "دلجم" دادعإ Windows.

ديدج دلجم ءاشنإب مق JabberPrt" عقوملا لخاد "C:\xampp\htdocs ديدج دلجم عاشناب مق لوصو طاقن نيزختل Jabber.

.هذه ةشاشلا ةطقل يف حضوم وه امك PHP لوكوتوربل يذيفنت صن ءاشنإب اضيأ مق

🕑 💿 🔹 🕇 📕 🖬 This PC	C + Local Disk (Ci) + sampp + htdocs		× 6	Search HL.
r Favorites	Name	Date modified	Туре	Size
C Desktop	ashboard 🔒	10/13/2020 7:17 PM	File folder	
Downloads		10/13/2020 7:17 PM	File folder	
1 Recent places	JabberPRT	10/13/2020 7/34 PM	File folder	
	🌲 webalizer	10/13/2020 7:17 PM	File folder	
This PC	😹 xampp	10/13/2020 7:17 PM	File folder	
he Desktop	applications	8/27/2019 7:02 AM	HTML Document	4 KB
Documents	bitnami	8/27/2019 7:02 AM	Cascading Style S	1 KB
Downloads	i favicon	7/76/2015 Ib32 AM	loon	31 KB
Music	index.php	7/16/2015 0:32 AM	PHP File	1.68
J Pictures	🗋 uploadprt.php	10/13/2020 7:33 PM	PHP File	1.68
B Videau				
Lee 10	uploadprt.p	hp - Notepad		
File Edit Forma	t View Help			
Netw php</td <td></td> <td></td> <td></td> <td>-</td>				-
Suploaddir =	'C:\xampp\htdocs\JabberPRT\\';			
\$uploadfile •	<pre>\$uploaddir . date('Y_m_d_H_i_s'</pre>	<pre>') . basename(\$_FILES[</pre>	'zipFileName'][	'name'])
move_uploaded	1_+116(2_+1162[.51b+116game.][.cs	mp_name'], Suploadfile	);	
itama I I I				

عيزوت ةداعإ تالجس نيزختل دلجملا عقوم ددح Jabber.

### فلم عاشنإب مق Uploadprt.php" فلم عاشنإب مق Oploadprt.php الخاد (vampp\htdocs) فل م عاش .php

 $<?php \uploaddir = 'C:\xampp\htdocs\JabberPRT\'; \uploadfile = \uploaddir . \ date('Y_m_d_H_i_s') . \\basename(\FILES['zipFileName']['name']); \ move_uploaded_file(\FILES['zipFileName']['tmp_name'], \uploadfile); \ ?>$ 

4. يف "ةمدخلا فيرعت فلم" ىل| اەنييعتو "ةدحوملا تالاصتالا ةمدخ" ءاشنإب مق.

. قمدخ < مدخشسمان شادادع! < مدخشسمانا قراد! :لقتناو بيولا ىلع CUCM قرادإ ةحفص ىلإ لوخدانا لجس UC.

ةديدجلا قدحوملا تال اصتالا قمدخ ءاشنا.

System      Call Routing      Media Resources      Advanced Features      Device      Application	User Management · Bu	k Administration	n ≠ Help ≠	
Alert : You have not configured a direct dial 911 pattern on that most multi-line telephone systems in the US have a dir Smart Software Licensing: The system is currently unregist Register with <u>Smart Software Manager</u> or Smart Software Manager or	Application User End User User/Phone Add Si/P Realm User Settings Sett-Provisioning		unication Commission r ere for more informatio Credential Policy Default Credential Policy	ules ma n. naini n use
WARNING: No backup device is configured. This is required to Emergency Notifications Paging is not configured. To configured to configured please go to Cisco Unified CM Administration > Advanced Features	Assign Presence User to recover your's ire Emergency N atures > Emerge	otificatio	Role Access Control Group Application User CAPF Profile End User CAPF Profile UC Service	remi
Cisco Unified CM Administration			Service Profile User Profile	

المراجعة مراجل المراجعة المراجعة المراجع المراجع المراجعة المراجعة المراجعة المراجعة المراجعة المراجع المراجعة ا

ةبسانملا ميقلا رتخاو "Jabber (Jabber-config.xml) ليمع نيوكت" رتخأ.

