How to Configure Macros to Switch Between Speaker and Presenter Track Mode

Contents

Introduction

This document describes how to enable a button powered by Macros that switches SpeakerTrack and PresenterTrack mode in WebEx Room Devices.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Presition 60 (P60) and Quad Camera basic configuration.
- WebEx Room Devices basic configuration.
- Minimum Application Programming Interface (API) command knowledge.

Components Used

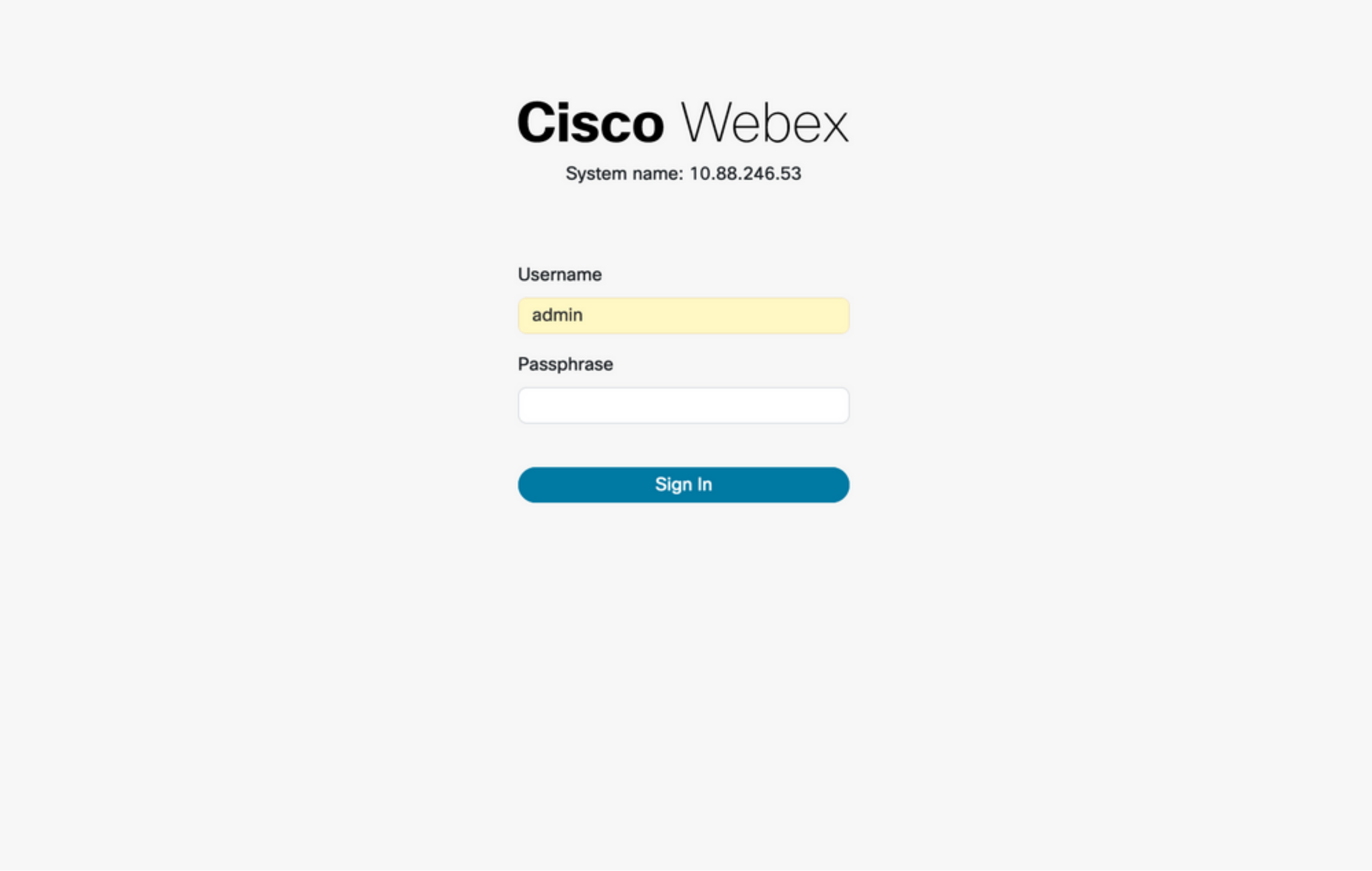
The information in this document is based on these software and hardware versions:

- Collaboration Endpoints (CE) 9.15.
- Any cloud software version.

Configure

Endpoint Configuration

Step 1. Log in to the device Web Interface.



