

Attaching USB Token / DSC (Digital Signature Certificate) on Traces Website

https://contents.tdscpc.gov.in

This document aims to help user to attach USB Token / DSC on Traces Website.

This is document is published for the domain users of vijayco.cloud



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Error Statement

Error in establishing connection with TRACES WebSocket Emsigner. Please ensure that Web signer setup is installed, and service is running on your machine and there are no proxies enabled on the browser while doing DSC activities.

Error in establishing connection with TRACES Websocket Esigner. Please ensure that WebSigner Setup is installed and service is running on your machine and there are no proxies enabled on the browser while doing DSC activities





Potential Clauses

- 1. Windows Firewall is blocking Emsigner
- 2. Java Version required : Any 32 Bit or 8.0.1620.12
- 3. Traces website and Emsinger Port is being blocked by Chrome & Java Security.



Resolutions to above problem

- 1. Windows Firewall blocking emSigner
 - Step 1 : Go to Start → Windows Defender Firewall





• Step 2 : In the left panel, click on "Allow a program through windows firewall"



• Step 3 : On the top left corner click on "Change Settings"



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Step 4 : Click on "Allow another app"
 # Allowed apps

← → ✓ ↑ 🕊 > Control Panel > Syst	em and Security > Windows Defender Firewall > Allowed apps			~ Ŭ		Search Control Panel	م
	Allow apps to communicate through Windows Defender	Firewall					
	To add, change, or remove allowed apps and ports, click Change settings.						
	What are the risks of allowing an app to communicate?		Cha	inge setti	ings		
	Allowed apps and features:						
	Name	Domain	Private	Public	^		
	@{Microsoft.Windows.SecHealthUI_10.0.19041.1682_neutralcw5n1						
	@FirewallAPI.dll,-80201			¥			
	☑ @FirewallAPI.dll,-80206		•	V			
	☑ {78E1CD88-49E3-476E-B926-580E596AD309}		•				
	☑ 3D Viewer						
	☑ AllJoyn Router		V				
	☑ App Installer		V				
	BranchCache - Content Retrieval (Uses HTTP)						
	BranchCache - Hosted Cache Client (Uses HTTPS)						
	BranchCache - Hosted Cache Server (Uses HTTPS)						
	BranchCache - Peer Discovery (Uses WSD)						
	☑ Captive Portal Flow		2		Y		
		Deta	ils	Remove	e		
		\langle	Allow and	other app	p	う	
		(ж	Cance	el		

• Step 5 : Add "emSigner"

blowse		×	
$\leftarrow \rightarrow \lor \uparrow$] « eMudhra Limited > emSigner > emSigner >	~ U	Search emSigner	
Organize - New folder		= • 🔲 🕜	
Name	Date modified	Type Size	
Deciter docs	09-08-2022 15:38	File folder	
	09-08-2022 15:38	File folder	
Downloads Construction Cons	20-03-2022 20:48	Application 234	
h Music			
Videos			
S This PC			
Network			
<		>	
File name:	~	Applications (*.exe;*.com;*.icd) ~	

• Step 6 : You will see, emSigner Singer Utility is added to Allow Apps.



Allow apps to communicate through Windows	s Defender Firewall					
To add, change, or remove allowed apps and ports, click Cha	nge settings.					
What are the risks of allowing an app to communicate?		Cha	inge sett	ings		
Allowed apps and features:						
Name	Domain	Private	Public	~		
Email and accounts						
emSigner Signer Utility						
Feedback Hub		V				
File and Printer Sharing				100		
File and Printer Sharing over SMBDirect						
☑ Films & TV						
⊠ Get Help						
Google Chrome		V				
Groove Music	V					
□HomeGroup						
□ iSCSI Service						
Key Management Service				~		
	Deta	ils	Remov	e		



- 2. Java Version Required : Latest 32 bit or 8.0.1620.12
 - Step 1 : Download the latest 32-bit Java Version from Java website or down 8.0.1620.12 version.
 - Step 2 : Install the above downloaded version on your PC.
 - Step 3 : Open Google Chrome
 - Step 4 : Settings or type in chrome://settings/content/javascript in the address bar of chrome browser
 - Step 5: Site Settings
 - Step 6 : JavaScript
 - Step 7: Allow the following sites to Allowed
 - o https://127.0.0.1:1565
 - o <u>https://127.0.0.1</u>

as below:

→ C ③ Chrome chrome://se	ttings /content/javascript	ich ☆ □ 😩
Settings	Q Search settings	
You and Google	← JavaScript Q Search	
Autofill	Sites usually use Javascript to display interactive features, like video games or web forms	
Privacy and security		
Appearance	Default behavior	
Q, Search engine		
Default browser	Sites can use Javascript	
り On startup	O N Don't allow sites to use Javascript	
Languages	Customized behaviors	
Downloads	Sites listed below follow a custom setting instead of the default	
Accessibility	Not allowed to use Javascript Add	
System	No sites added	
Reset and clean up		
Extensions	Allowed to use Javascript Add	
About Chrome	https://127.0.0.1:1565	
	https://127.0.0.1	



• Step 8 : Start->Configure Java→ Security

All Apps Documents Web More 🔻	··· ×
Best match Configure Java App	
Apps Control Panel	Configure Java _{App}
 Settings Remote Desktop Connection Command Prompt Search the web Con - See web results Folders (1+) Settings (3+) 	 □ Open □ Run as administrator □ Open file location → Pin to Start → Pin to taskbar □ Uninstall



- Step 9: Edit Site List:
 - Add following sites
 - https://127.0.0.1:1565
 - https://127.0.0.1
 - https://tdscpc.gov.in
 - https://downloads.tdscpc.gov.in
 - https://files.tdscpc.gov.in

😹 Java Control Panel	0 <u></u> 0		×
General Update Java Security Advanced			
Enable Java content for browser and Web Start applicatio	ns		
Security level for applications not on the Exception Site list			
🔿 Very High			
Only Java applications identified by a certificate from a t allowed to run, and only if the certificate can be verified	rusted aut as not rev	hority are voked.	
High			
Java applications identified by a certificate from a truste to run, even if the revocation status of the certificate car	d authority nnot be ve	y are allow rified.	ed
Exception Site List			
Applications launched from the sites listed below will be a appropriate security prompts.	llowed to	run after th	e
https://127.0.0.1	-		-
https://downloads.tdscpc.gov.in	Edi	t Site List	
		-	
Restore Security Prompts	Manag	e Certificat	es
ОК	Can	cel	Apply



- Step 10: After above changes, kindly restart emSigner in admin mode (i.e., Run as Administrator) and verify whether Emsigner is running without being blocked by Windows firewall.
 - $\circ~$ To check and confirm
 - Step 1: Go to Start → Resource Monitor →
 Network → Listening Ports

Nesource Monitor								. 🗆
File Monitor Help								
Overview CPU Memory I	Disk	Network						
Processes with Network Activ	vity						^ (>	Views 🛛
Image	PID	Send (B/sec) Re	eceive (B/sec)	Total (B/sec)		^	Network	1 Mbps
svchost.exe (NetworkService)	1032	138,048	3,558	141,606				
chrome.exe	9040	356	1,148	1,503				
msedge.exe	4420	53	237	291				
OfficeClickToRun.exe	2980	23	156	179				HAHH
javaw.exe	8360	74	50	125				
svchost.exe (LocalServiceAndN	6888	0	61	61				
svchost.exe (NetworkService -p)	1284	10	25	35			60 Seconds	0
svchost.exe (NetworkService -p)	4664	9	18	26			TCP Connections	50
msedge.exe	8708	23	0	23		~		کے کو کر کے
	0576	•	0	0	non se	~ 1		
Network Activity	-	563 Kbps Network I/O		0% Network U	Jtilization			
TCP Connections						\odot		
Listening Ports						\bigcirc	Ethomat	0
Image	PID	Address	Port	Protocol	Firewall Status	^	Ethemet	100%
System	4	IPv4 unspecified	445	TCP	Not allowed, not restricted			
svchost.exe (netsvcs -p)	5488	IPv6 unspecified	500	UDP	Allowed, restricted		الا کر این کا ک	<u>س و و و و</u>
svchost.exe (netsvcs -p)	5488	IPv4 unspecified	500	UDP	Allowed, restricted		د و و و و و و ا	ہ و و و و
javaw.exe	8360	IPv6 unspecified	1565	TCP	Not allowed, not restricted			
javaw.exe	8360	IPv4 unspecified	1565	TCP	Not allowed, not restricted	-		
svchost.exe (LocalServiceAndNoIm	6888	fe80::6d94:1e55:9e98:dfe0	0 1900	UDP	Allowed, restricted			0
svchostexe (LocalServiceAndNoIm	6888	IPv6 loopback	1900	UDP	Allowed, not restricted		L	
svchostexe (LocalServiceAndNoIm	6888	192.168.50.18	1900	UDP	Allowed, restricted			
svchost.exe (LocalServiceAndNoIm	6888	IPv4 loopback	1900	UDP	Allowed, not restricted	~	~	

Now its complete.

Check the Traces portal it should function properly.