## Spirent TLS Certificate Import into Wireshark

To import a Landslide generated TLS secret for viewing in Wireshark, you will need to have the test server UE info level configured in TS-Admin.

👔 TS@ 10.71.31.43 Configuration (Current)								
Name Unnamed Configuration (enter a name)								
Main Other Ethernet DPDK-1 Wi-Fi OTA Time Sync Routing								
cfruser Bassword								
Ciguser Passworu Change								
TAS resolved by DNS: coast40.ls.lab/10.71.31.40 TAS								
Platform / OS: E5-2600 / UBUNTU								
Enable TS Proxy Port:	9998							
Management Port - Dynamic - Us	sing DHCP							
Interface	Mask	Auto Negotiate	Alternate IPv4 Address					
eth0	255.255.255.0	$\checkmark$						
IP	Gateway	Speed	Alternate IPv4 Mask					
0.0.0.0	0.0.0.0							
Hostname	MTU	Duplex	Alternate IPv4 Gateway					
coast43	1500							
Local Interface								
Pool IP #	ofIPs	Pool IP V6	# of IPs V6					
43.0.0.1 10	00000	2000:4342::4300:1	1000000					
Data Gen Performance 💿 Legacy 💿 Max 💿 Fireball Processes								
Reserve Resources for:	POLQA/PEVQ	UE Info Lev	el 10 👻					
Backup file created: Wed Mar 06 09:28:38 CST 2019								
Refresh Backup Restore Open Apply Close								

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A Test Session - Releases/18.8/43461\_1\_WebRTC\_TMO\_working - - -File Settings Logs Reports **Overall State:** 1 Session Builder Automation Control Pass/Fail Port Capture Reports Favorites Info Setup/Live End of Ter . ..., 2 👿 Query 🔳 Generate 🛛 🔲 Horizontal Scrolling Configure... Test Cas [IP Application Node]/ 0 / ts0:tc0 👻 UE Range 🔳 🔳 1-32 х Edit UE Info Monitoring/Reporting Configuration (Set UE Info Level via TS Config) 3 Monitor Live Report Live Report Live Report Enabled Test Case Instance Total UEs Total UEs First UE Interval (s) [IP Application Node]/ 0 / ts0:tc0 #UEs:1 1 1000 1 32 15 ОК Cancel Abort Stop Stop Save Close

On the test session Info tab, select configure and enabled checkbox.

After the test run, there will be an info report generated in the test results web page. Choose this link which will open a Microsoft Excel Spreadsheet.

	Q 20-02-17_13.30.07RID-1343461_1_WebRTC_TMO_working.log.txt Failures					
	Q 20-02-17_13.30.07_RID-13_43461_1_WebRTC_TMO_working.xls					
	Q 20-02-17_13.30.07RID-13ts0_eth15_capture.pcap					
	<b>Q</b> 20-02-17_13.30.07RID-13ts0_tc0_info_report.csv					
- Cin						

## **Spirent TLS Certificate Import into Wireshark**

Use the Excel application to select and copy the "COLVALUE" column, "CLIENT RANDOM" cells from the spreadsheet to the clip board.



Paste *only* these values into a text editor such as Notepad++.



Save this new text file for importing into Wireshark.



In Wireshark, select [Edit][Preferences] then [protocols], then [TLS], then under (Pre)-master-secret log filename, browse to your saved text file. (click OK)

Wireshark - Preferences	Wireshark - Preferences
Appearance Columns	TCCROS TDMGP TDS TeamSpeak2 TEINET Teredo TETRA TFP Thread Thread Threat The Thread Threat Th

You should now be able to view the Encrypted TLS packets.

2 02-02-17_13.30.07_RID-13_ts0_eth15_capture.pcap								
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help								
▲ ■ 点 ② 🔒 🗈 🗙 🖻 � ⇔ ⇔ 窒 👔 ≟ 🚍 邑 Q Q Q 电 亞								
l http								
Pedet details V Narrow & Wide V Case sensitive String V HTTP chunked								
No.	Time Source	Destination	Protocol	Length Info				
	551 45.636237 45.60.11.176	10.71.31.187	HTTP	639 HTTP/1.1 200 OK (text/html)				
	556 45.736512 10.71.31.187	45.60.11.176	HTTP	1247 GET /svr/signin/v1/init HTTP/1.1 Continuation				
	602 47.097248 10.71.31.187	45.60.11.176	HTTP	927 GET /oauth2/v1/auth?client_id=WRCMAV_STG&scope=a				
	606 47.166186 45.60.11.176	10.71.31.187	HTTP	207 HTTP/1.1 302 Found (text/html)				
	610 47.266492 10.71.31.187	45.60.11.176	HTTP	1167 GET /signin/v2/?client_id=WRCMAV_STG&scope=asso				
	615 47.337677 45.60.11.176	10.71.31.187	HTTP	639 HTTP/1.1 200 OK (text/html)				
	621 47.437514 10.71.31.187	45.60.11.176	HTTP	1247 GET /svr/signin/v1/init HTTP/1.1 Continuation				
+	666 48.805240 10.71.31.187	45.60.11.176	HTTP	927 GET /oauth2/v1/auth?client_id=WRCMAV_STG&scope=a				
+	671 48.871631 45.60.11.176	10.71.31.187	HTTP	207 HTTP/1.1 302 Found (text/html)				
<b>→</b>	674 48.971502 10.71.31.187	45.60.11.176	HTTP	1167 GET /signin/v2/?client_id=WRCMAV_STG&scope=asso				
4-	678 49.040891 45.60.11.176	10.71.31.187	HTTP	639 HTTP/1.1 200 OK (text/html)				
+	684 49.141521 10.71.31.187	45.60.11.176	HTTP	1247 GET /svr/signin/v1/init HTTP/1.1 Continuation				
+ + + +	556     45.736512     10.71.31.187       602     47.097248     10.71.31.187       606     47.166136     45.60.11.176       618     47.266492     10.71.31.187       615     47.337677     45.60.11.176       621     47.47514     10.71.31.187       664     48.06524     10.71.31.187       671     48.01513     45.60.11.176       674     49.9152     10.71.31.187       678     49.04052     10.71.31.187       678     49.04052     10.71.31.187	45.60.11.176 45.60.11.176 10.71.31.187 45.60.11.176 10.71.31.187 45.60.11.176 45.60.11.176 10.71.31.187 45.60.11.176 10.71.31.187 45.60.11.176	нттр       нттр	1247 GET /svr/signin/v1/init HTTP/1.1 Contin 927 GET /south2/v1/auth7client_id=MRCMW_ST 207 HTTP/1.1 302 Found (text/html) 1167 GET /signin/v2/7client_id=MRCMW_STG≻ 639 HTTP/1.1 200 OK (text/html) 1247 GET /svr/signin/v1/v1/init HTTP/1.1 Contin 927 GET /south2/v1/auth7client_id=MRCMW_STG≻ 639 HTTP/1.1 302 Found (text/html) 1167 GET /signin/v2/7client_id=MRCMW_STG≻ 639 HTTP/1.1 200 OK (text/html) 1247 GET /svr/signin/v1/icit.HTTP/1.1 Contin				