.ەذە ةشاشلا ةطقل يف حضوم وە امك URL ناونع يف ليصافت PHP فلمو بيو مداخ حنما

ل*يمع*لا : مسقلا

ortLogServerURL :قملعملا

ةميقلا: http://<WebServer\_IP/FQDN>:80/uploadprt.php

cisco Fo	sco Unified CM /	Administration			Navigation Cisco (	Jnified CM Administration v
System • Call I	Routing · Media Resources	Advanced Features      D	evice • Application • User Mar	agement • Bulk Administration •	Help •	
UC Service Cor	nfiguration				Related Links:	Back To Find/List v
Save 🗙	Delote Copy 4	dd New				
Status						
i Status: Re	ady			My Web-Server		
-UC Service Int	ormation					
UC Service Ty Product Type: Name* Description	Jabber Client Configu Jabber JabberConfig	ration (jabber-config.xm	0	http://10.88.11.	218:80/uploadp	ort.php
Jabber Config	uration Parameters			1		
Sectio		Parameter	Parameter Description	Value	100	Operations
Client	PrtLogServerU	RL	Link to the script for submittin	g PRT 218:80/uploadprt.pl	hp Delete	
Not Selecte	ed → ✓ ] [ Not Selected	1+- V	2		Add B	Add Custom
Section	ed v Vot Selecte	Multipart Para d ~ > ] [ Not Selected	v	Parameter Description	Value	Operations Add

ي Jabber (jabber-config.xml) ليمع نيوكت يف بيولا مداخ ليصافت نيوكت .

. قد حومل ا تال اصتال ا قدد خ < مدختسمل تاداد ع < مدختسمل قراد ا ی ل ا ق ت ا

. مَمدخلا في رعت فعلم عل المؤاشن إمت يتل المدحوما التال الصتال التامدخ ني يعتب مق

Inductory Cisco Unified CM Administration					Navigation Cisco Unified CM /	Administr
CISCO For Cisco Unified Communications Solutions		_			admin	Ab
System      Call Routing      Media Resources      Advanced Features      Device	Application +	User Manage	ment •	Bulk Administration •	Help 🕶	
Find and List Service Profiles		Applicat	ion User			
Cha Add New III Select All Clear All 🔆 Delete Selected	_	End Use User Ph	r one Add	•		
Status		Jher Co	em .		Contraction Dates of	_
1 records found		User Settings •			Credential Policy Default	
		560-110	visioning		Credential Policy	
Service Profiles (1 - 1 of 1)		Assign H	resence (	/sers	Role	er
Find Service Profiles where Name v begins with v	Find	Clear Filter	4 -		Access Control Group	
Name *	Descrip	tion			End User CAPF Profile	10
CUCMOnlyPRTServer			System	n Default Service	UC Service	
Add New Select All Clear All Delete Selected					Service Profile	
					User Profile User Group User Rank	

ةرادإ بيو ةحفص ىلع "ةمدخلا فيرعت فلم" حتفا CUCM.

cisco	Cisco Unified CM Administration For Cisco Unified Communications Solutions
System +	Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration
Service Pro	ofile Configuration
Save	X Delete Copy 🖧 Add New
Tertiary	<none> &gt; &gt;</none>
CTI Profile	)
Primary	cucm125 V
Secondary	<none> Y</none>
Tertiary	<none> \v</none>
Video Con	ference Scheduling Portal Profile
Primary	<none> ~</none>
Secondary	<none> ~</none>
Tertiary	<none> M</none>
Jabber Cli	ent Configuration (jabber-config.xml) Profile
Common	abberConfig ~
Desktop	abberConfig ~
Mobile	abberConfig ~
Save	Delete Copy Add New

ظفح رزلا قوف رقناو "ةمدخلا فيرعت فلم" ىلإ مؤاشنإ مت يذلا Jabber ليمع نيوكت نييعتب مق.

5. ل يئاەنلا مدختسملا ىل "ةمدخلا فيرعت فلم" نييعتب مق

يفرطلا Jabber مدختسمب اذه قمدخلا فيرعت فعلم نارق إنم دكأت.

cisco For Cisco Ur	nified CM Administration			Navigation Cis
System • Call Routing •	Media Resources + Advanced Features + Device + Application +	User Management +	Bulk Administration	• Help •
End User Configuration		Application User		Related Links
Same Y Dalata	And Merry	End User		
LI CURVER CLARY SYRAIN	anisted oper ro cocor oper	User/Phone Add SIP Realm	•	
Bervice Settings	Unified CM IM and Presence (Configure IM and Presence in the asso eting information in presence(Requires Exchange Presence Gateway	User Settings Self-Provisioning Assign Presence to be configured on C	Users UCM IM and Presence	e server)
UC Service Profile	Use System Default( "CUCMOnlyPRTServer" )	Details		
Device Information				
Controlled Devices	CSFAGENT1	Device Asso Line Appear	ciation ance Association f	or Presence

ل يئاەنلا مدختسملل ةمدخلا فيرعت فلم نييعتب مق

#### . يميلقإلا رامعإلا ةداعإ قيرف - Jabber لمع قيرف عمج - 6

. "ديد حتائل عيزوت قداع! واشن! رزل اىل عرقنل او Jabber رايتخ إكنكمي ،Jabber Port عيم جتال.

