

AVer SVC Series WebRTC Quick Guide

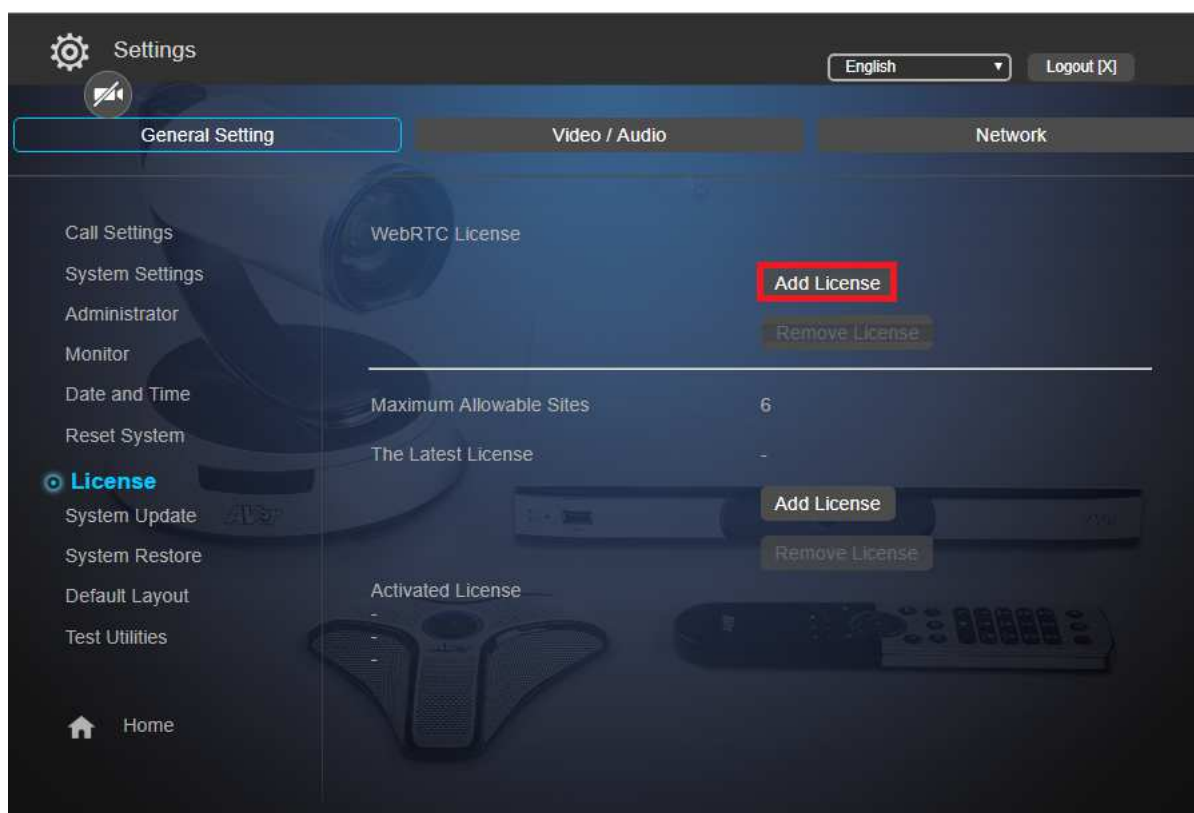
Prerequisites:

- SVC100/500 running with firmware version 00.20.02.08 (version 00.20.04.29 is recommended and using in this guide);
- WebRTC license key
- Supported web browsers: Google Chrome, Mozilla Firefox
- Allow pop-up window on the browsers

