



## AMX Unmanaged Platform – Samsung TV Installation of Claro TV Build on Samsung TV

Ver: 1.0

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Initials      Sign s Date

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# Introduction

This document briefly explains the steps to install the Claro TV Application developed for SAMSUNG Smart TV Devices. For Development & Testing purposes, the Claro TV application is installed manually using the side-loading procedure to the SAMSUNG TV Devices.

## Environmental Setup

Below is a step-by-step guide for installing the Claro TV application on your LG TV for the first time.

### Prerequisite:

For the Samsung TV build (.WGT) file to be successfully installed on your TV, below are the steps to be followed:

1. [Installation of Tizen Studio Software](#)
2. [Connecting the Samsung TV to the PC](#)
3. [Extracting the DUID of the Targeted TV](#)
4. [Adding the Certificates in Tizen Studio](#)

## 1. Installation of Tizen Studio

5. [Installing the .WGT file in the Samsung TV](#)

Visit the site <https://developer.tizen.org/> and download the Tizen Studio IDE to the Laptop.

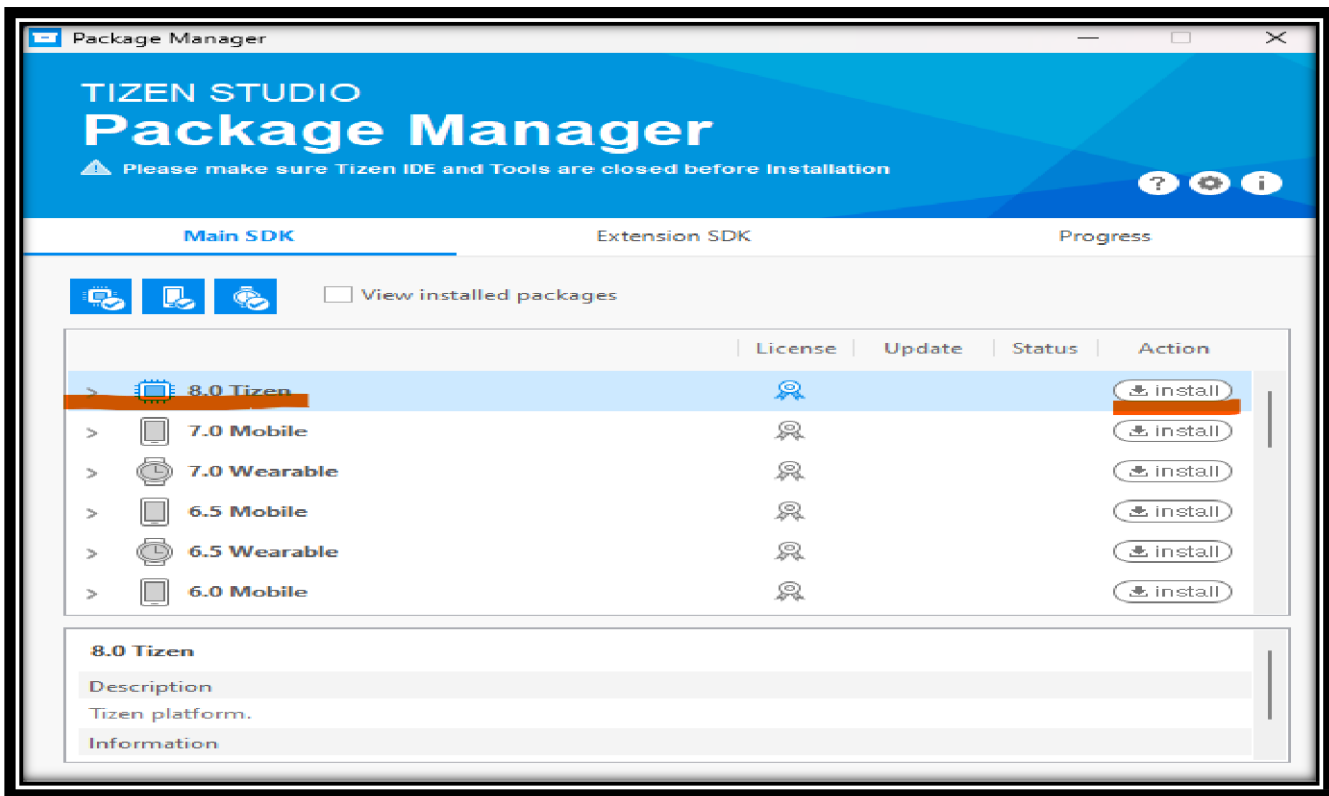


Once the download is done, you will see the downloaded application file as “web-ide\_Tizen\_Studio\_5.6\_windows-64”

Start the installation process by **double-clicking on the “web-ide\_Tizen\_Studio\_5.6\_windows-64” file.**

**Set the path** for “Tizen Studio to be installed in the appropriate drive.

Once the Tizen Studio is Installed, the below screen will appear.



Click on the “**8.0 Tizen**” to install (As highlighted in the above Screenshot)

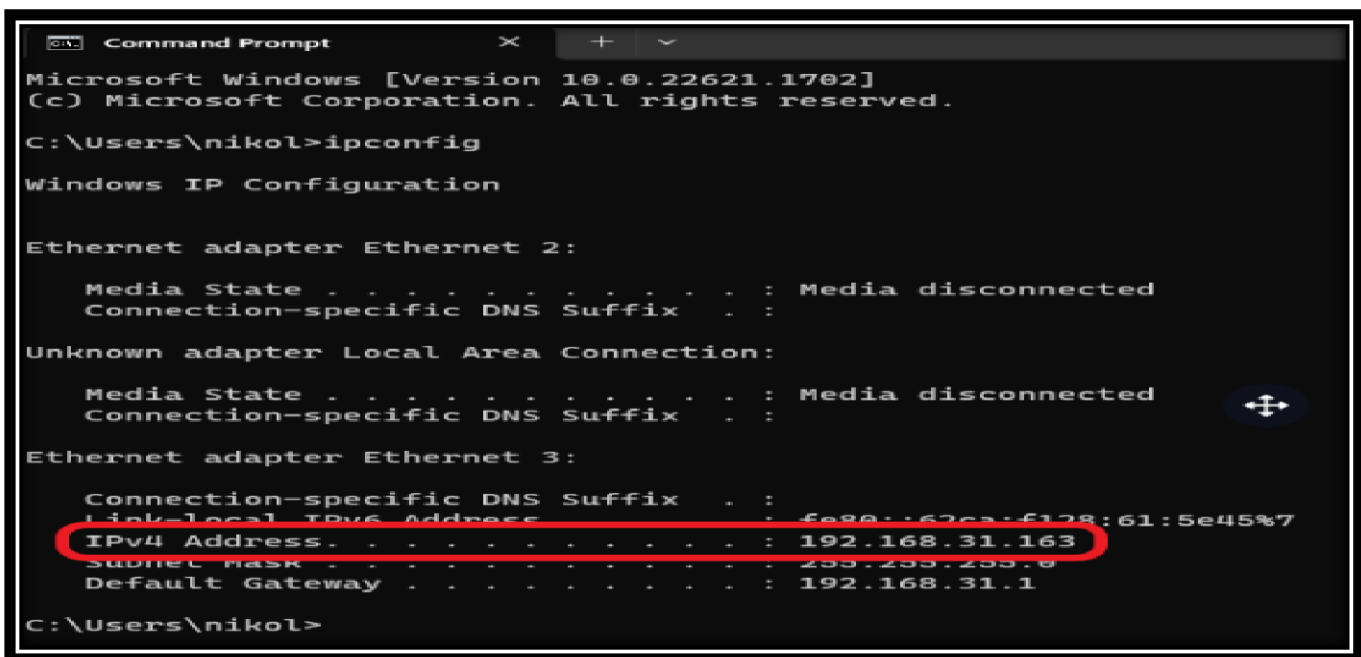
This will start installing the “**SDK**” files required.

## 2. Connecting the Samsung TV to the PC

First, we need to put your Samsung TV in the **develop** mode. To do this, you should follow the next steps.

**NOTE:** Ensure your PC and TV are connected to the **same network**.

1. On your Windows PC, open the **Command Prompt**.
2. In the Command Prompt, type **ipconfig** and press Enter on your Keyboard.
3. Remember the **IPv4 address** (Example: 192.168.31.163).



## Turn on your Samsung TV.

Open the **Apps** app.

In the Apps app, press the following buttons on your **Remote Control Unit: 1, 2, 3, 4, 5.**

After pressing the last number (5), you should see a **Developer screen**. Switch Developer mode to On, and in the **Host PC IP**, enter the previously remembered IP from Step 3.



After entering the Host PC IP, select the **OK** button.