alimite cia	co Unified CM Ad	Iministra	ation					Navigation Cis	co Unified CM Admir	nistration	۱∨ Go
CISCO For G	Cisco Unified Communicatio	ns Solutions							admin	About	Logou
System · Call Ro	uting • Media Resources •	Advanced Fer	atures • (	Device - Ap	plication · Us	er Management	Bulk Ad	trainistration • Help •			
Find and List Ph	ones							Related Links: Active	ly Loggod In David	e Rope	<b>G</b>
Add New	a Add New From Template	Select All	Clear	All 🙀 Dele	te Selected	Reset Selecte	d 2 A	pply Config to Selected	J Generate PRT	for Sele	cted
-											
Status											
1 records for	und										
2000											
Phone (1 -	1 of 1)								Rows p	er Page	50 ×
Phone (1 -	1 of 1) Device Name			<ul> <li>✓ begins w</li> </ul>	dth ♀]		Find	Clear Filter 💠 🛥	Rows p	er Page	50 ~
Phone (1 - Find Phone where	I of 1) Device Name			~   begins w	ith v	t item or enter t	Find search text	Clear Filter 🕹 😑	Rows p	er Page	50 ~
Phone (1 - Find Phone where	1 of 1) Device Name Device Name(Line)	Description	Device Pool	begins w Device Protocol	ith ∨ Select Status	Litern or enter s Last Registered	Find search text Last Active	Clear Filter 🍦 🚥	Rows p	Copy	50 ∨ Super Copy
Phone (1 - Find Phone where	1 of 1) Device Name Device Name(Line)	Description	Device Pool Default	begins w     Device     Protocol     SIP	ith V Select Status Registered	Litem or enter r Last Registered Now	Find search text Last Active	Clear Filter United CH cucm125.ramebalaimp.com	Rows p 10.201.251.189	Copy	Super Copy
Phone (1 - Find Phone where	1 of 1) Device Name Device Name(Line) CSFAGENT1 d New From Template Sel	Description ect All Cle	Device Pool Default ar All D	✓ begins w Device Protocol SIP elete Selecter	ith V Select Status Registered	Litern or enter s Last Registered Now scted Apply 4	Find search text Last Active	Clear Filter Unified CH cucm125 ramebalaimp.com	Rows p IPv4 Address 10.201.251.189 Generate PR	Copy	50 Sur Co

عمجا Jabber Prt.

(يصنلا PHP جمانرب يف عقوملا نيوكت مت) بيولا مداخ يف Jabber Prt ىلع روثعلا كنكمي.



ەليزنت مت يذلا Jabber Prt فلم ىلع بيو مداخ يوتحي.

6			Capturing fro	m Ethernet	0			- 0 X
File	Edit View Go	Capture Analyze Stati	stics Telephony Wirele	ss Tools H	Help			
1		※四 9 ****	T 4 Q Q	Q II				
	p.addr == 10.201.251.1	19						Expression +
No.	Time	Source	Destination	Protocol	Length	Info		^
T.	539 32.153498	10.201.251.189	10.88.11.218	TCP	66	58578 + 80 [5	YN] Seq-0 Win	-64240 Len=0_
	540 32.153598	10.88.11.218	10.201.251.189	TCP	66	88 + 58578 [5	YN, ACK] Seq=	8 Ack=1 Win=_
	541 32.153972	10.201.251.189	10.88.11.218	TCP	60	58578 + 80 [A	CK] Seq=1 Ack	*1 Win=52556_
	542 32.164023	10.201.251.189	10.88.11.218	TCP	296	58578 - 80 [P	SH, ACK] Seq=	1 Ack=1 Win=_
	543 32.164564	10.88.11.218	10.201.251.189	HTTP	79	HTTP/1.1 100	Continue	
	544 32.165383	10.201.251.189	10.88.11.218	TCP	1514	58578 + 80 [A	CK] Seq=243 A	ck=26 Win=52_
	545 32.165544	18.201.251.189	10.88.11.218	TCP	1514	58578 - 80 [A	CK] Seq=1703	Ack=26 Win=5_
	546 32.165546	10 201.251.189	10.88.11.218	TCP	1514	58578 + 80 [A	CK] Seq=3163 /	Ack=26 Win=5_
	547 32.165547	19.201.251.189	10.88. 1. 10	TCP	1514	58578 + 80 [A	CK] Seg=4623	Ack=26 Win=5_
	548 32.165547	0 281 251 189	10.88. WEB	SERVER	1514	58578 + 80 [A	CK] Seq=6083 /	Ack=26 Win=5_
	549 32.165548	TARRER DO	10.88.11.218	TCP	1514	58578 - 80 [A	CK] Seg=7543	Ack=26 Win=5_
	550 32.165548	10 201 361 100	10.88.11.218	TCP	1514	58578 - 80 [A	CK] Seq-9003 /	Ack=26 Win=5_
	551 32.165549	10.201.251.189	10.88.11.218	TCP	1514	58578 + 80 [A	CK] Seg=10463	Ack=26 Win=_
	552 32.165549	10.201.251.189	10.88.11.218	TCP	1514	58578 - 80 [A	CK] Seg=11923	Ack=26 Win=_
	553 32 165558	18 281 251 189	10 RR 11 21R	TCP	1514	58578 + 88 FA	CK1 Senaliter	Arka26 Mina
DB	Frame 539: 66 byt	es on wire (528 bits)	, 66 bytes captured i	(528 bits)	on inte	erface 0		
D B	Ethernet II. Src:	Cisco d1:42:c4 (e8:0	4:62:d1:42:c4), Dst:	Veware a5:	ef:fd (	(00:50:56:a5:e	f:fd)	17
Þ 3	Internet Protocol	Version 4, Src: 10.2	01.251.189, Dst: 10.8	8.11.218				~
<1								3
-					_			- Indelen