Setup

Add WebRTC license key

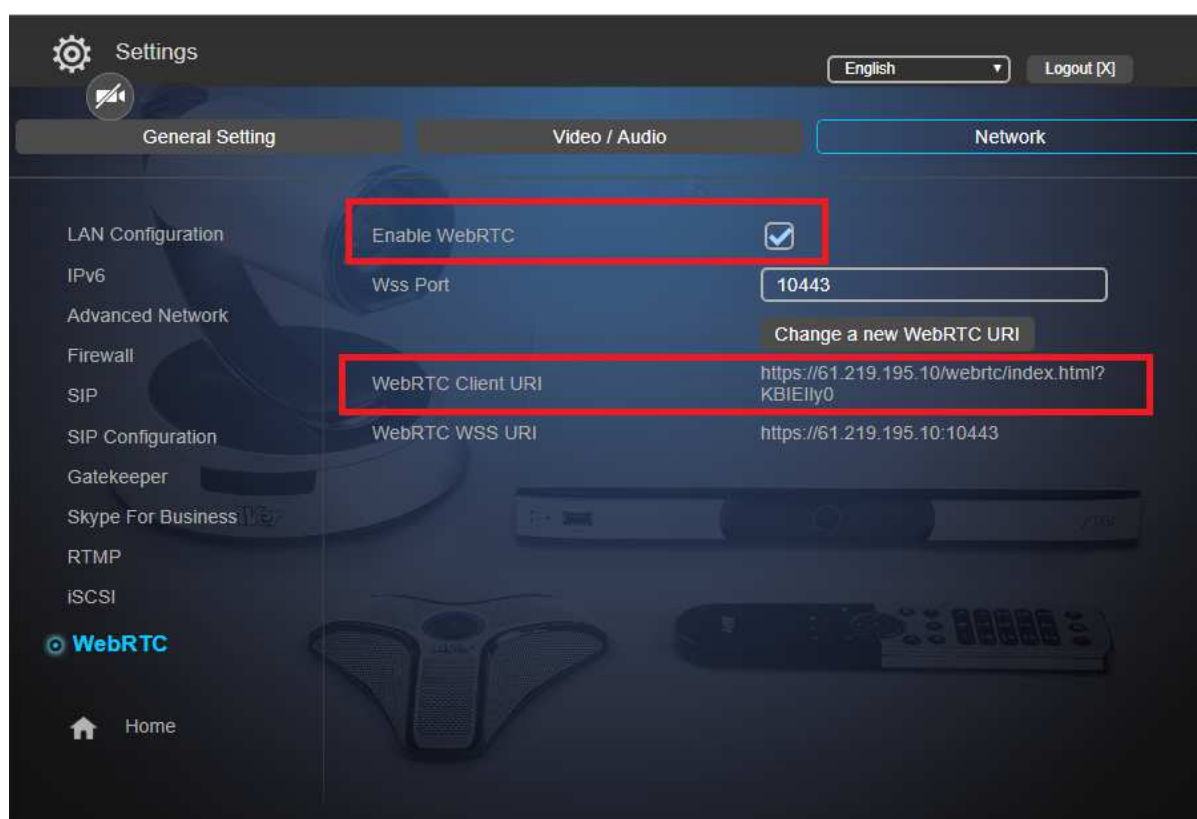
1. Get WebRTC license key from AVer Authorized dealer.
2. Enter the license key into SVC menu > **General Setting** > **License** > **WebRTC License** > **Add License**.
3. Reboot SVC



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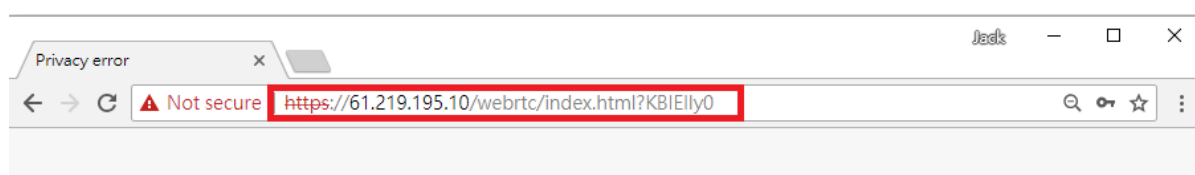
Enable WebRTC

1. To start WebRTC on SVC, you have to enable the service first. Go to **Network > WebRTC**, and check on **Enable WebRTC**.
2. WebRTC Client URI will be generated and show as below. User can copy and paste the link to invited participant for the conference.
3. The WebRTC URI could be changed by click on the button **“Change a new WebRTC URI”**.