You should now see the Information screen; you can close this screen, then **turn it off, and turn on the TV.**

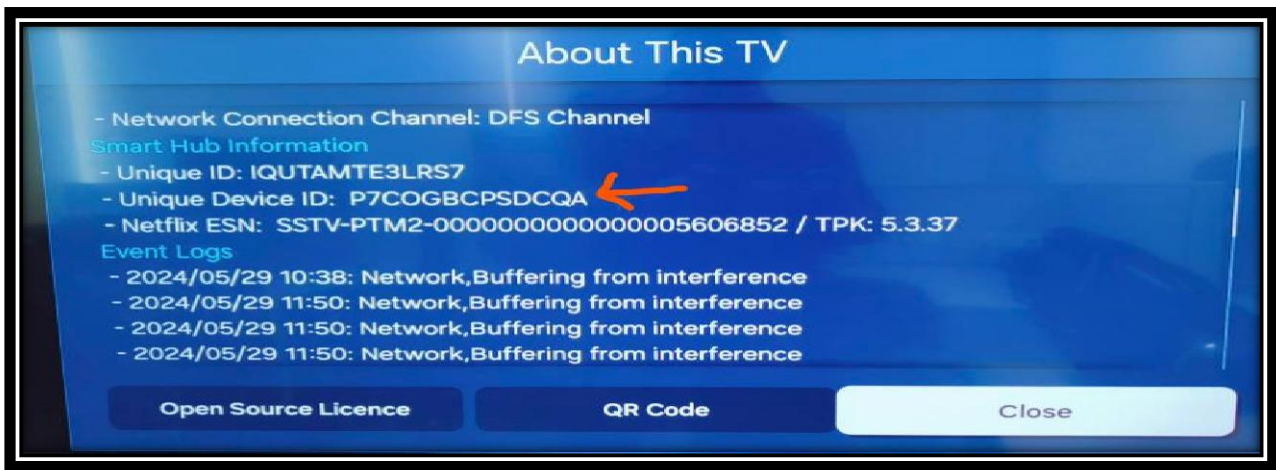
After turning on the TV, that would be all. No more steps need to be done on TV

## 3. Extracting DUID from the Samsung TV

Below are some methods to locate the DUID of the Samsung TV. DUID is the Device Unique ID that is used for generating the Certificates.

### Method 1:

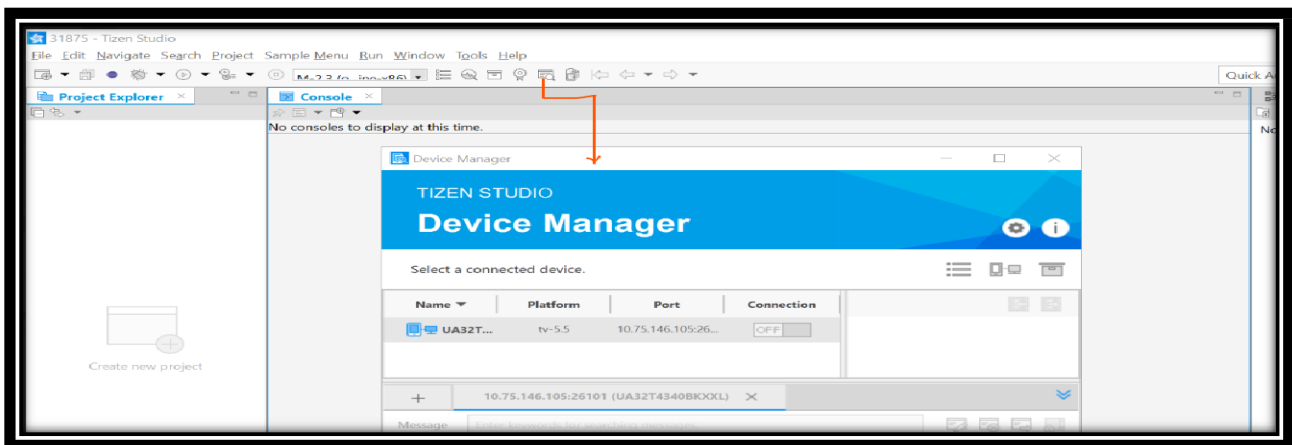
1. **Switch on** the Samsung TV.
2. Using the TV Remote go to Home and **Navigate to Settings.**
3. Click OK to **launch the Settings Screen.**
4. In the Settings screen navigate to the **“Support Tab”**
5. Under the Support Tab, navigate to the option **“About TV”**
6. Press **OK** on **“About TV”**
7. Using the Remote down Arrow come to the option **“Smart Hub Information”**
8. You can locate the **“Unique Device ID”** here. Please see the below Picture for reference:



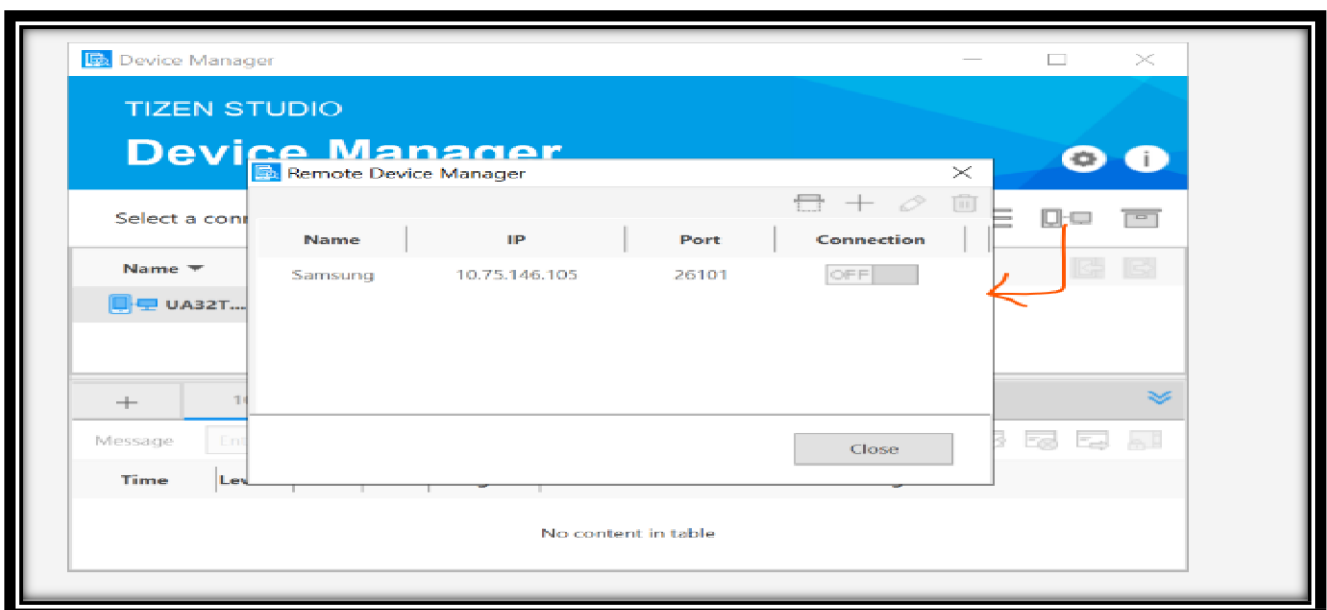
## Method 2:

Some Samsung Old Model TVs don't show the DUID on the Screen in the settings. We can use this method to get the UDID of the TV.

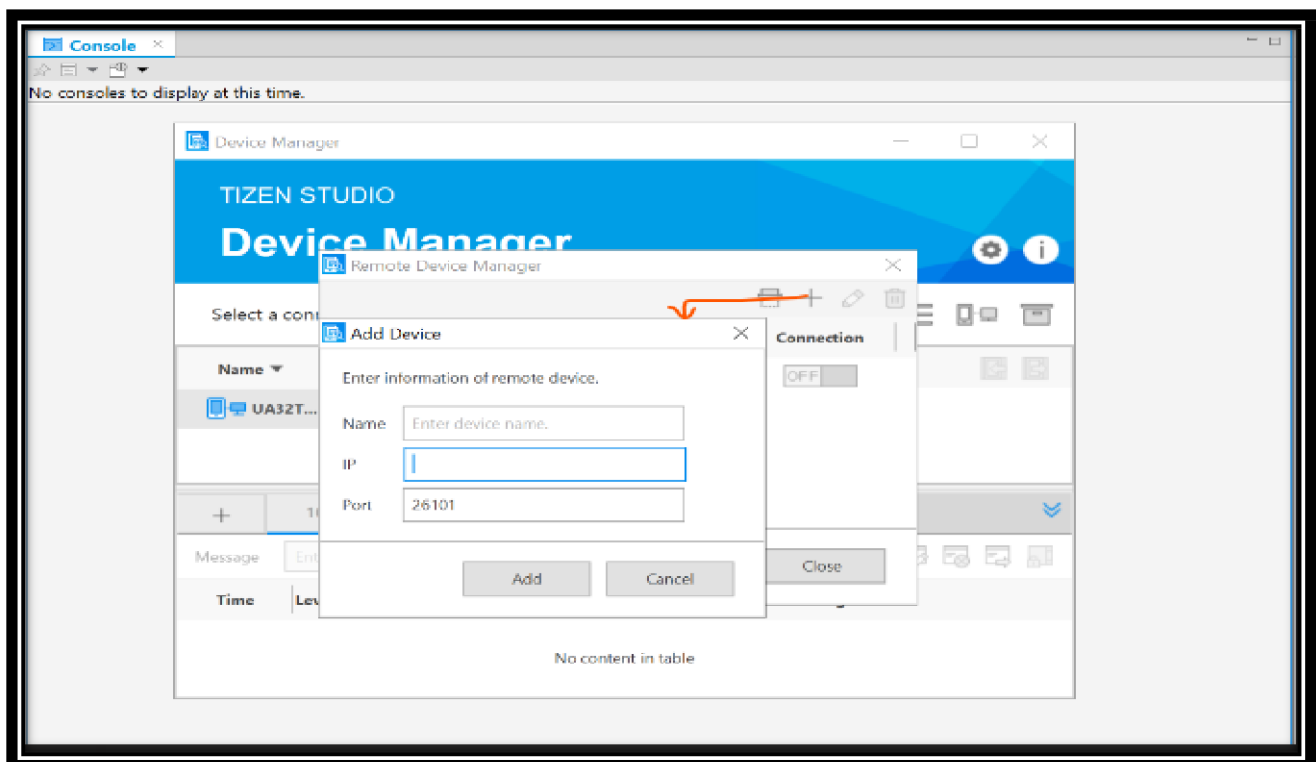
1. Connect the TV to the PC and Launch the **"Tizen Studio"** application in the PC.
2. **Add the TV** in "Tizen Studio" as described below:
3. Launch **"Device Manager"** in Tizen Studio by Clicking the "Device Manager" button.