.تامولعملا هذه ىرتس ،رامعإلا قداعإ قيرف لـقن ثدح ءانثأ بيولا مداخ ىلع Wireshark طاقتلا لـيغشتب تمق اذإ

الم تاكرح بيولا مداخ ىلع Wireshark طاقتلا رەظي PRT.

ةيفاضإلا تاوطخلا هذه نيوكت ىجريف ،(نمآ) HTTPS ىلإ دنتسملا بيو مداخ نيوكت يف بغرت تنك اذإ.

Cisco CallManager تانيوكت اضيأ اهلو ،WebServer ىلع (CA) صيخرتلاا ةئيه نم ةعقوم ةداهش تيبثت يف تاوطخلا هذه دعاست

(CCM) ربع Jabber قيرف لقنل (TLS1.2.

7. المان (CSR) المان ا

enter. ىلع طغضاو openSSL رمألا بتكاو (بيو مداخ) XAMPP مكحت ةحول يف Shell حتفا



مكحت ةحولب صاخلاا Shell لالخ نم openSSL مكحت قحولب صاخلا الع

./ genRSA -out server.key 2048 رمألا ليغشت لالخ نم مداخلا حاتفم ءاشنإب مق

File Home	XAMPP Control Panel v3.2.4 [Compiled: Jun 5th 2019]	- • ×
🕣 💿 • 🕇 🚺	XAMPP Control Panel v3.2.4	Config (
	Modules	Netstat
625	Administrator: XAMPP for Windows - openssi	Shell
Setting enviro	nment for using XAMPP for Windows. MGENT3 c:\xampp	Explorer
OpenSSL>		Services
OpenSSL> genrs Generating #5#	a -out server.key 2048 private key, 2048 Dit long modulus <2 primes>	😸 Help
	AL (9991 )	Quit
OpenSSL> OpenSSL> _		^

genRSA -out server.key 2048 رمألا ليغشتب مق

.رماوألا هذه ليغشتب (CSR) ةداهشلا عيقوت بلط ءاشنإ

genRSA -out server.key 2048

req -new -sha1 -node -key server.key -out server.csr -days 0000

لوقحلا هذه نمض ةلصلا تاذ تامولعملا ريفوت:

- دلبلا مسا.
- .ةعطاقملا وأ ةيالولا مسا
- .ةيلحملا تادادعإلا مسا
- . ةسسؤملا مسا
- ةيميظنتال ةدحولا
- عئاشلا مسالا.
- ينورتكلإلا ديربل ناونع
- .ةيفاضإ تامس

Administrator: XAMPP for Windows - openssl	- 🗆 X
OpenSSL> OpenSSL> genrsa -out server.key 2048 Generating RSA private key, 2048 bit long modulus <2 primes> 	- 9999 .ed a DN.
Country Name (2 letter code) [AU]:US State or Province Name (full name) [Some-State]:IX Locality Name (eg, city) []:RCDN Organization Name (eg, company) [Internet Widgits Pty Ltd]:CISCO Organizational Unit Name (eg, section) []:WEBSERVER Common Name (e.g. server FQDN or YOUR name) []:agent3.ramebalaimp.com Email Address []:agent3.ramebalaimp.com Please enter the following 'extra' attributes to be sent with your certificate request	
A challenge password []: An optional company name []:CISCO OpenSSL> OpenSSL> _	~

بيو مداخل (CSR) ةداهش عيقوت بلط ءاشنا.

#### C:\xampp\



(CSR) أشن من ا قداهشن ا عيقوت بن طعقوم

اذہ دلجملا عقوم یلا server.csr خسنا.