Call from WebRTC

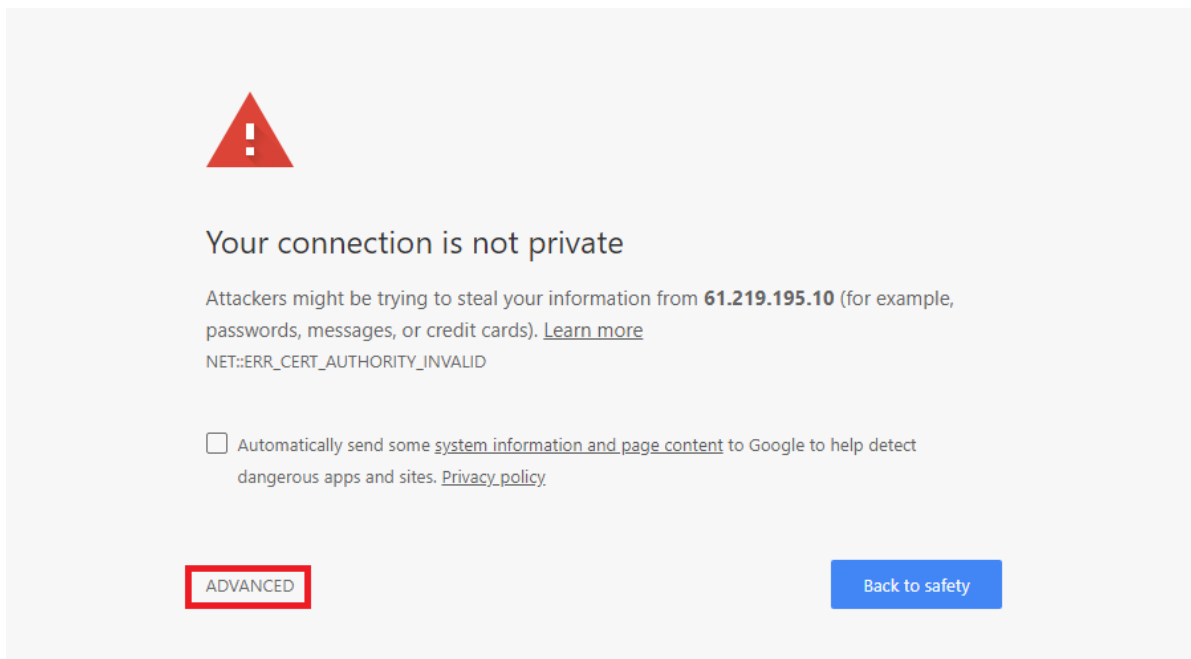
1. To call in SVC video conference via WebRTC, you can open the URI showed in the System Info or WebRTC setting on Google Chrome / Mozilla Firefox browser.