4. Under Device Manager, open **Remote Device Manager**.



5. Click on the “+” symbol to “**Add Device**”.



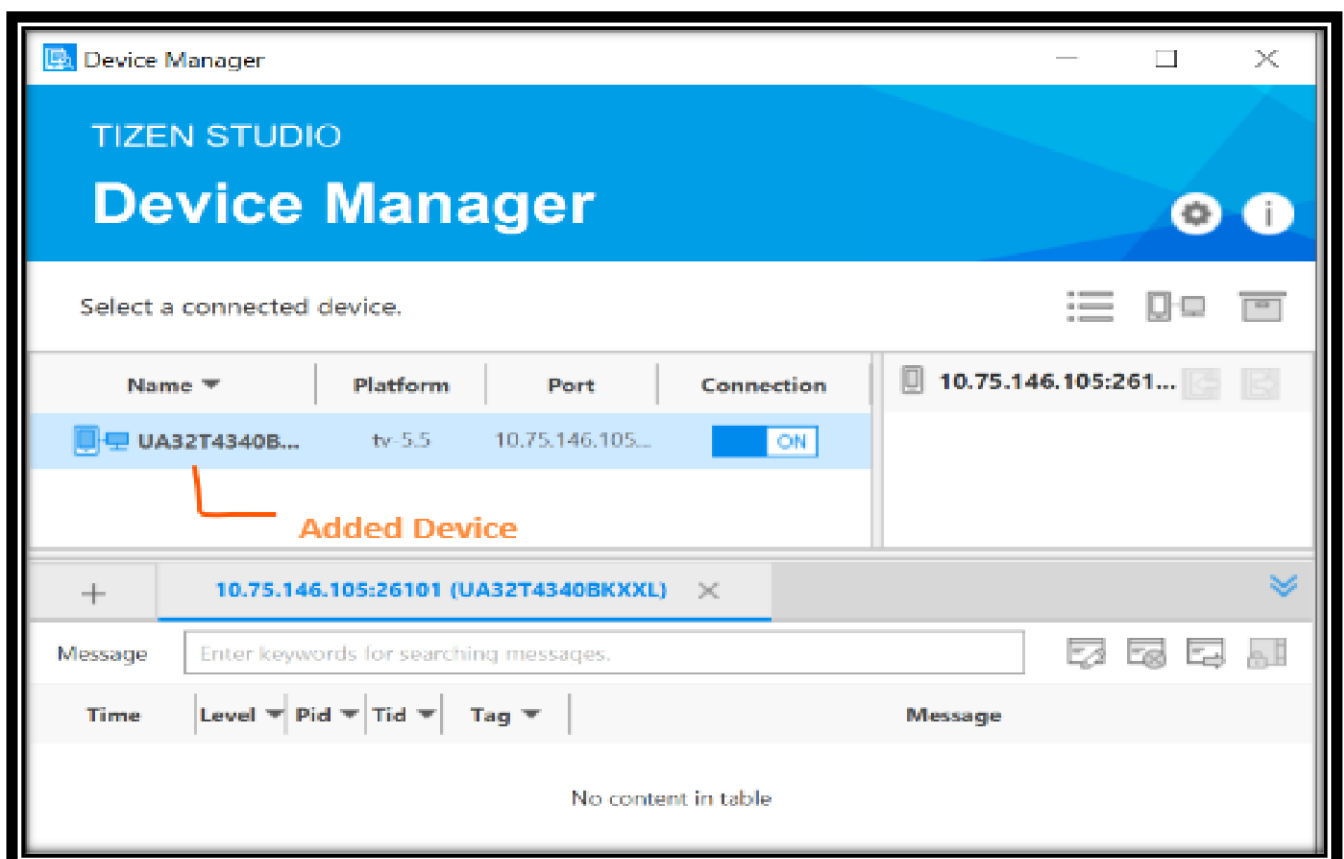
6. In the above screen add the Samsung TV details which will be used for Testing:

**Name** > Samsung

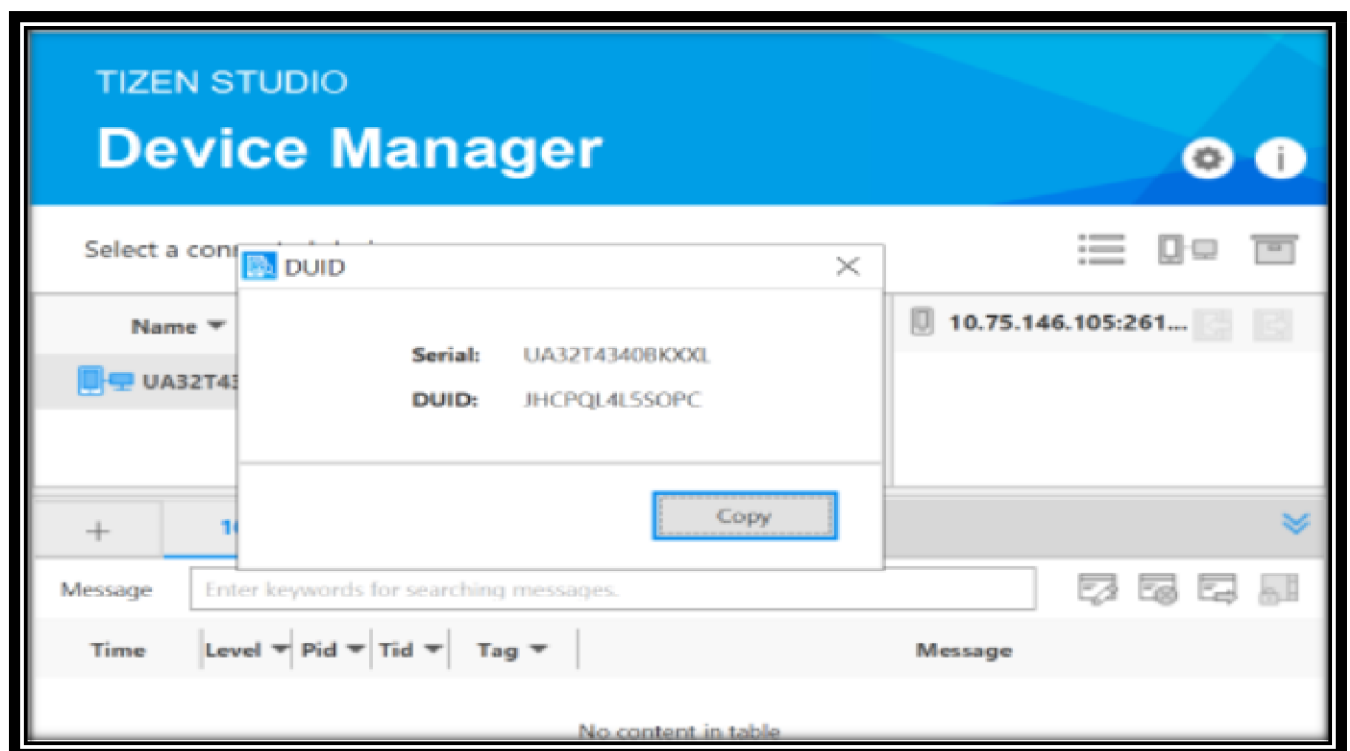
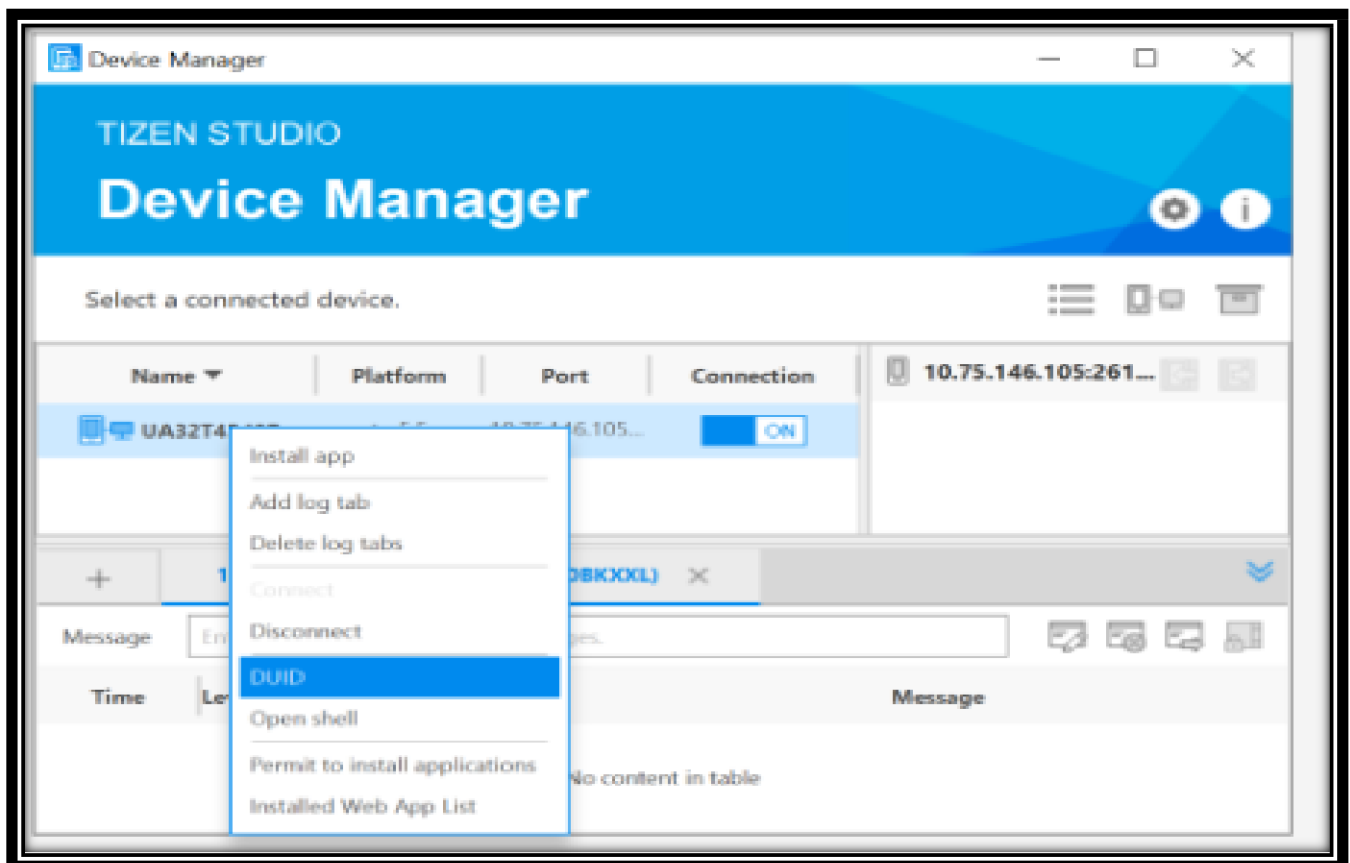
**IP** > The TV IP obtained earlier

**Port** > Default (Leave it as it is)

7. Press “**Add**” and the TV will be added and reflected in the **Device Manager**.



8. Right Click on the Device and **Select DUID**



9. Note down the “**DUID**” from this Menu



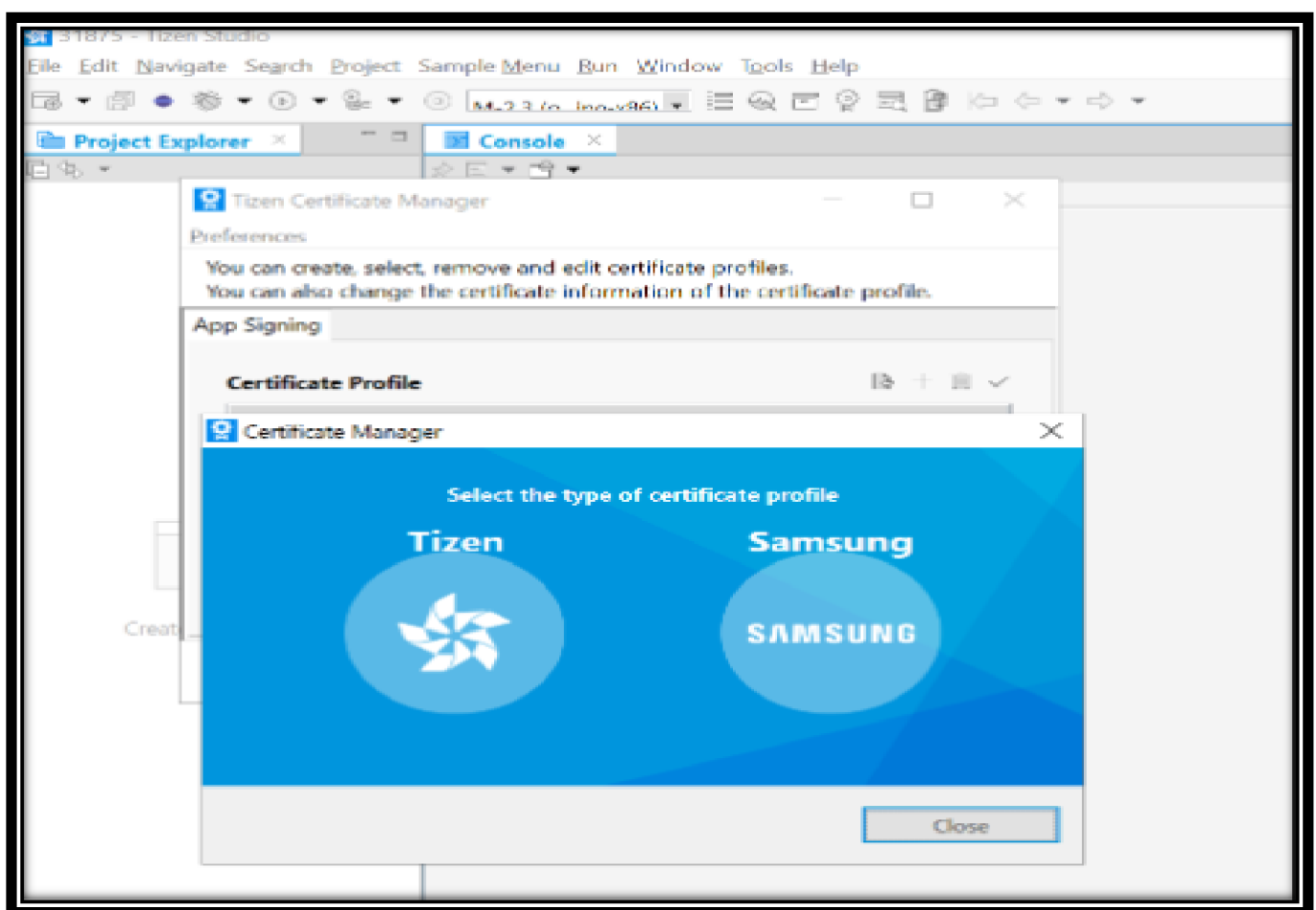
## 4. Adding Certificate in the Tizen Studio

Once you provide the DUID, the Developer will give 2 certificates and a .WGT file. We need to install the certificates first in the Tizen Studio. Below are the items provided by the developer:

- **Author.p12**
- **Distributor.p12**
- **Password for the certificates.**
- **claro\_smart\_tv\_samsung\_appStoreRelease\_x.x.x.wgt**