#### C:\xampp\apache\conf\ssl.csr

NI D B = 1		ssi.csr			
File Home	Share View				
• • †	Cl\xampp\apache\conf\ssl.csr			v C	Search ssLcsr
* Favorites	Name	Date modified	Туре	Size	
Desktop Downloads Recent places	and server.	10/14/2020 1:00 PM	CSR File	2 KB	
🛤 This PC					
🙀 Network					

ديدج دلجم عقوم ىلإ *CSR* فلم خسنا.

-:روكذملا عقوملا ىل server.key فلم خسنا

#### ىلإ

C:\xampp\apache\conf\ssl.key

HOODES	Manhata 1	the second second second
Service Module PID(s)	xampp	- 0 X
Administrator: XAMPP for Wi	🛞 💮 👻 † 🏭 + This PC + Local Disk (Ci) + xampp 🛛 🗸 🖒 Search xampp	Q.
Setting environment for using XAMPP for Windows Mainistrator@AGENT3 c:\xampp d openSSL> OpenSSL> OpenSSL> Generating RSA private may. zv48 bit long modul contains and the set of the set of the set of the set of the penSSL> OpenSSL> OpenSSL> OpenSSL> reg -new - shal -nodes -key server.key Ignoring -days: not generating a certificate You are about to be asked to enter information into your certificate request. Unat you are about to gener. in your set of the	Pavorites         Name         Date modified         Type         Size           Desktop         10/13/2020 11:28         Windows Batch File         1 K8           Desktop         10/13/2020 11:28         Configuration sett.         1 K8           Recent places         10/13/2020 11:29         DAT File         161 K8           Immstall.dat         10/13/2020 11:29         DAT File         161 K8           Immstall.dat         10/13/2020 11:29         DAT File         161 K8           Immstall.dat         10/13/2020 11:29         DAT File         12/210 K8           Immstall.dat         10/14/2020 12:55         KEY File         2 K8           Immstall.dat         10/14/2020 12:55         KEY File         2 K8           Immstall.dat         10/14/2020 12:55         KEY File         2 K8           Immstall.dat         10/14/2020 12:05 PM         CSR File         2 K8           Immstall.dat         10/14/2020 12:05 PM         CSR File         2 K8           Immstall.dat         10/14/2020 12:05 PM         CSR File         2 K8	
There are quite a few fields but you can leave For some fields there will be a default value. If you enter '.', the field will be left blank.	File Home Shar View	× 0
Country Mane (2 letter code) [AU]:US State or Province Name (full name) [Some-State] Locality Name (eg. city) []:RCDM Organization Name (eg. company) [Internet Widgi Organization Name (eg. server PGW or YOUR name) []: Connon Name (eg. server PGW or YOUR name) []: Enail Address []:agent3.ramebalainp.com Please enter the following 'extra' attributes to be sent with your certificate request A challenge password []: An optional company name []:CISCO OpenSSL>	Image: Construction of the state of the	٩

ديدج دلجم عقوم يل*إ key.*مداخلا خسنا.

8. دم ةعقوملا ةداەشلا ىلع لصحاو (CA) قدصملا عجرملا مادختساب CSR ىلع عقو .CA

نم ةعقوملا WebServer قدامش ىلع لوصحلاو (Lab - ADFSCAIMP يف CA مداخ) CA لبق نم عقوم (WebServer دامش ىلع لوصحلا CA "server.crt".



ةيفيك هذه ةشاشلا ةطقل حضوت .(der. وأ cer. قيسنتب سيلو) crt. قيسنتب ةداهشلا ظفح نم دكأت :**تظح**لام (ةعقوملا قداهشلا ليزنت دنع) Windows CA مداخ مادختساب crt. قيسنتب قداهشلا ظفح

🗧 🕘 🧭 http://localhost/certsrv/certInsh.asp	の - C / @ Microsoft Active Directory ×	
Microsoft Active Directory Certificate Services - ADFSCAIMP		
Certificate Issued		
The certificate you requested was issued to you.	🛃 Save As	×
ODER encoded or Base 64 encoded	() - + Certificates > WebServer > test 🗸 🖏 Search test	Q
Download certificate chain	Organize - New folder	- 0
	Name     Date modified Type     No items match your search.     Downloads #     Documents #     <	Size
	File name "perver.ct" Save as type: Security Certificate	v v Cancel

.ةعقوماا ةداەشال ىلع لصحاو (CA) قادصمال عجرمال مداخ لالخ نم CSR ىلع عيقاوتال مق

an.	Certificate	×
Genera	Details Certification Path	_
	Certificate Information	
W	indows does not have enough information to verify is certificate.	
-   -	Issued to: agent3.ramebalaimp.com	2
	Issued by: ADFSCAIMP	
	Valid from 10/14/2020 to 10/14/2022	
I		
	Install Certificate Issuer Statement	1.
	OK	

.ةعقوملا ةداەشلا

9. (يشتابأ) Apache ةمدخ ليغشت ةداعإو ةداهشلا ليمحتب مق.