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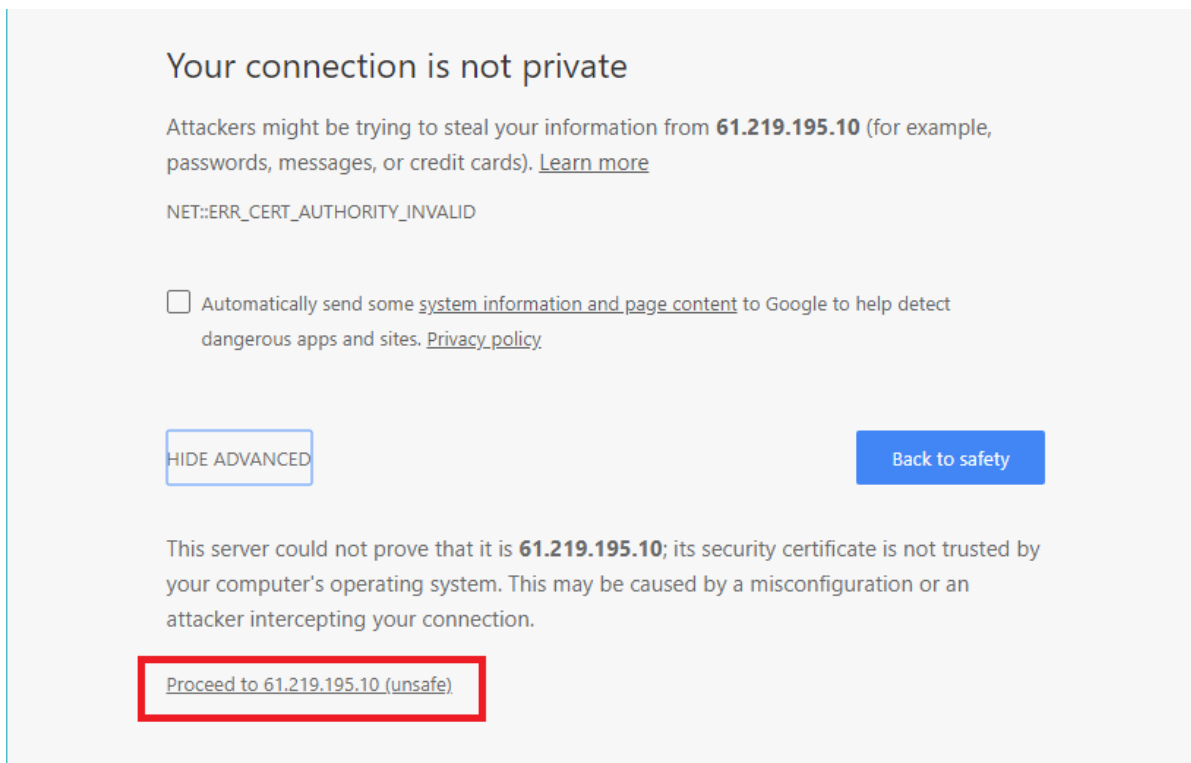
2. If there is warning message “Your connection is not private” on the browser, please click on “ADVANCED”.

Google Chrome



The screenshot shows a Chrome warning page with a red triangle icon containing an exclamation mark. The main heading is "Your connection is not private". Below it, text explains that attackers might be trying to steal information from the IP address 61.219.195.10. A checkbox is present for sending system information to Google. At the bottom, there are two buttons: "ADVANCED" (highlighted with a red box) and "Back to safety".

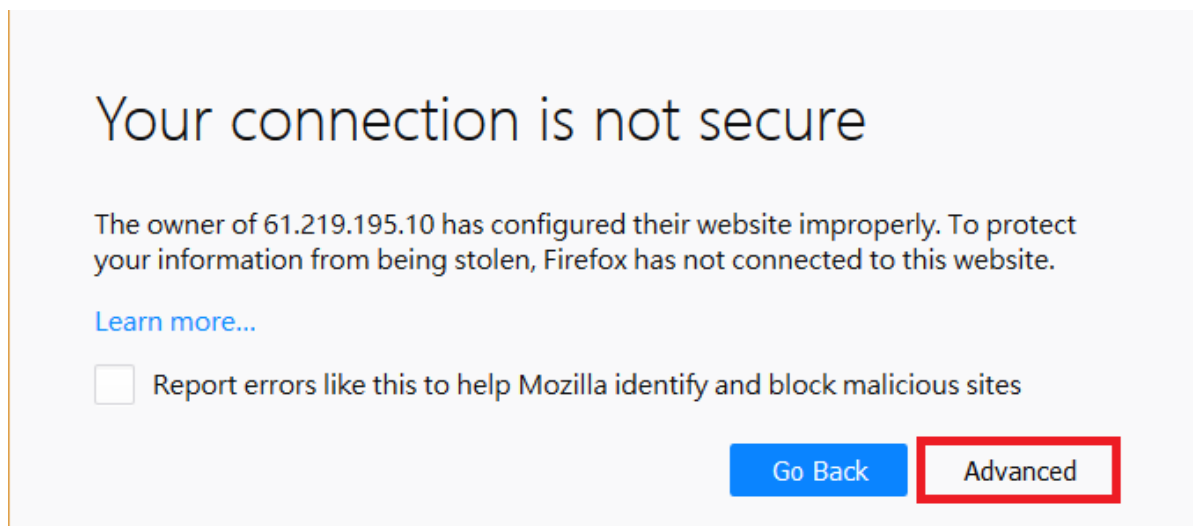
Then, click on “**Proceed to**” to continue.