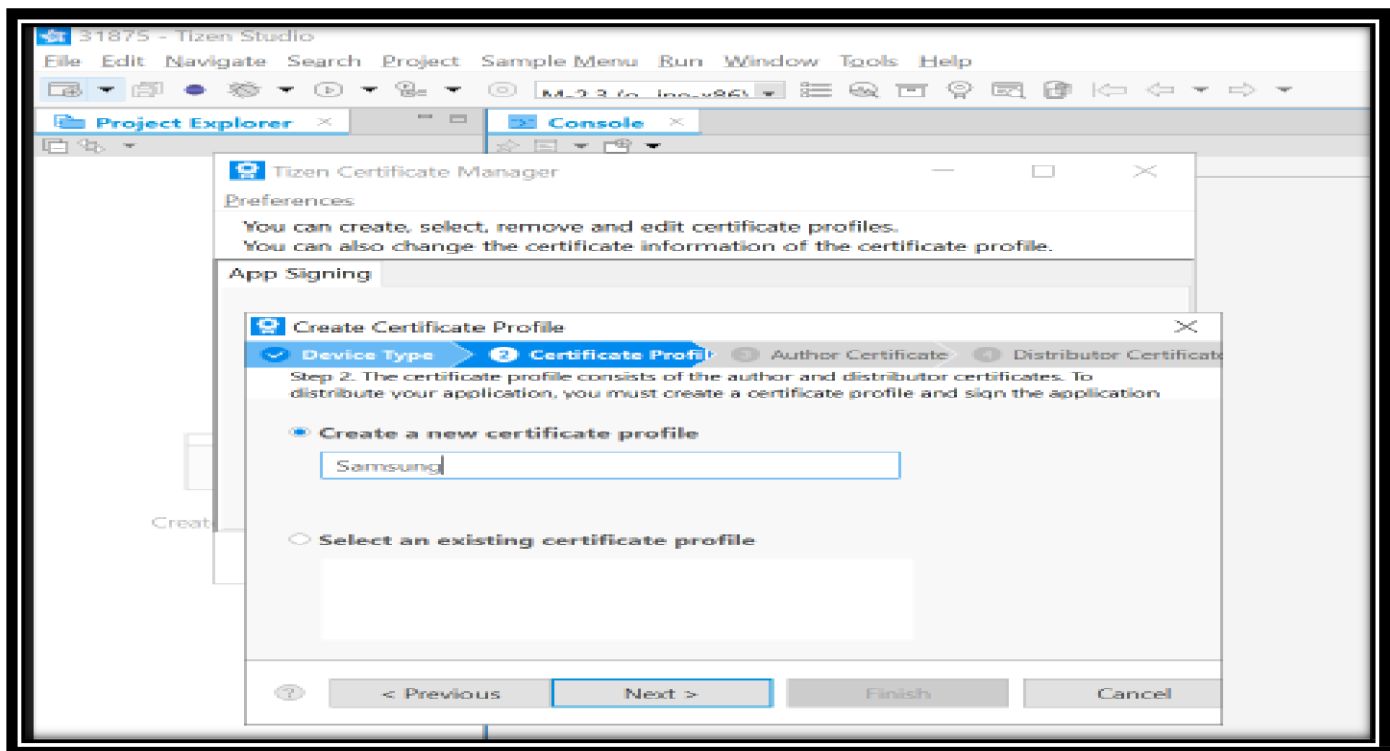
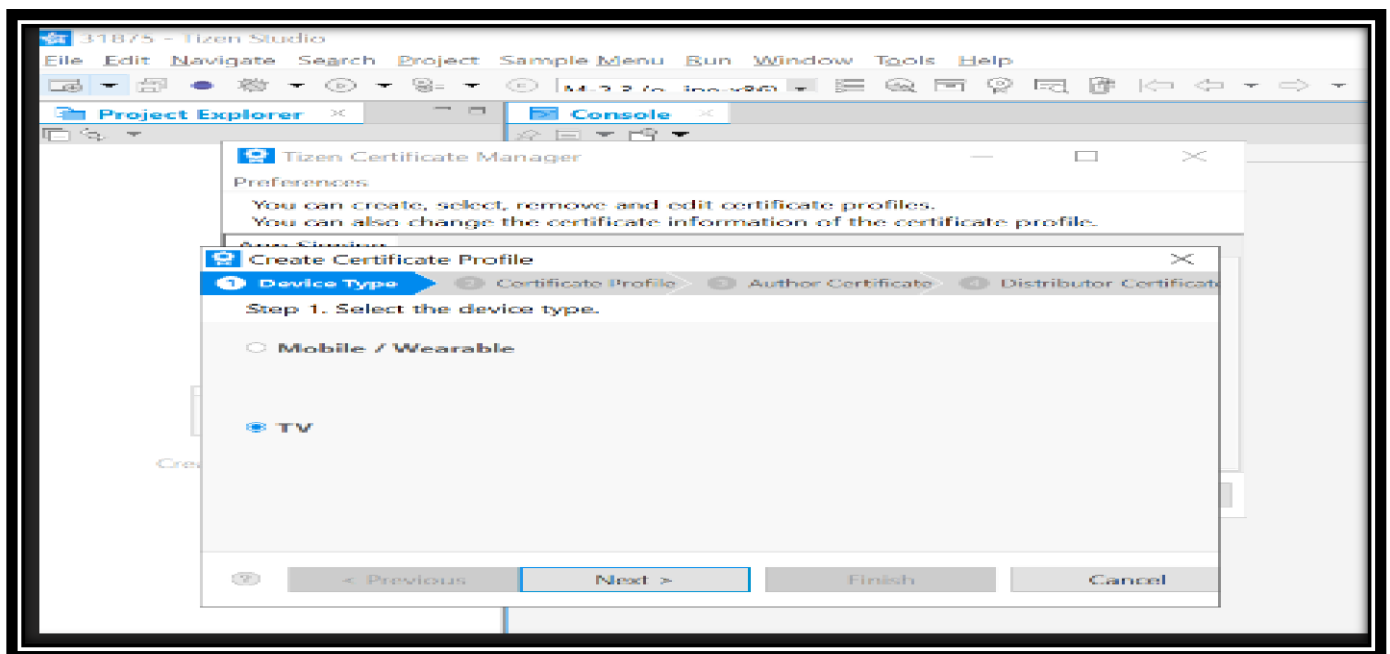
**Note:** Save the Certificates to the local drive of your PC. Note down the passwords for the certificates, shared by the developer.

Now we need to add Certificates to install the apps on TV. To add a Certificate, hover on the Tools menu, and click the Certificate Manager option. On the Certificate Manager window, click the + button to add a Certificate and select the Samsung option.



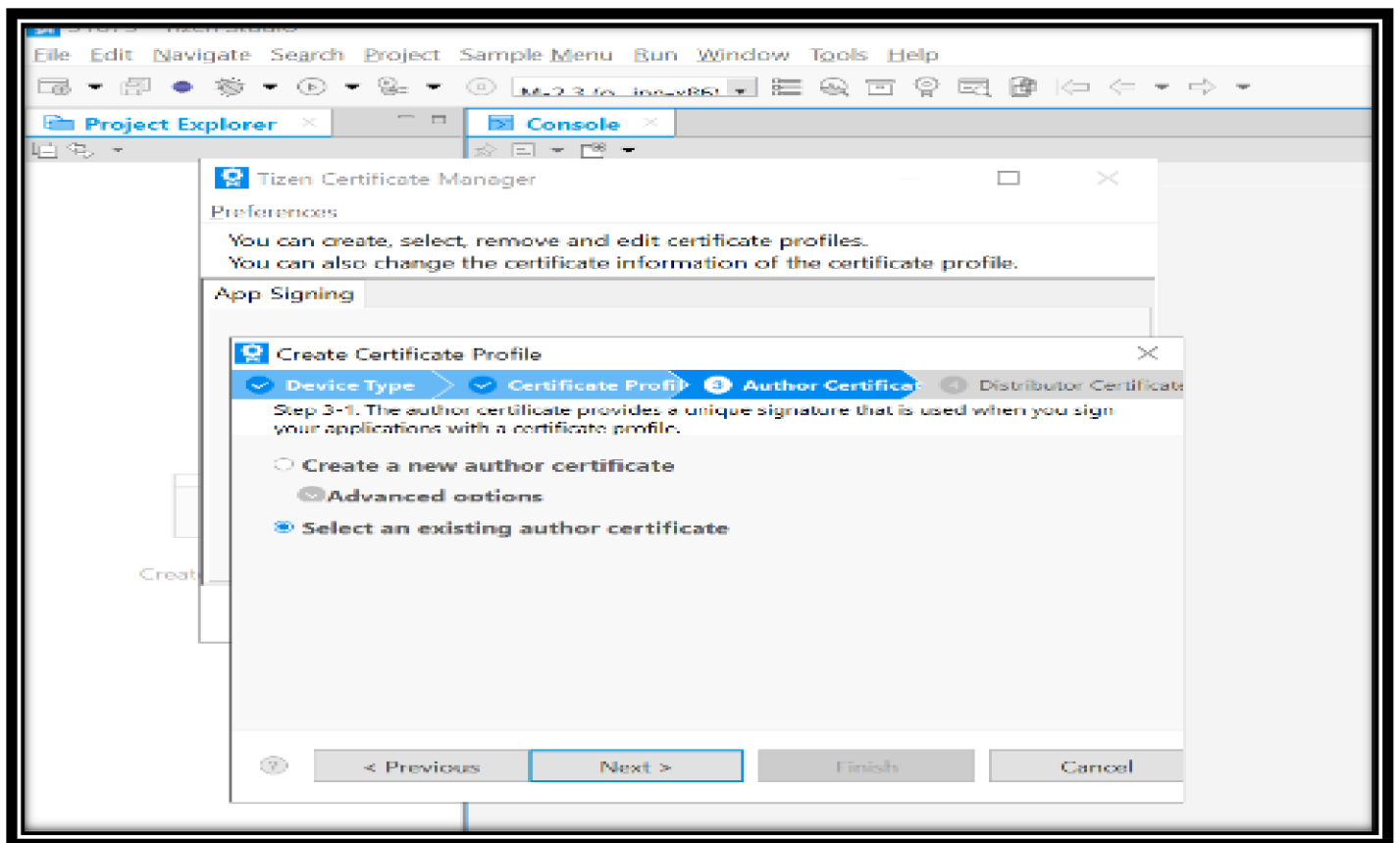
Select the TV option in Step 1 of the Create Certificate Profile window and press the Next button.