عقوملا اذه يف server.crt ليمحتب مق.

#### C:\xampp\apache\conf\ssl.crt

🕼 i 🖸 🚯 = 1		ssl.crt					x
File Home Sha	re View	-					~ 0
🕑 🕘 🕶 1 📕 🖾	wampp\apache\conf\ssl.crt			¥	C	Search ssl.crt	Q
🔆 Favorites	Name	Date modified	Туре	Size			
Desktop Downloads  Recent places	Server	10/14/2020 2:25 PM	Security Certificate		2 KB		
🐏 This PC							
1 item							

ةعقوملا ةداهشلا ليمحتب مق.

### Apache. ةمدخ ليغشت ةداعإب مق /CSR/CERT/حاتفملا ليمحت دعب

8	XAM	IPP Contro	ol Panel v3.	2.4				P Confi	g
Service	Module	PID(s)	Port(s)	Actions				<ul> <li>Netsta</li> </ul>	at
1	Apache	10400	80, 443	Stop	Admin	Config	Logs	Shel	1
	MySQL			Start	Admin	Config	Logs	Explor	er
	FieZila			Start	Admin	Config	Logs	Servic	e
	Mercury			Start	Admin	Config	Logs	😥 Help	,
	Tomcat			Start	Admin	Confg	Logs	Quit	
21 23 P 21 23 P 21 23 P 21 23 P 21 23 P 21 27 P 21 27 P 21 49 P 26 20 P	M [main] M [main] M [main] M [main] M [Apache] M [Apache] M [Apache]	The Mercur The Tomca Starting Ch Control Par Attempting Attempting Attempting	ry module is disa t module is disa neck-Timer nel Ready to start Apache to start Apache to start Apache	service service					-

."ءدب & فاقيإ" رز ىلع طغضلاب Apache ةمدخ ليغشت دعأ.

ADFSCAIMP). وه CA مداخ انه) CA سفن نم **Tomcat** ةداهش عيقوت نم دكأت ،CUCM ول

cisco	sco Unified Operating	System /	Adminis	tration		Navig	ation Cisco Unified OS Administration 👻 Ge
For	Cisco Unified Communications :	Solutions			and the second		admin About Logou
Show · Settings	Security      Software Upgrades	· Services ·	Help 🕶				
Certificate List	Certificate Management						
Generate Self-	sign Certificate M Certificate Manu Certificate Revocation	agement 3 G	enerate CSR				
Status	PSEC Configuration	-					
i 5 records fo	Bulk Certificate Management						
	Session Management						
Certificate List	t Cipher Management						Rows per Page 50 V
Find Certificate Li	ist where Certificate V begin	ts with ~ tom	cat	Find Clear Filter	4 -		
Contineator		Туре	Кеу Туре	Distribution	Issued By	Expiration	Description
tomcat	cucm125.ramebalaimo.com	CA-signed	RSA	cucm125.ramebalaimp.com	ADFSCAIMP	10/14/2022	Certificate Signed by ADFSCAIMP
tomcat-ECDSA	cucm125-EC.ramebalaimo.com	Self-signed	EC	cucm125.ramebalaimp.com	cucm125-EC.ramebalaimp.com	07/31/2025	Self-signed certificate generated by system
tomcat-trust	ADESCAIMP	Self-signed	RSA	ADFSCAIMP	ADFSCAIMP	05/28/2049	Signed Certificate
tomcat-trust	cucm125.ramebalaimo.com	CA-signed	RSA	cucm125.ramebalaimp.com	ADFSCAIMP	10/14/2022	Trust Certificate
tomcat-trust	cucm125-EC.ramebalaimo.com	Self-signed	EC	cucm125.ramebalaimp.com	cucm125-EC.ramebalaimp.com	07/31/2025	Trust Certificate
Concernin Fall	signed Unload Certificate/Certifi	cate chain G	enerate CSR	1			
Later and the second		CARLES AND ADDRESS OF ADDRESS OF ADDRESS ADDRES	STATES STATES AND ADDRESS.				

مداخ سفن نم ةعقوم *Tomcat* ةداهش CA.

"ةدجوملا تالاصتالا ةمدخ" ىلع URL ناونع ليدعت

قمدخ < مدختسمها، تادادع! < مدختسمها، قراد! :لقتناو بيولا، ىلع CUCM قرادا قحفص ىل لوخدلا، لجس UC.

اذه مَدحومانا سَالاصتالا مَدخ مسق يف حضوم وه امك كلذل اقفو بيولا مداخل URL ناونع ليدعتب مق.