This screenshot shows the same Chrome warning page, but with the "ADVANCED" button replaced by "HIDE ADVANCED". A new button, "Proceed to 61.219.195.10 (unsafe)", is highlighted with a red box. Below the checkbox, there is a detailed explanation: "This server could not prove that it is 61.219.195.10; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection."

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Mozilla FireFox



Your connection is not secure

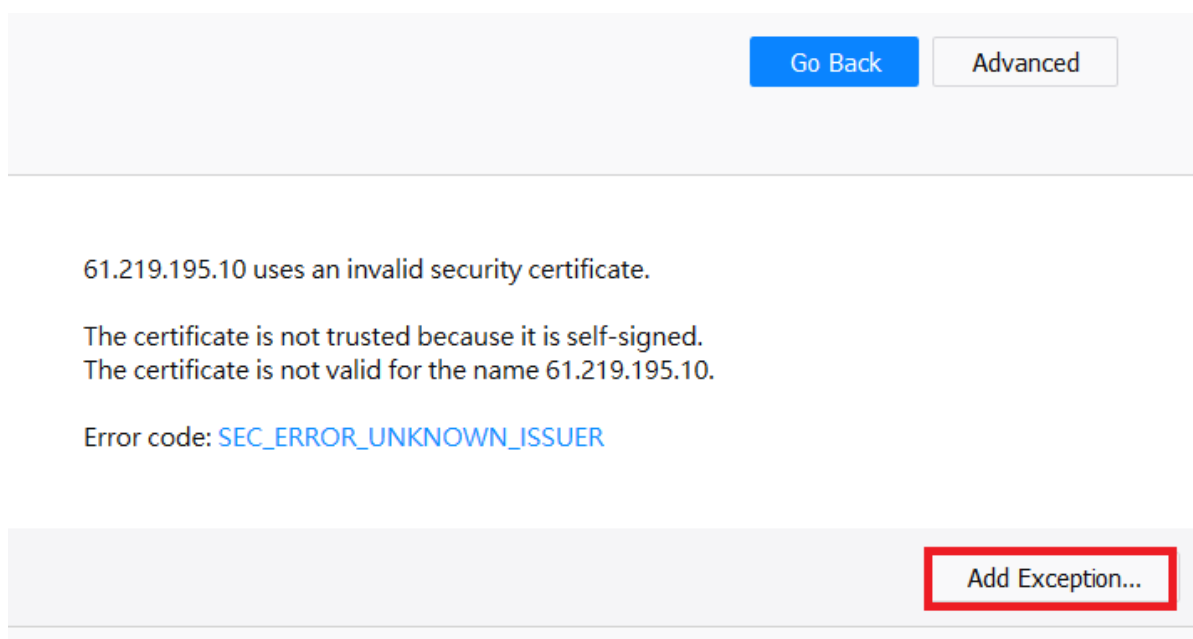
The owner of 61.219.195.10 has configured their website improperly. To protect your information from being stolen, Firefox has not connected to this website.