Select the Device Type as "TV"

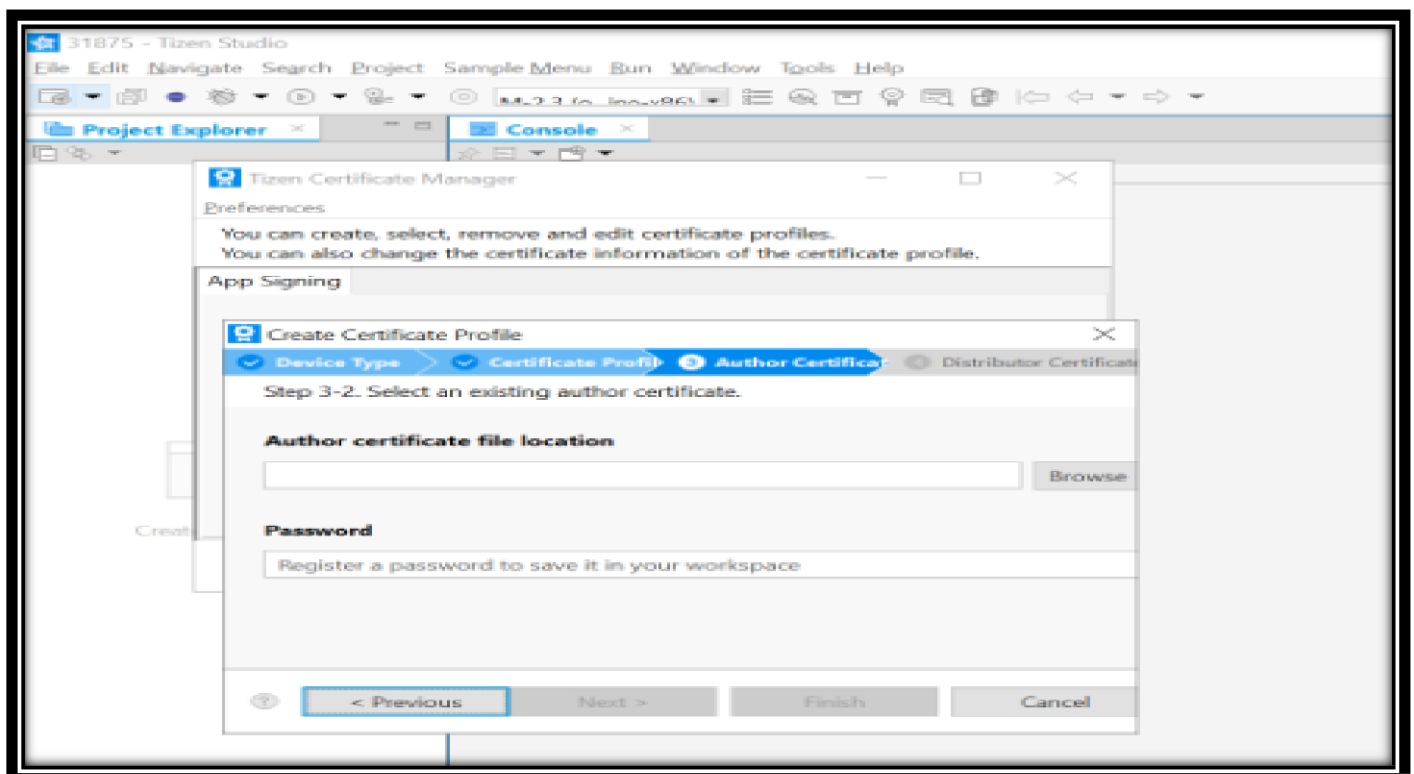


Give the TV name as desired.

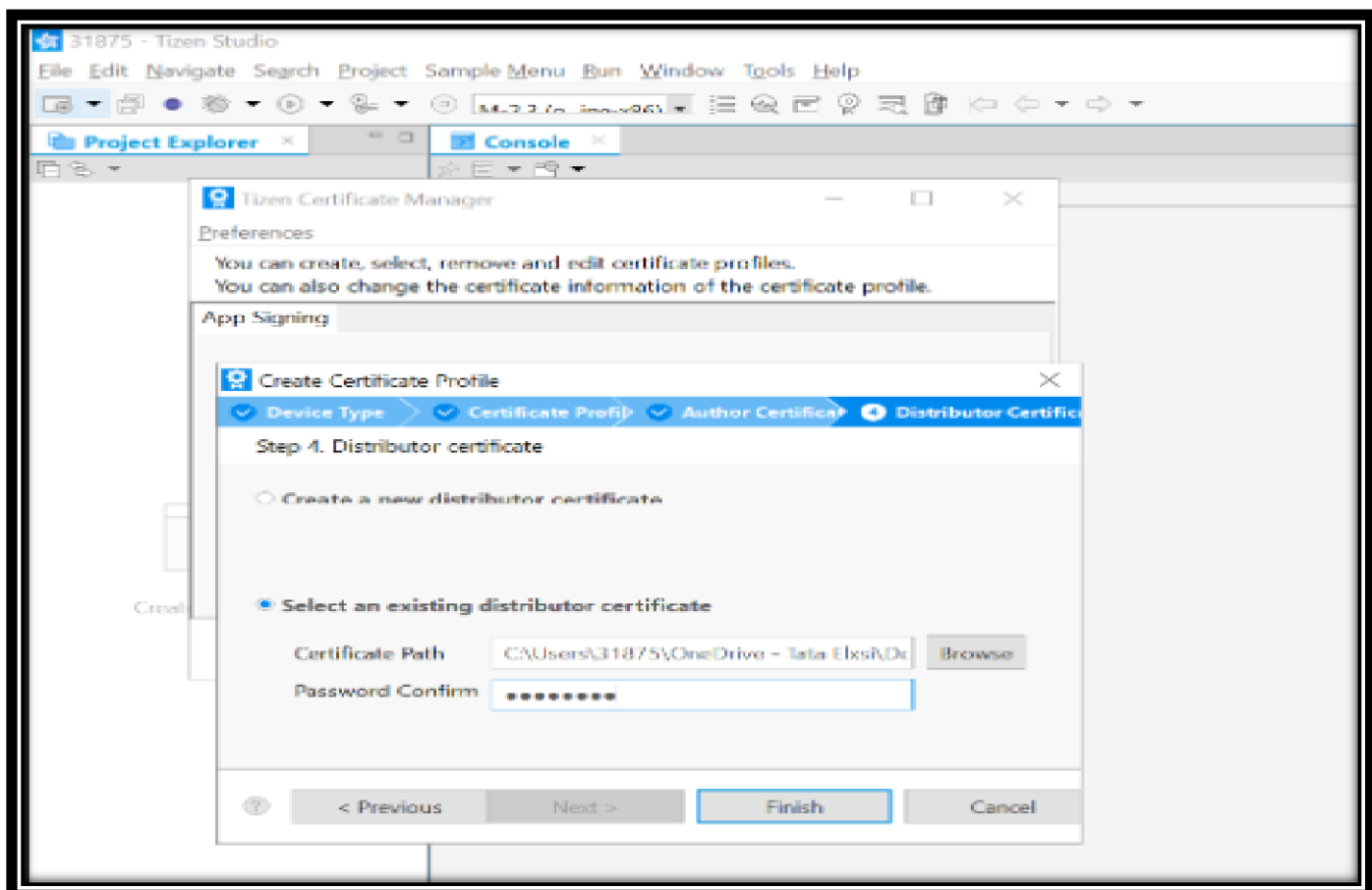
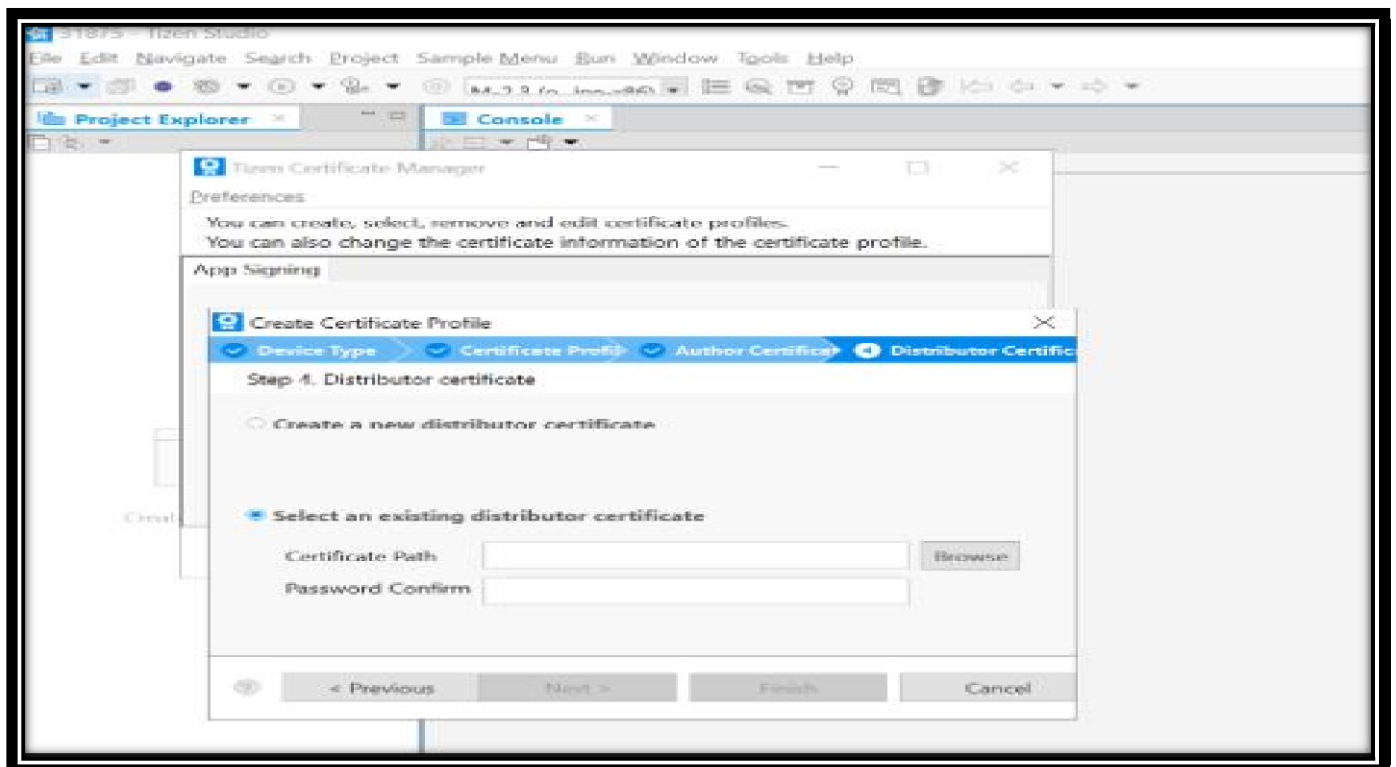
Chose, Select and Existing author certificate and proceed.

