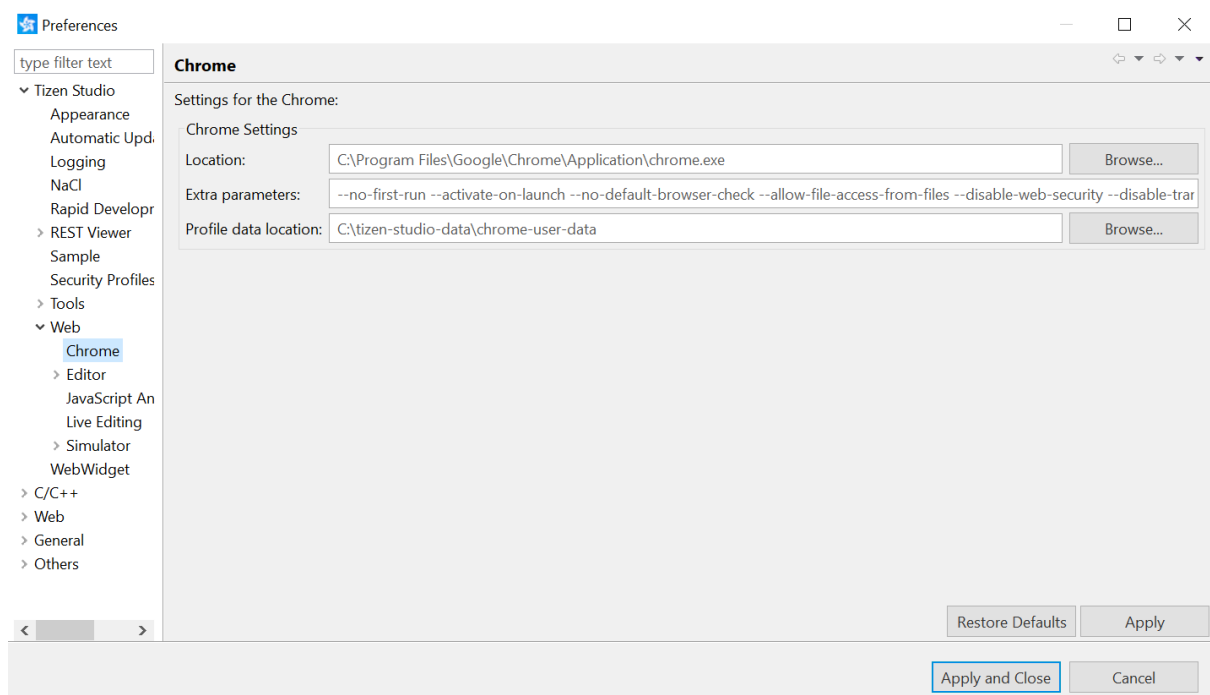


Tizen Studio Web Inspector to Install & Debug Tizen 6.5 TEP Hotel TV App

The Tizen Studio provides the Web Inspector as a debugging tool. This topic describes how to use the Web Inspector to test applications running on a Target Device.

1.) Tizen Studio Setup

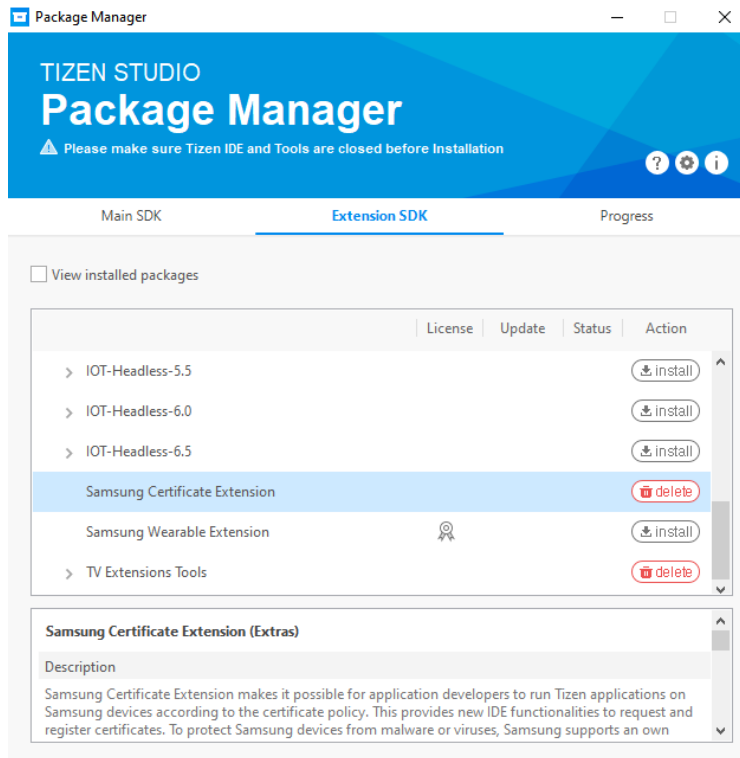
- The Google Chrome™ Web browser is required to use the Web Inspector. Before using the Web Inspector, you must first configure the Tizen Studio settings:
- In the Tizen Studio menu, select "Window > Preferences > Tizen Studio > Web > Chrome".