[Learn more...](#)

Report errors like this to help Mozilla identify and block malicious sites

[Go Back](#) [Advanced](#)

Then, click on “**Add Exception...**” to continue.



[Go Back](#) [Advanced](#)

61.219.195.10 uses an invalid security certificate.

The certificate is not trusted because it is self-signed.
The certificate is not valid for the name 61.219.195.10.

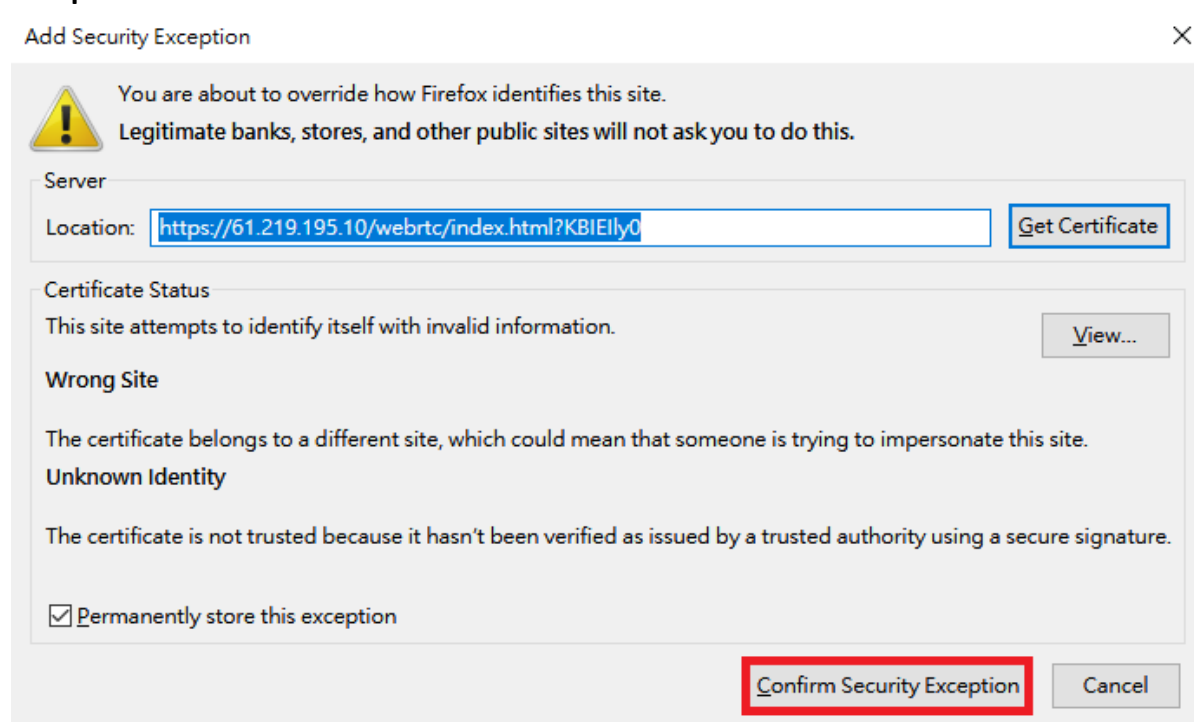
Error code: [SEC_ERROR_UNKNOWN_ISSUER](#)

[Add Exception...](#)