ل*يمع*لا : مسقلا

#### ortLogServerURL :قملعملا

#### ةميقلا: https://<WebServer\_FQDN>:443/uploadprt.php

cisco For Cisco Unifie	ed CM Administration	-		Louis Contractor	Nevigation 0	Sico Unified CM Administration V Go admin About Lopou
System + Call Routing + Media	Resources · Advanced Features · Device	* Application *	User Management + Bulk Administration + He			
UC Service Configuration					Related I	links: Back To Find/List - Go
🖬 Save 🗶 Delete 🗈 Co	sy 🖓 Add tere					
Status Status: Ready				https://agent3.rameb	alaimp.com	:443/uploadprt.php
UC Service Information UC Service Type: Jabber C Product Type: Jabber Co Vame* Jabber Co Overspeen	lient Configuration (Jabber-config.xm) nfg	0		, in the second	nce I have FQDN is sed FQDN of Web5	n the webserver's certificate I ierver in this URL.
Jabber Configuration Paran	ueters					
Client v	Parameter [PrtLogServerUR], [ Not Selected	×) u)	Parameter Description	https://agent3.ramebalaim	Delete	Add Custom
Section	Not Selected	Multipart Parame d	eter	Parameter Description	Value	Operations
Save Delete Copy	Add New					

ي Jabber (jabber-config.xml) ليمع نيوكت يف بيولا مداخ ليصافت نيوكت .

#### .يميلقإلا رامعإلا ةداعإ قيرف - Jabber لمع قيرف عمج - 11

. CCM ةحفص ربع رامعإلا ةداعإ قيرف ءاشنإب مق ،كلذ دعب

cisco Fer Cisco	Unified CM Administ	ration tions					Nerror	dion Cisco Unified CM	Administr	ation V Go out Logou
System · Call Routing ·	Keda Resources      Advanced Fe	atures . Device . Ap	plication • User Management	· Buk Administ	ration - Help -					
find and List Phones							Related Links	Actively Logged In	Device R	eport - G
Add New and Ad	dd New From Template 🧰 Select All	Clear Al 🙀 Dele	te Selected 🎱 Reset Select	ed L Apply C	onlig to Selected			1 cm	erate PRT fo	selected
Status 2 records found Phone (1 - 2 of End Shoes sheet (20)	2)	- I have	a wate in VI	1.000	( Class Block				lows per	Page 50 V
red more where thes	INCR PARTY	1 Servers	Select item or e	nter search text		No. Com.				
D	Device Name(Line) *	Description Devic	e Pool Device Protocol	Status	Last Registered	Last Active	Unified CM	IPv4 Address	Copy	Buper Copy
	CSFAGENT1	Defa	at SIP	Registered	Now		cucm125.ramebalaimp.com	10.201.251.189	D	104
	camebala	Defa	1 51P	None	Never			None	Ð	0
Add New Add New	w from Template Select All C	Dear All Delete Sele	ted Reset Selected A	oply Config to S	elected			Genera	ite PRT for	Selected

Jabber Prt. عمجا

:(HTTPS-443) TLS1.2 ربع بيولا مداخو Jabber نيب تانايبلا رورم ةكرح ريفشت ديكأت كنكمي ةمزحلا طاقتلا نم