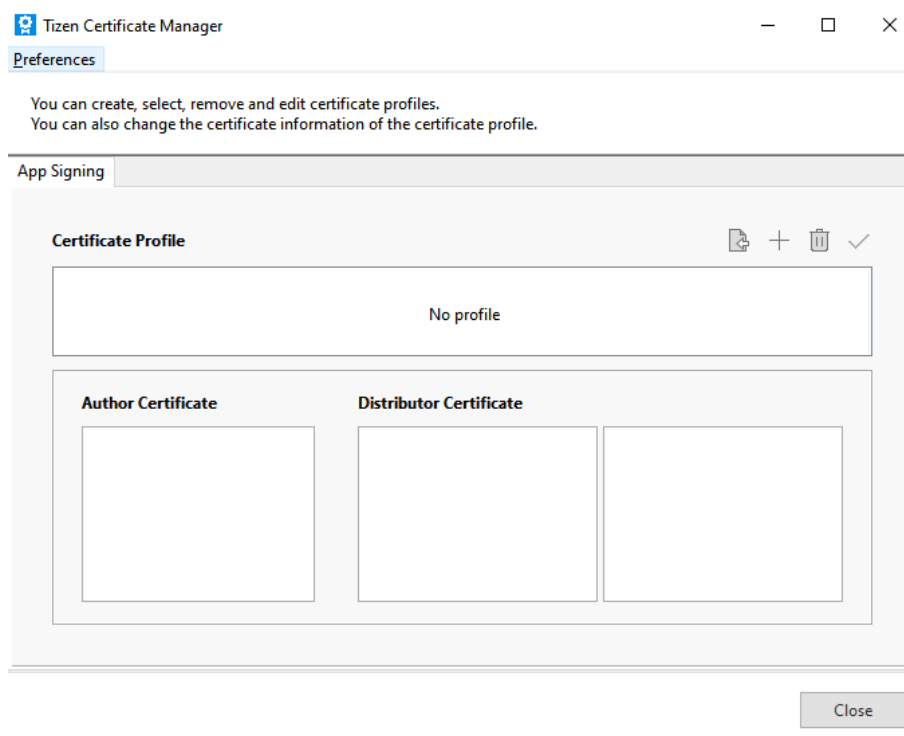
- In the "Location" field, enter the path to your Google Chrome™ browser installation. The Tizen Studio automatically detects your installation, but if you have installed the browser in a custom location, you must set the location manually.
- In the "Extra parameters" field, enter the following parameters:
- --no-first-run --activate-on-launch --no-default-browser-check --allow-file-access-from-files --disable-web-security --disable-translate --proxy-auto-detect --proxy-bypass-list=127.0.0.1 --enable-blink-features=ShadowDOMV0 --enable-blink-features=CustomElementsV0
- The extra parameters are needed for the application to work properly.
- In the "Profile data location", enter the path as below:
"C:\tizen-studio-data\chrome-user-data"

2.) Samsung Certificate in Tizen Studio

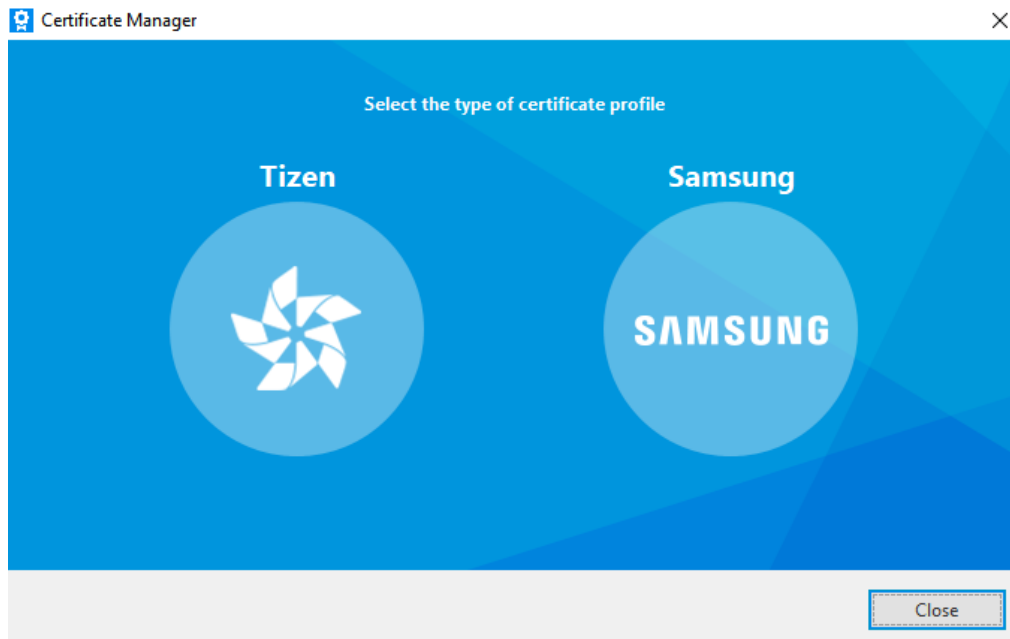
- In Tizen Studio, click “Tools > Package Manager”.
- Install “Samsung Certificate Extension”.