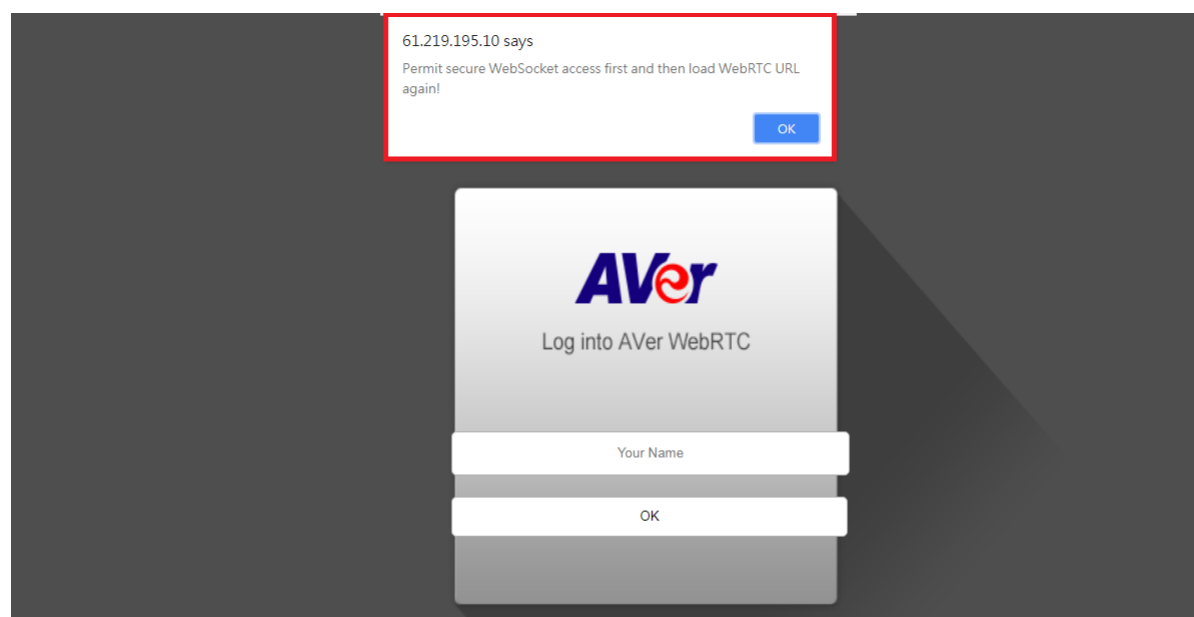


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“Add Security Exception” window will pop up and click on “**Confirm Security Exception**”



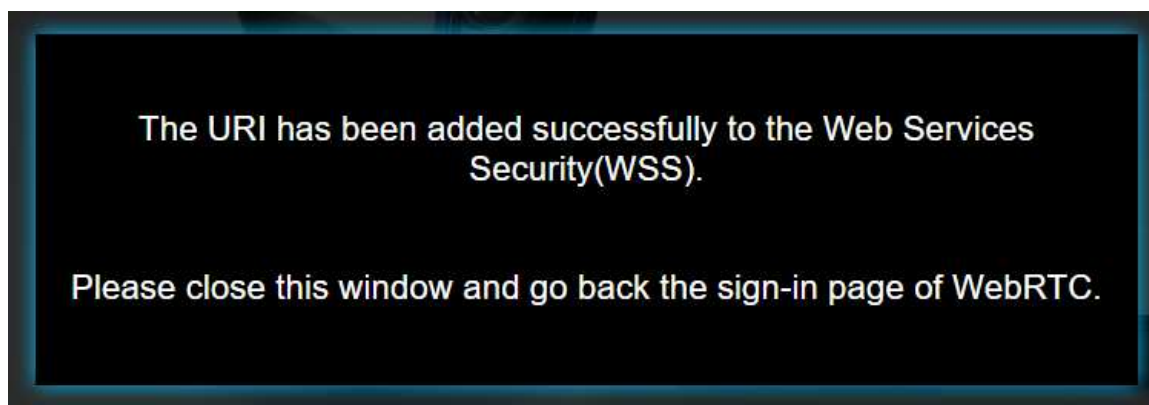
3. After precede private certificate message, the WebRTC sign in screen and a pop up message “**Permit Secure WebSocket access first and load WebRTC URL again!**” will show on the browser. Click on “**OK**” to establish Secure WebSocket connection and continue.