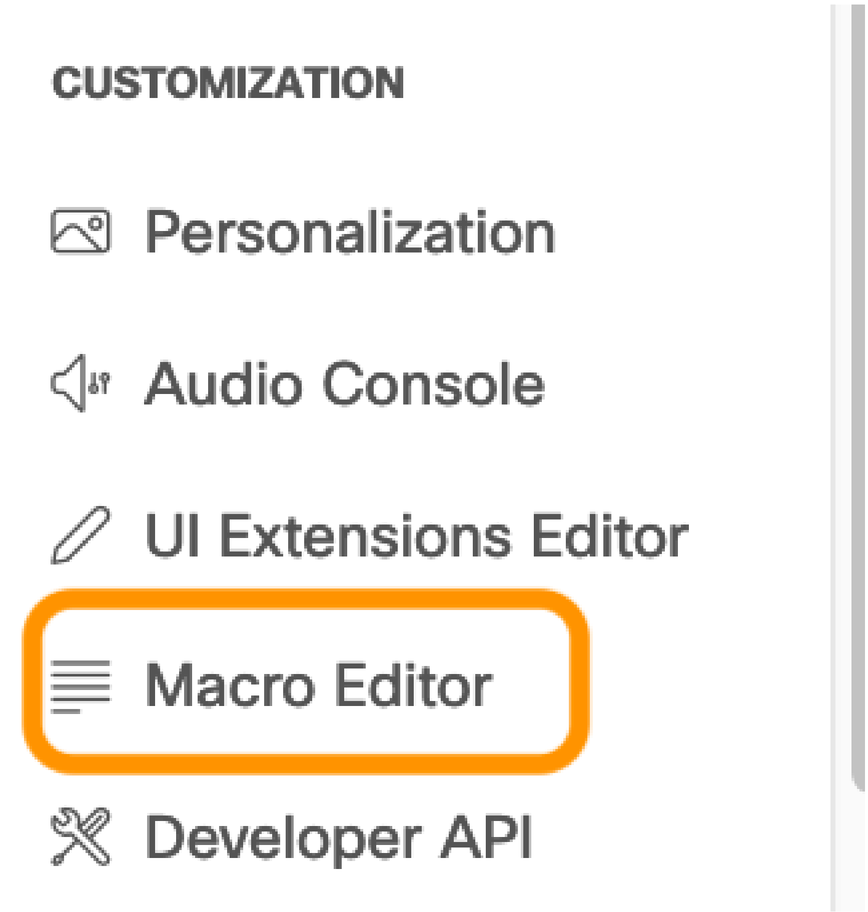
Cisco Webex

System name: 10.88.246.53

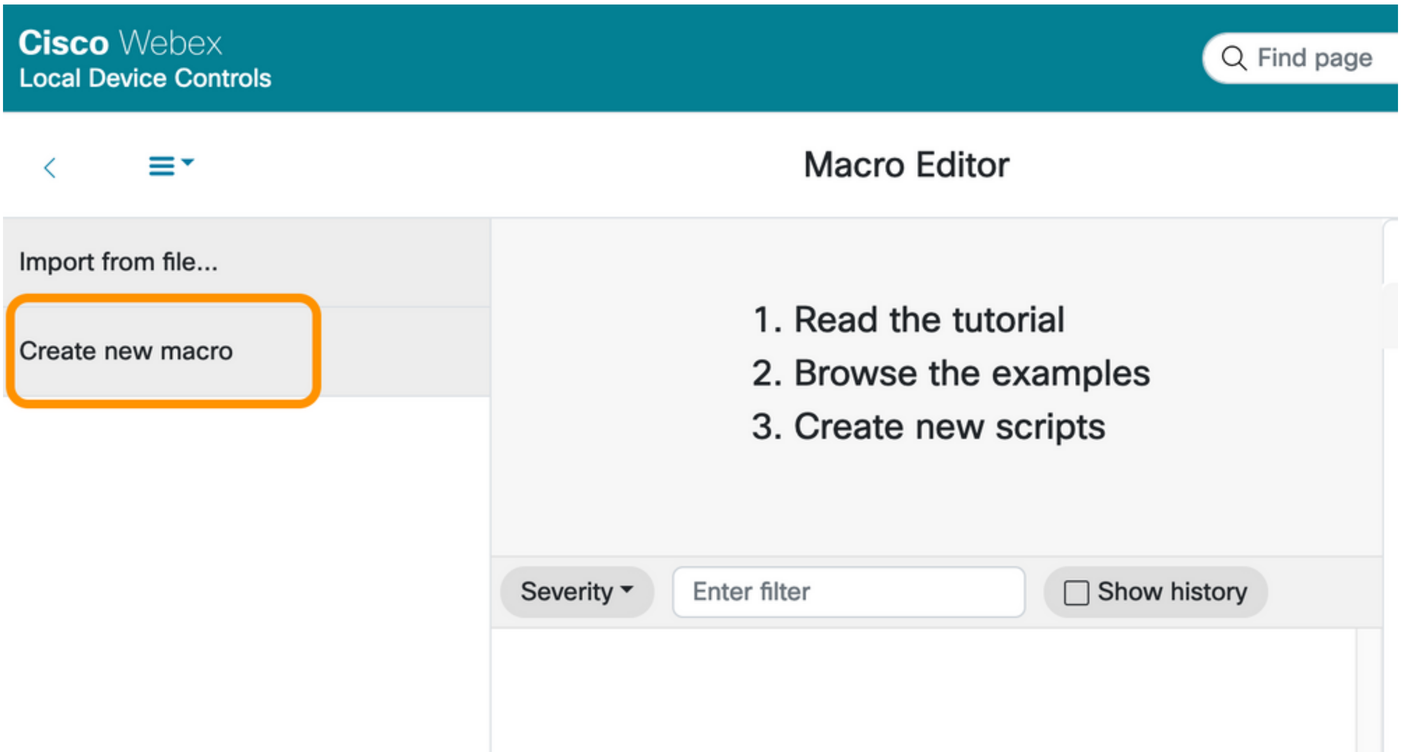
Username: admin

Passphrase:

Step 2. Navigate to **Customization > Macro Editor**.