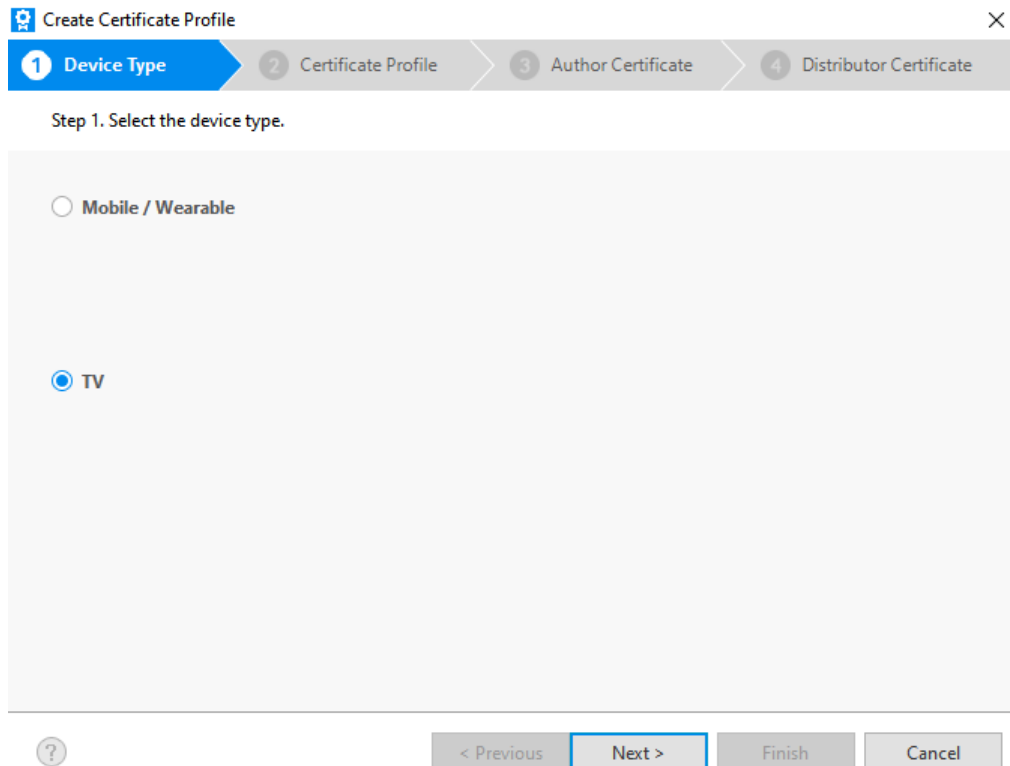
- In Tizen Studio, click “Tools > Certificate Manager”
- Click “+” button.



- Select “Samsung” certificate



- Select “TV” device type



- Enter a name for the certificate profile

The screenshot shows the 'Create Certificate Profile' wizard at Step 2. The progress bar at the top indicates the current step is 'Certificate Profile' (2), with 'Device Type' (1) completed and 'Author Certificate' (3) and 'Distributor Certificate' (4) pending. The main content area has two radio button options: 'Create a new certificate profile' (selected) and 'Select an existing certificate profile'. Under the first option, there is a text input field containing the word 'Sample'. Below the second option is an empty rectangular box. At the bottom, there is a help icon, a '< Previous' button, a 'Next >' button (highlighted with a blue border), a 'Finish' button, and a 'Cancel' button.

- Add an author certificate
- You can create a new author certificate or import an existing one

The screenshot shows the 'Create Certificate Profile' wizard at Step 3-1. The progress bar at the top indicates the current step is 'Author Certificate' (3), with 'Device Type' (1) and 'Certificate Profile' (2) completed and 'Distributor Certificate' (4) pending. The main content area has two radio button options: 'Create a new author certificate' (selected) and 'Select an existing author certificate'. Under the first option, there is a collapsed 'Advanced options' section. At the bottom, there is a help icon, a '< Previous' button, a 'Next >' button (highlighted with a blue border), a 'Finish' button, and a 'Cancel' button.

- Add an author certificate

Create Certificate Profile ×

✓ Device Type > ✓ Certificate Profile > **3 Author Certificate** > 4 Distributor Certificate

Step 3-2. Create a new author certificate. The fields marked with * are mandatory.

Author name*

Password*

Confirm password*

Apply the same password for the distributor certificate

Additional Fields

? < Previous Next > Finish Cancel

- Login with Samsung account

SAMSUNG Account ×

Sign in to your Samsung account


Email ×

Remember my ID

Next

[Find ID](#)

[Create account](#)

 Sign in with Google

- Keep your certificates backup in a safe location. When you update your published applications, the update must be signed with the same author certificate as the original application.
- If the applications are signed with different author certificates, the update can be recognized as a different application and not an update.

The screenshot shows the 'Create Certificate Profile' wizard at Step 3-3, 'Author Certificate'. The progress bar at the top indicates that 'Device Type' and 'Certificate Profile' are completed, 'Author Certificate' is the current step, and 'Distributor Certificate' is next. The main content area displays a 'Congratulations!' message stating that the new author certificate is located at the path `C:/Users/banpei.lim/SamsungCertificate/Sample`. It includes instructions to register or update the application in the seller site and to back up the certificate. A 'Backup path' field with a 'Browse' button is provided. At the bottom, there are navigation buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

- Add a distributor certificate
- Select "Create a new distributor certificate"

The screenshot shows the 'Create Certificate Profile' wizard at Step 4, 'Distributor certificate'. The progress bar at the top shows 'Device Type', 'Certificate Profile', and 'Author Certificate' as completed steps, with 'Distributor Certificate' as the current step. The main content area offers two radio button options: 'Create a new distributor certificate' (which is selected) and 'Select an existing distributor certificate'. Below the second option, there are input fields for 'Certificate Path' (with a 'Browse' button) and 'Password Confirm'. At the bottom, there are navigation buttons: '?', '< Previous', 'Next >', 'Finish', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

- For Tizen API please select “Partner” privilege
- Add the device ID (DUID) for the target device

Create Certificate Profile

Device Type Certificate Profile Author Certificate **4 Distributor Certificate**

Step 4-1. To install applications to a Samsung device, the device DUID (Device Unique Identifier) must be included in the distributor certificate.