IP بيولا مداخل: 10.88.11.218

Jabber PC IP: 10.201.251.189

4				WebServerPCAP-during-PRTcollection-secure_HTTS.pcapng
File I	Idit View Go	Capture Analyze Stat	istics Telephony Wirele	ss Tools Help
4 1	4.0	80 9	TATER	Q. II
II p.a	10 10.201.251.18	9		🛱 🗔 🔹 bpreson.
No.	Time	Source	Destination	Protocial Length 3rfb
1	52 25.577386	10.201.251.189	10.88.11.218	TCP 66 60547 + 443 [S1N] Seq-8 x6x=64248 Len=8 MS=236 SACK_PERH=1
1	53 25,577543	10,08,11.218	10.201.251.189	TCP 66 443 = 68547 [SYN, ACK] Seq=0 Ack=1 Min=8192 Len=0 MSS=1460 MS=256 SACK_PERM=1
	54 25.577929	10.201.251.189	10.88.11.218	TCP 60 60547 + 443 [ACK] Seq=1 Ack=1 Win=525568 Len=0
	155 25.578770	10.201.251.189	10.88,11.218	TLSv1.2 259 Client Hello
1 3	156 25.580939	10.85.11.218	10.201.251.189	TLSv1.2 1946 Server Hello, Certificate, Server Key Exchange, Server Hello Done
	57 25.581511	10.201.251.189	10.88.11.218	TCP 60 60547 + 443 [ACK] Seq=206 Ack=1093 Win=525568 Len=0
1 3	68 25.625996	10.201.251.189	10.88.11.218	TLSv1.2 180 Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
	61 25.632508	10.88.11.218	10.201.251.189	TLSv1.2 185 Change Cipher Spec, Encrypted Handshake Message
	62 25.633637	10.201.251.189	10.88.11.218	TLSv1.2 334 Application Data
	63 25.652036	10.88.11.218	10.201.251.189	TLSv1.2 108 Application Data
	64 25.653286	10.201.251.189	10.88.11.218	TCP 1514 60547 + 443 [ACK] Seq=612 Ack=1998 Min=525312 Len=1460 [TCP segment of a reassembled PDU]
	65 25.653445	10.201.251.189	10.00.11.210	TCP 1514 60547 + 443 [ACK] Seq-2072 Ack-1998 Win-525312 Len-1460 [TCP segment of a reassembled POU]
1	66 25.653452	10.201.251.189	10.68.11.218	TCP 1514 60547 + 443 [ACK] Seq=3532 Ack=1998 Win=525312 Len=1460 [TCP segment of a reassembled POU]
1	67 25.653454	10.201.251.189	10.00.11.218	TCP 1514 60547 + 443 [ACK] Seq-4992 Ack-1998 Win-525312 Len-1460 [TCP segment of a reassembled PDU]
	68 25.653455	10.201.251.189	10.88.11.218	TCP 1514 60547 + 443 [ACK] Seq=6452 Ack=1998 Win=525312 Len=1460 [TCP segment of a reassembled PDU]
1	69 25.653456	10.201.251.109	10.88.11.218	TCP 1514 60547 + 443 [ACK] Seq=7912 Ack=1998 Win=525312 Len=1460 [TCP segment of a reassembled POU]
	70 25.653457	10.201.251.189	10.08.11.218	TCP 1514 60547 + 443 [ACK] Seq+9372 Ack+1998 kin+525312 Len+1460 [TCP segment of a reassembled PDU]
1 3	71 25.653458	10.201.251.189	10.88.11.218	TCP 1514 68547 + 443 [ACK] Seq=18832 Ack=1998 Win=525312 Len=1468 [TCP segment of a reasseabled POU]
	72 25.653459	10.201.251.189	10.88.11.218	TCP 1514 60547 + 443 [ACK] Seq=12292 Ack=1998 Win=525312 Len=1460 [TCP segment of a reassembled POU]
	73 25.653468	10.201.251.189	10.88.11.218	TCP 1514 68547 + 443 [ACK] Seq=13752 Ack=1998 Win=525312 Len=1468 [TCP segment of a reasseabled POU]
	74 25.653497	10.88.11.218	10.201.251.189	TCP 54 443 + 68547 [ACK] Seq=1998 Ack+15212 kin=65536 Len=0
	75 25.653859	10.201.251.189	10.08.11.218	TCP 1514 60547 + 443 [ACK] Seq=15212 Ack=1998 Win=525312 Len=1468 [TCP segment of a reassembled PDU]
4 1	76 25.654004	10.201.251.189	10.08.11.210	TLSv1.2 1514 Application Data [TCP segment of a reassembled PDU]
	77 25.654006	10.201.251.189	10.68.11.218	TCP 1514 60547 = 443 [ACK] Seq=18132 Ack=1998 Win=525312 Len=1468 [TCP segment of a reassembled PDU]
	78 25.654007	10.201.251.189	10.85.11.218	TCP 1514 60547 + 443 [ACK] Seg-19592 Ack-1998 Win-525312 Len-1460 [TCP segment of a reassembled PDU]
1 3	79 25.654009	10.201.251.189	10.88.11.215	TCP 1514 60547 - 443 [ACK] Seg-21052 Ack-1998 Win-525312 Len-1460 [TCP segment of a reassembled PDU]
	i80 25.654010	10.201.251.189	10.88.11.218	TCP 1514 60547 + 443 [ACK] Seq=22512 Ack=1998 Win=525312 Len=1460 [TCP segment of a reassembled PDU]
1	81 25.654011	10.201.251.189	10.88,11.218	TCP 1514 60547 + 443 [ACK] Seq-23972 Ack-1998 Win-525312 Len-1460 [TCP segment of a reassembled POU]
		R - Eler but cat		

.نمآ لكشب تثدح رامعإلاا ةداعإ قيرف فلم تاكرح بيولا مداخ يلع Wireshark طاقتلا رهظي

ةحصلا نم ققحتلا

(يصنلا PHP جمانرب يف عقوملا نيوكت مت) بيولا مداخ يف Jabber Prt ىلع روثعلا كنكمي.



ەليزنت مت يذلا *Jabber Prt* فلم ىلع بيو مداخ يوتحي.

#### اهحالصإو ءاطخألا فاشكتسا

نيوكتلا اذهل اهجالصإو ءاطخألا فاشكتسال ةددجم تامولعم أَيلاح رفوتت ال.

ةلص تاذ تامولعم

دعب نع رامعالا قداعا قيرف تالجس عيمجت

! ةديفم ةلاقملا هذه نوكت نأ لمآ

ةمجرتاا مذه لوح

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