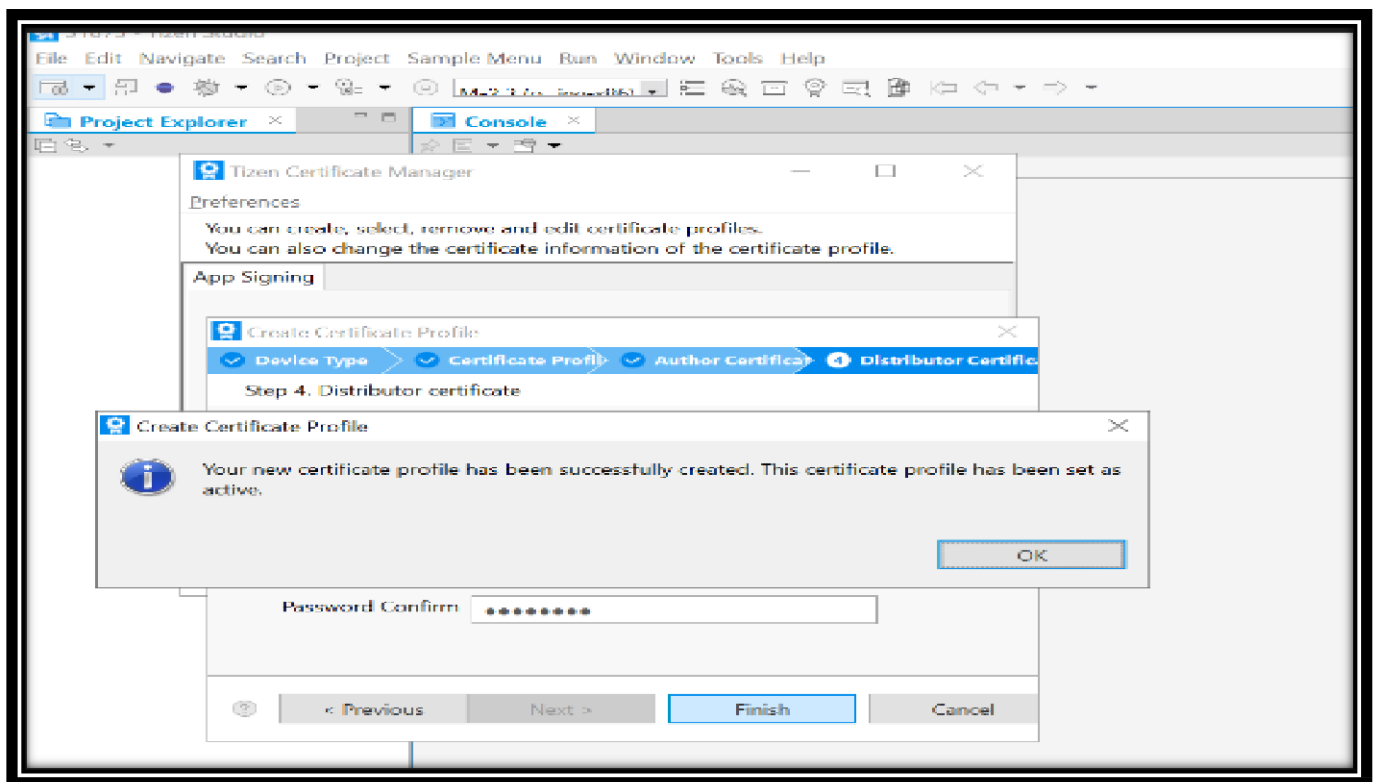


Browse to the certification path and give the password provided by developer.

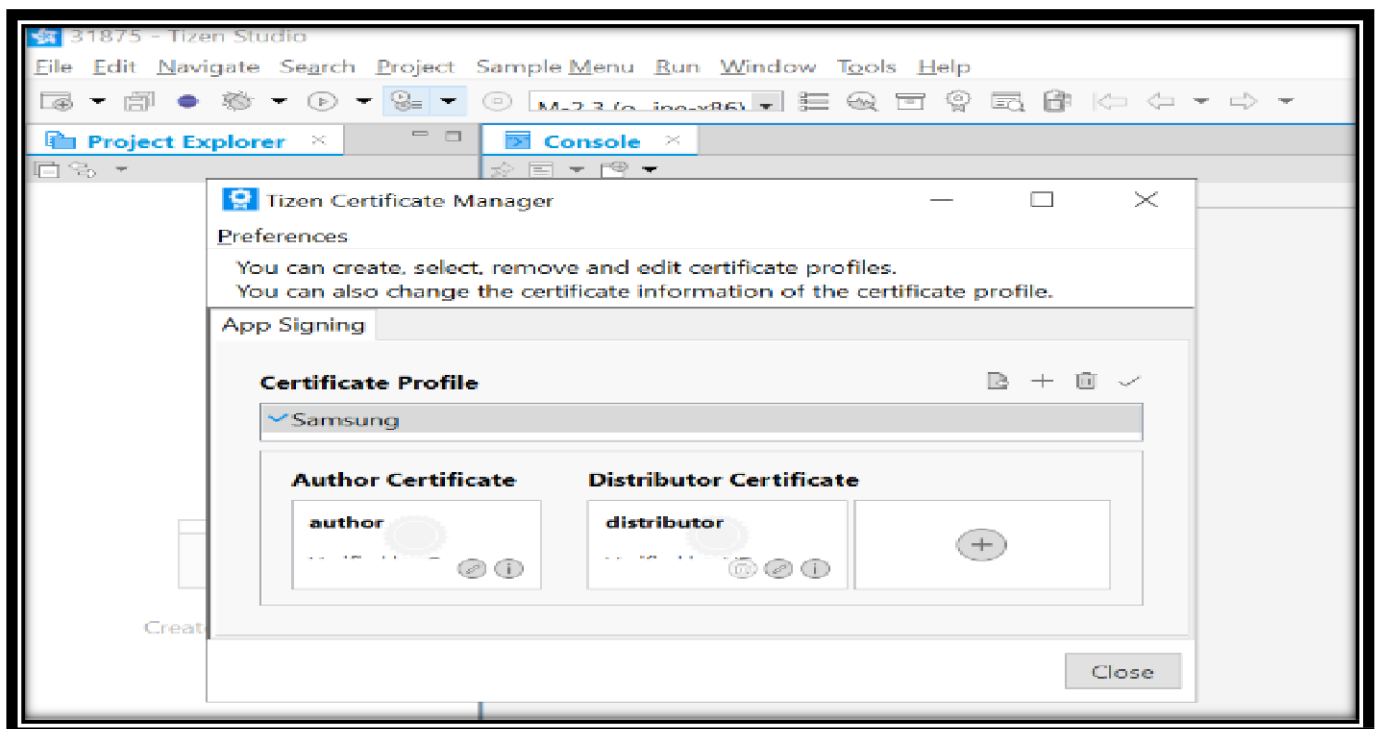


Now add the certificate for the distributor same as the author certificate.