Privilege* Partner

Password* Public
Partner

Password Confirm*

Import a DUID list file*

Add individual DUIDs*

Enter DUID manually or connect to a device

Enter DUID manually or connect to a device

Enter DUID manually or connect to a device

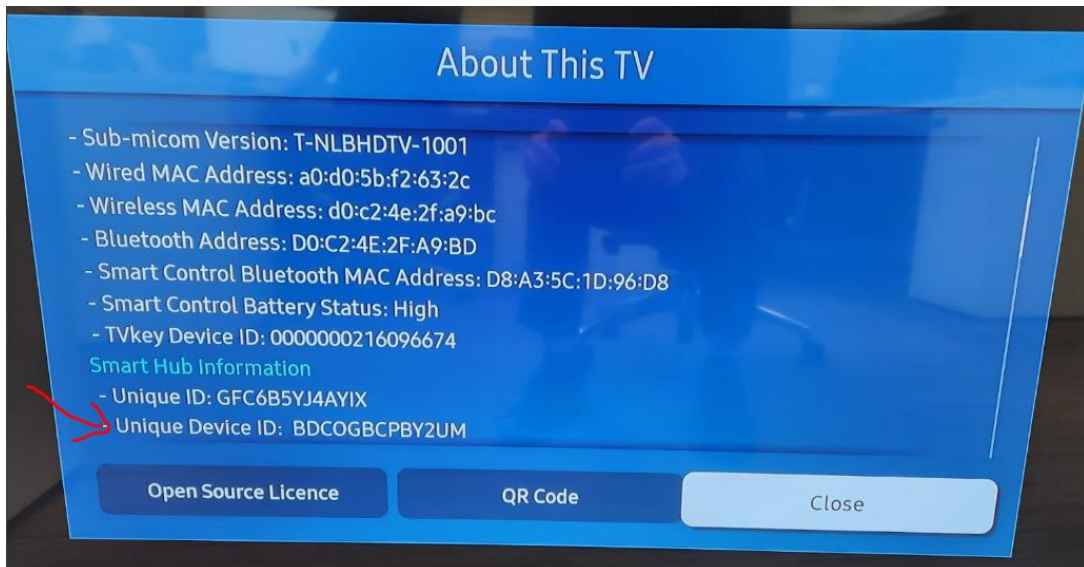
Enter DUID manually or connect to a device

Enter DUID manually or connect to a device

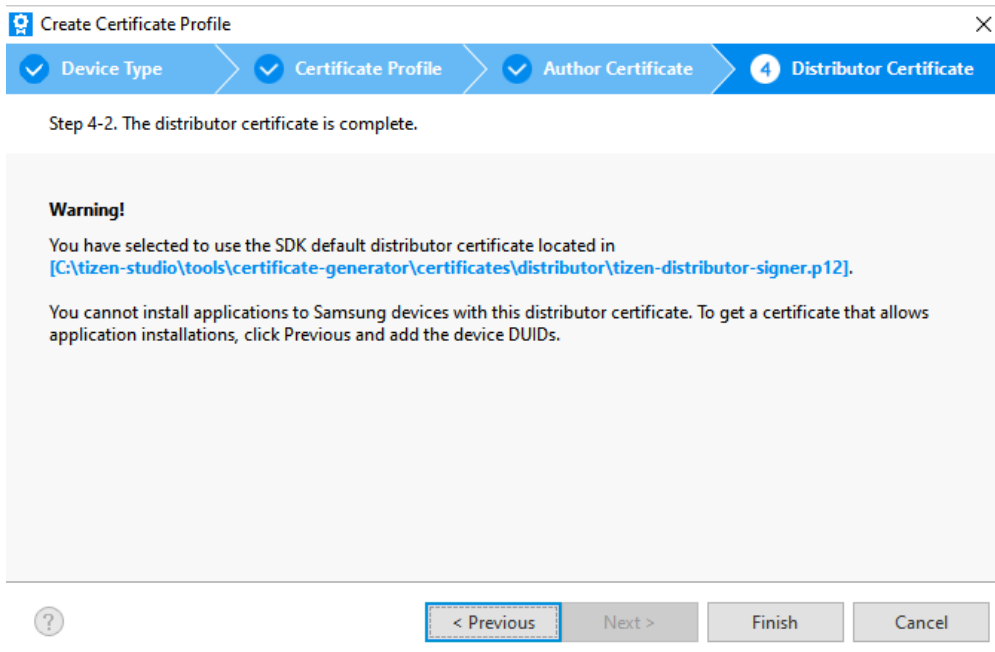
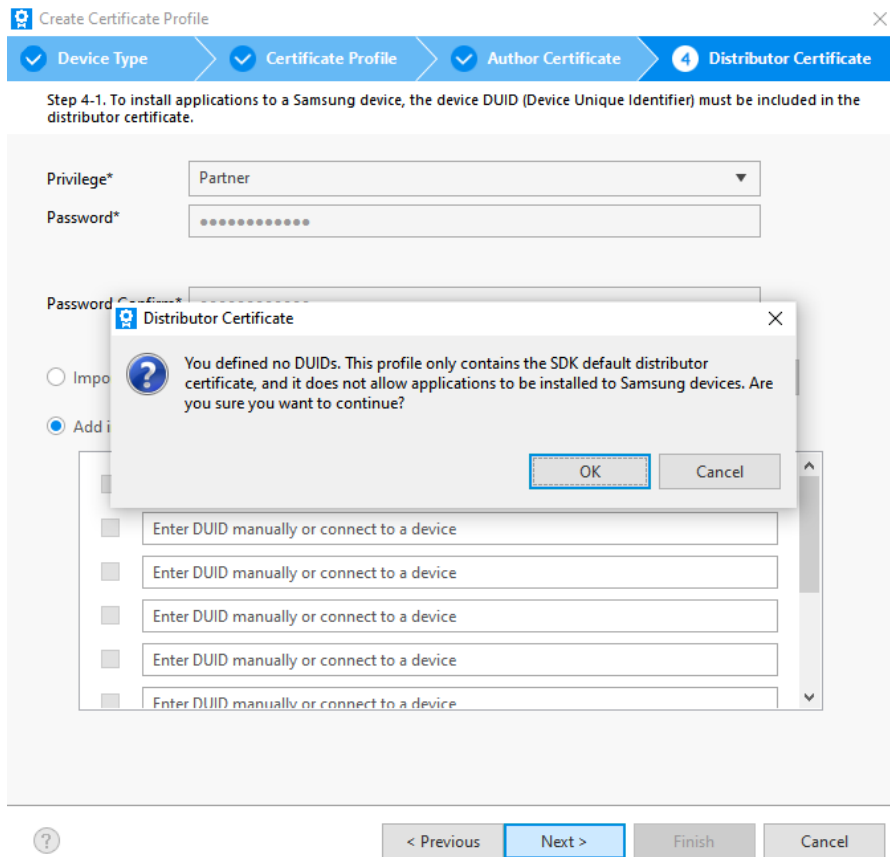
Enter DUID manually or connect to a device