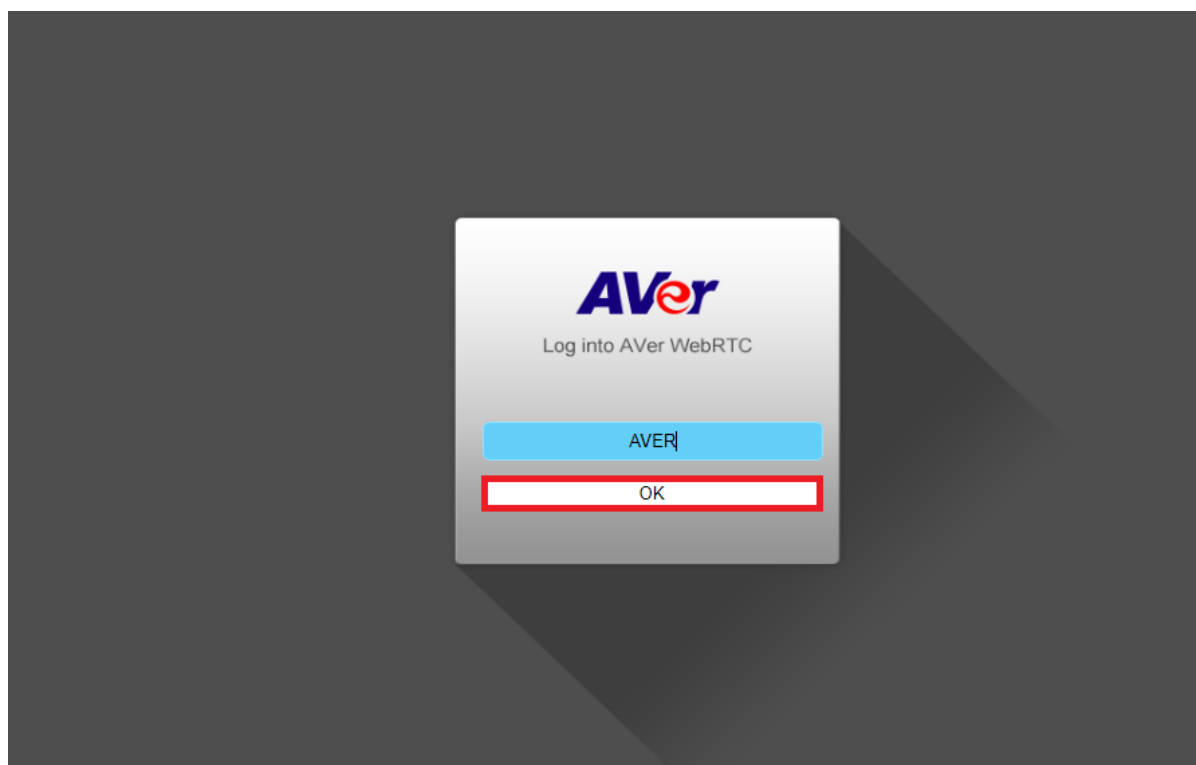
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4. Following WebRTC URI reload, a pop window informs “**The URI has been added successfully to the Web Services Security (WSS)**”. Please close the window and continue sign-in.

If you don't see this message on a pop window, please make sure the browser allows pop up. Or, you can manual build up WSS connection on another browser window with this URI: “https://(Your SVC IP):10443**”*



5. On refreshed sign-in screen, please enter the name you would like to show in the meeting and click on “**OK**” to sign in



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6. Once sign-in, you are in the meeting!



WebRTC User Interface



Something you may want to know about WebRTC...

1. No content sharing out from WebRTC client site, but is able to receive from other participants.
2. Call resolution from WebRTC max. can reach 720P.
3. Video and audio are encrypted and secured.
4. You might need to open port 10443 for SVC passing through your firewall / router.
5. SIP Operating Mode must be selected as "Become a Server" for WebRTC client sign in.