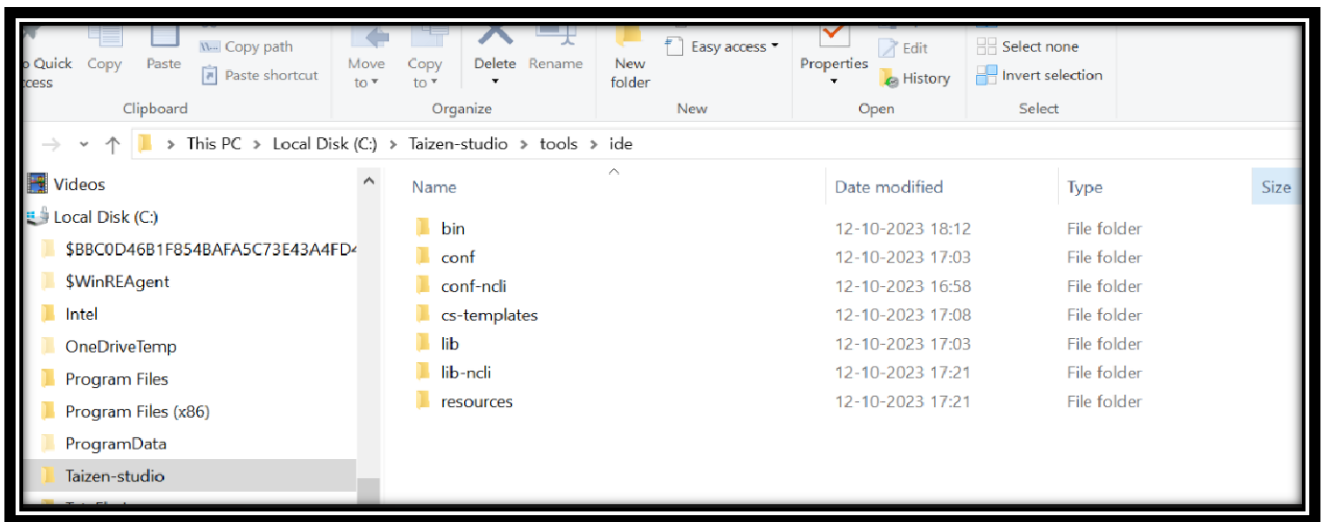
Confirmation screen after successful addition of the certificates.



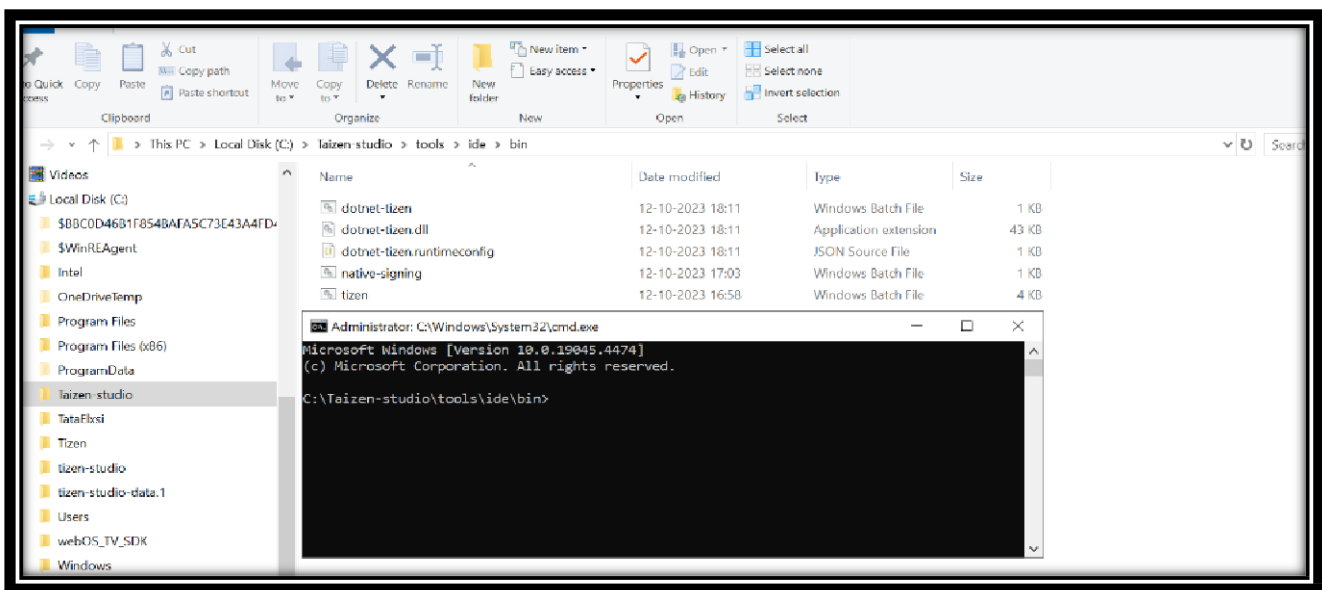
## 5. Installing the .WGT file in the Samsung TV

After all the above steps are done, perform the below step to install the ClaroTV application (.WGT File)

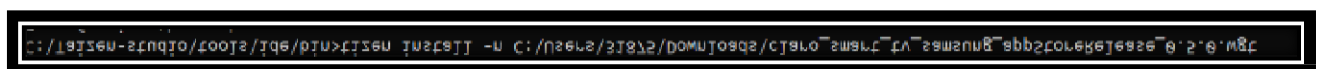
1. Save the .WGT file in your local PC.
2. Go to the Folder where Tizen Studio is installed and open bin folder



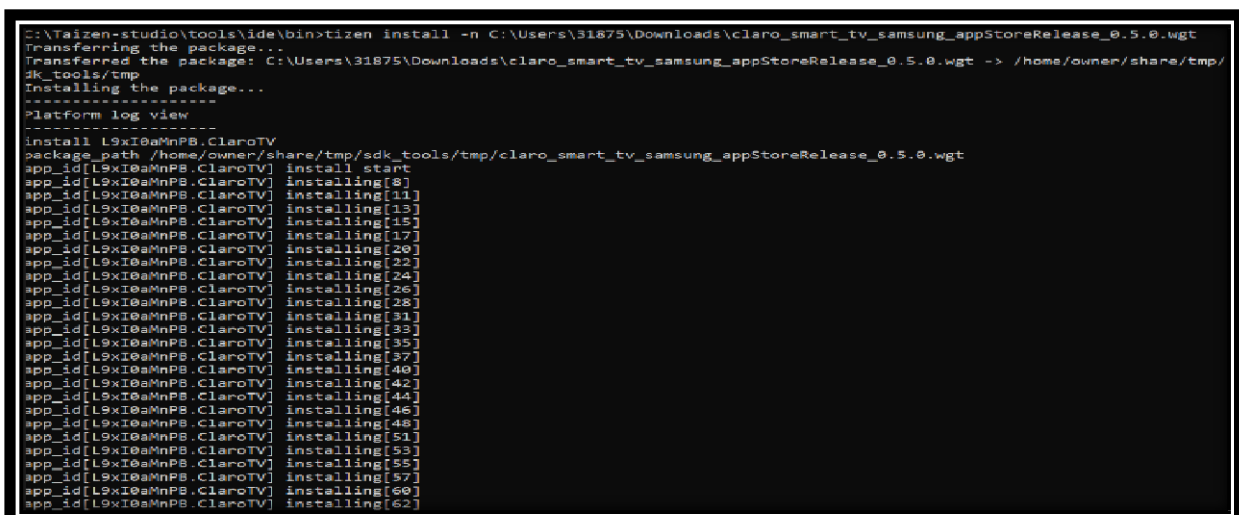
3. Open command prompt in the same location



4. Now run the below command  
tizen install -n <Full path of the .wgt file from the PC>



5. The installation starts and shows below progress



6. Once the installation is successful go to the Samsung TV and check the Apps section.
7. The Claro TV app will be displayed.