Enter DUID manually or connect to a device

- Check the Target Device DUID as below

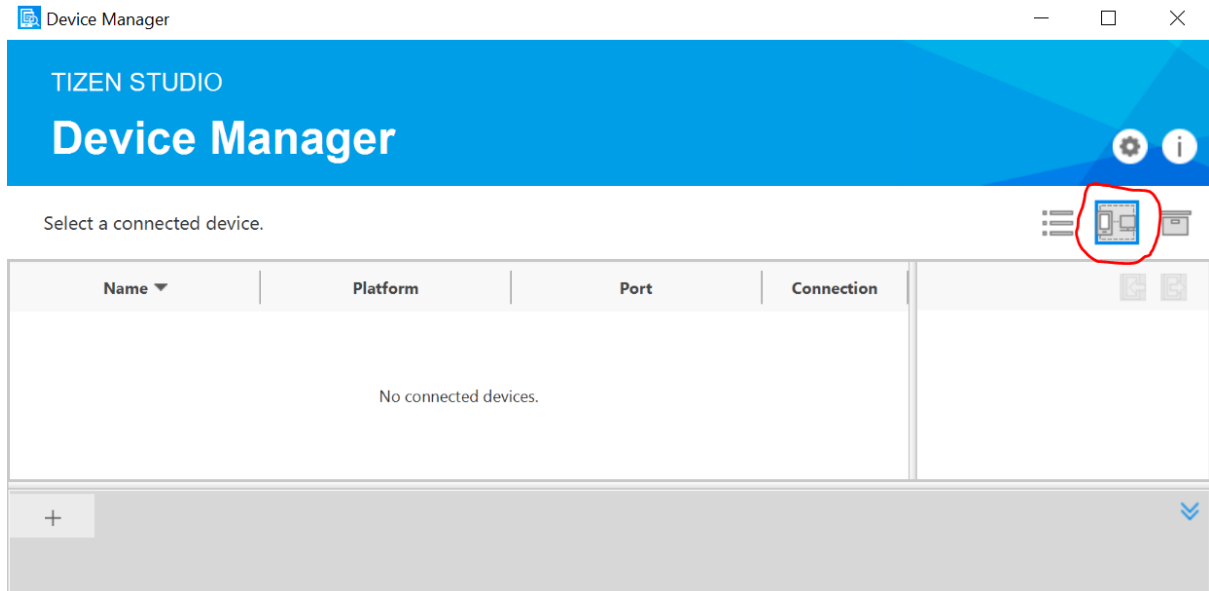


- Must include DUID, else the application cannot be installed to Samsung devices

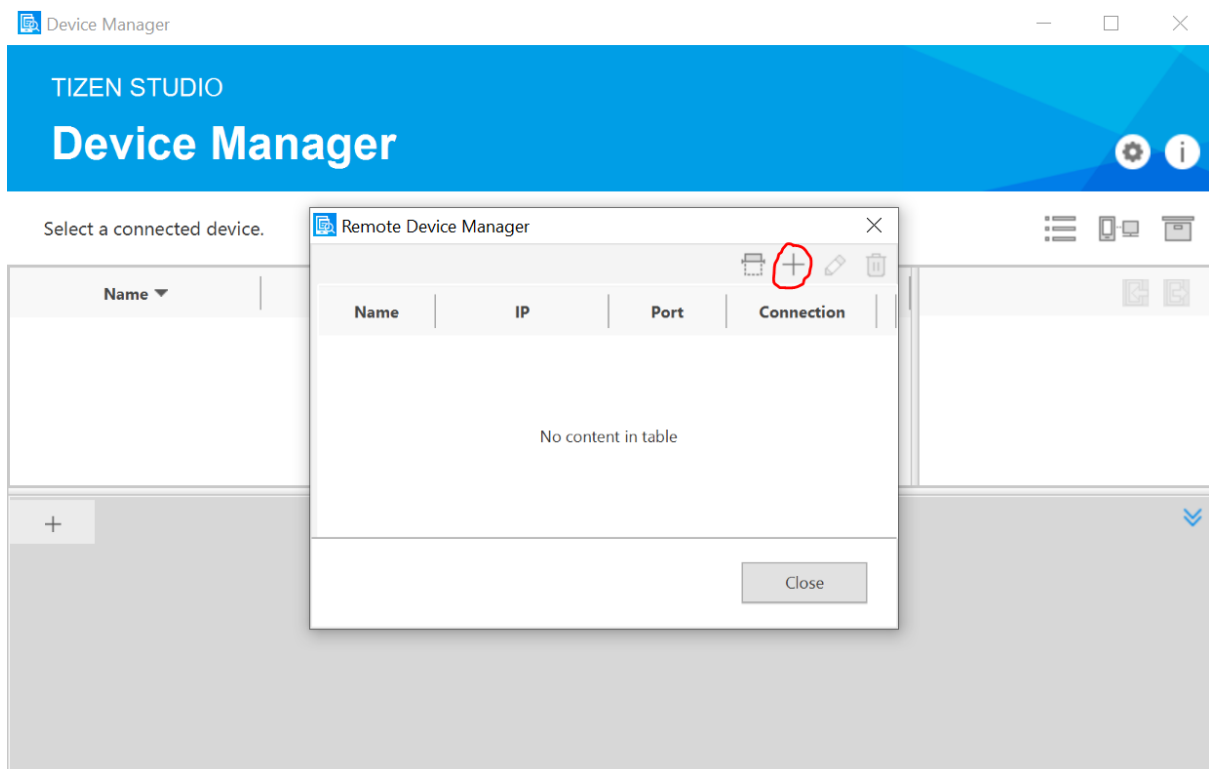


3.) Connect the Target Device to Tizen Studio Device Manager

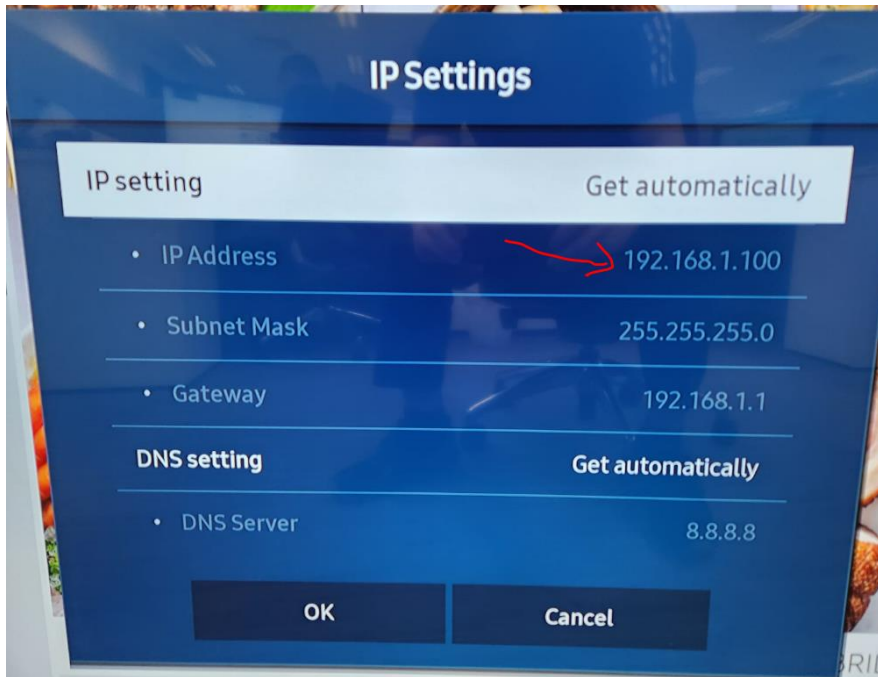
- In Tizen Studio, click “Tools > Device Manager”
- In “Device Manager”, click the red circled button



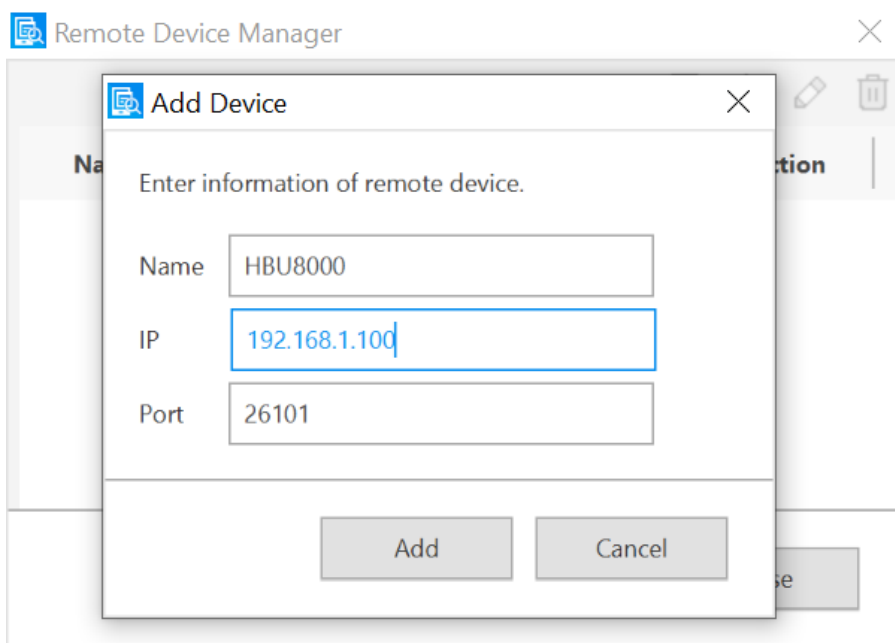
- Click “+”



- Check the TV IP Address



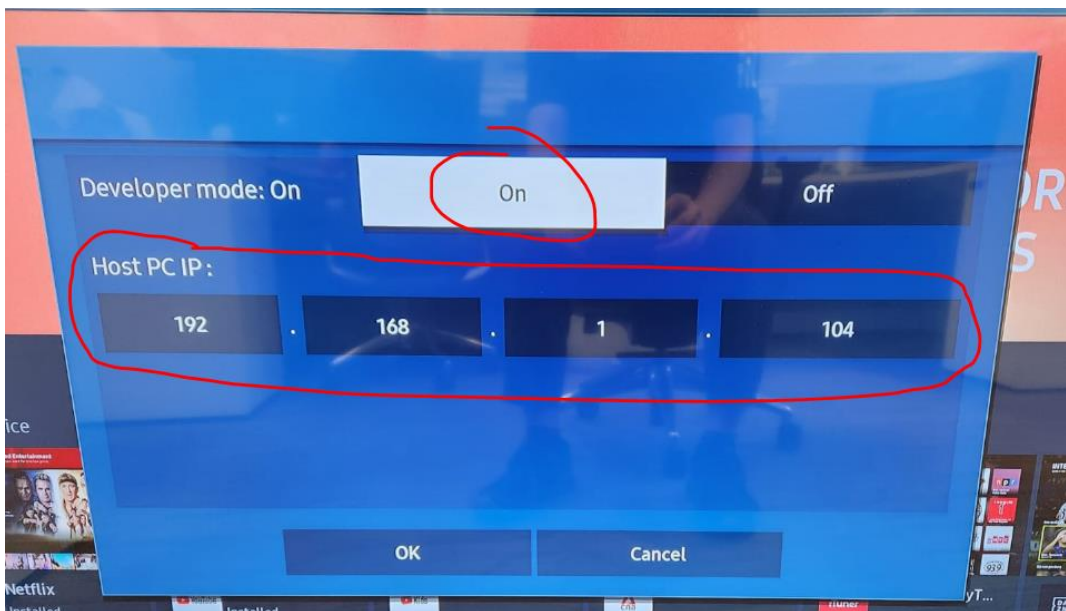
- Input the TV Name
- Input the TV IP Address
- Input the Port Number



- Click TV “App” icon



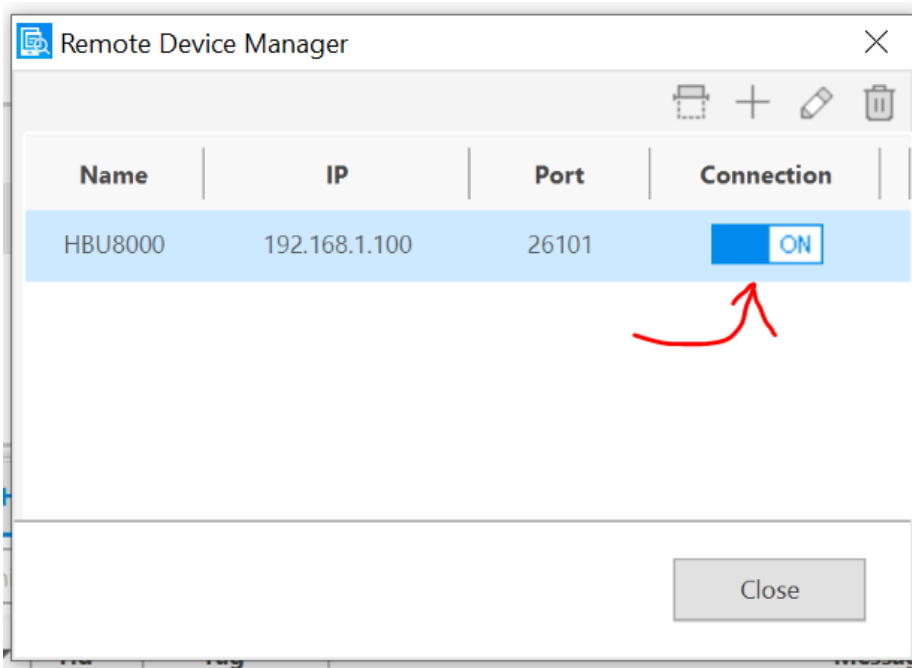
- Using Remote, Press “1 2 3 4 5”
- Switch On “Developer Mode”
- Key in Tizen Studio Host PC IP address



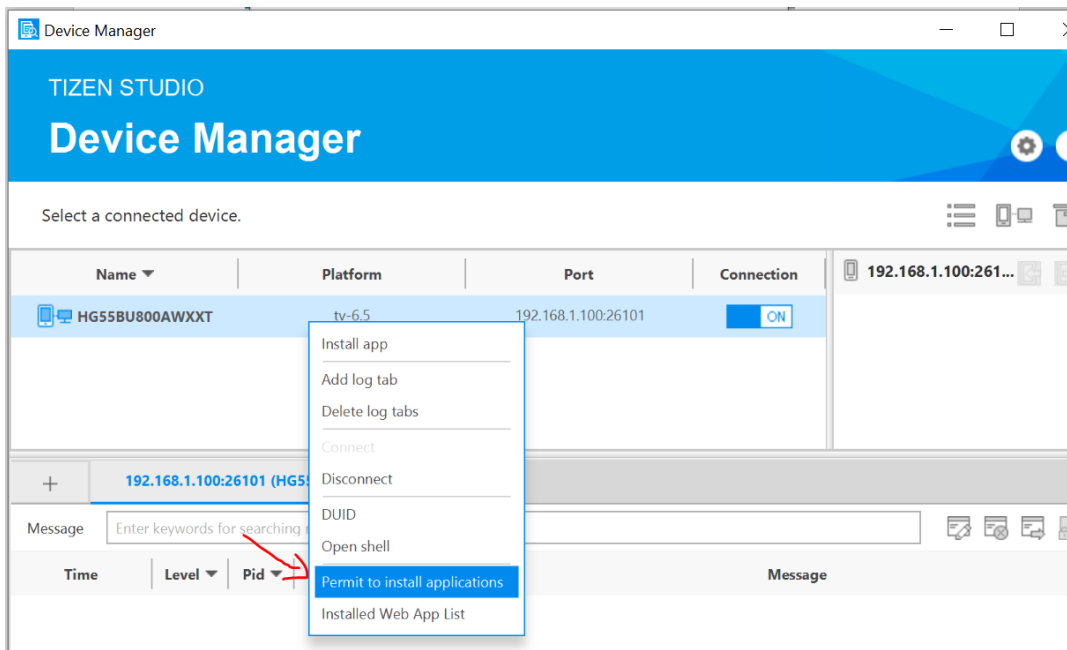
- TV “Developer Mode” is switched on



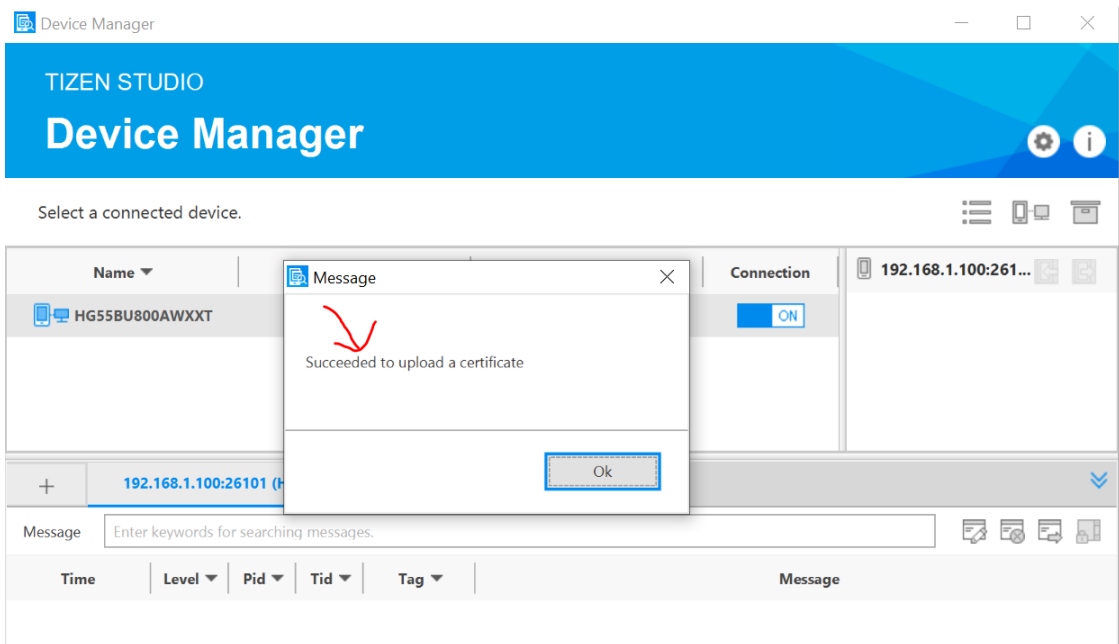
- Go to Tizen Studio Device Manager, turn on the “Connection



- Right click the device, click “Permit to install applications”

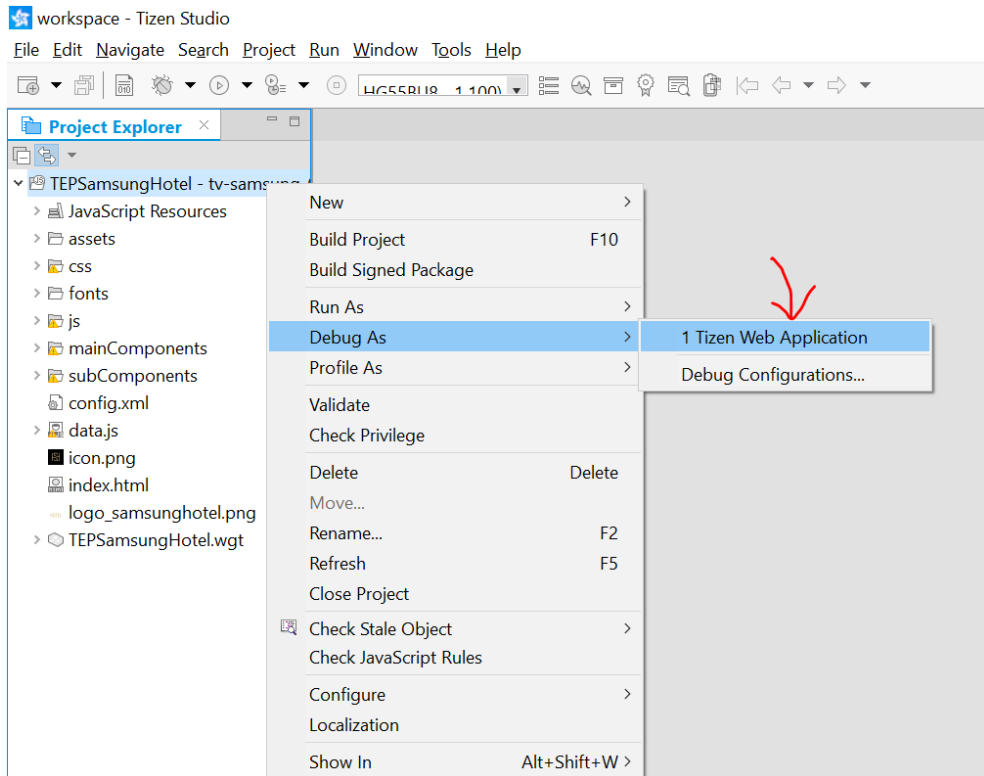


- Message “Succeeded to upload a certificate” is shown



4.) Debugging

- In Tizen Studio, Click “Debug As → Tizen Web Application”.



- App is uploaded in TV



- User debug the App using Chrome DevTools as shown below