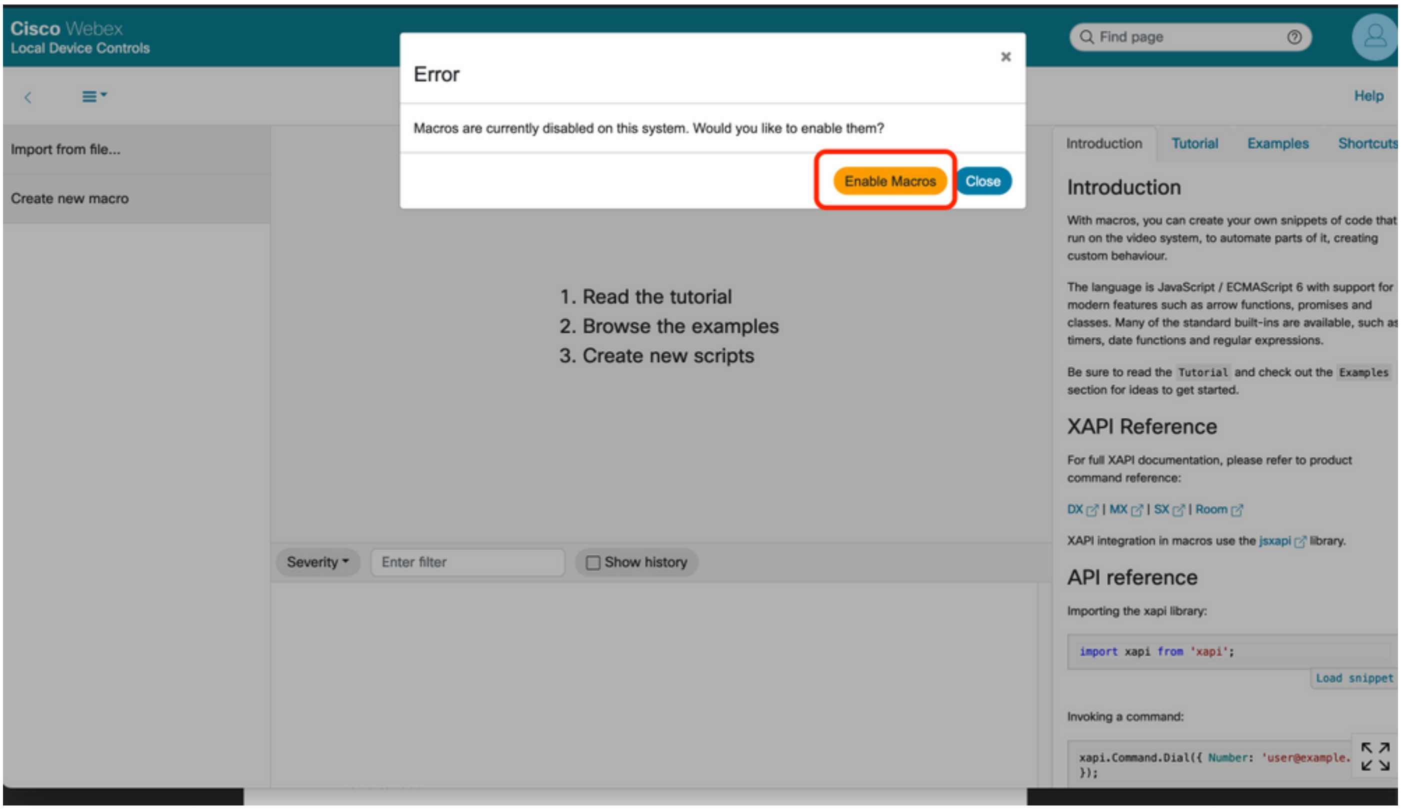


Step 3. In the Macros menu, select **Create new macro**.



1. Read the tutorial
2. Browse the examples
3. Create new scripts

Note: If the error **Macros are currently disabled on this system appears**, select **Enable Macros**.



Macros are currently disabled on this system. Would you like to enable them?

1. Read the tutorial
2. Browse the examples
3. Create new scripts

Introduction

With macros, you can create your own snippets of code that run on the video system, to automate parts of it, creating custom behaviour.

The language is JavaScript / ECMAScript 6 with support for modern features such as arrow functions, promises and classes. Many of the standard built-ins are available, such as timers, date functions and regular expressions.

Be sure to read the `Tutorial` and check out the `Examples` section for ideas to get started.

XAPI Reference

For full XAPI documentation, please refer to product command reference:

DX | MX | SX | Room

XAPI integration in macros use the jsxapi library.

API reference

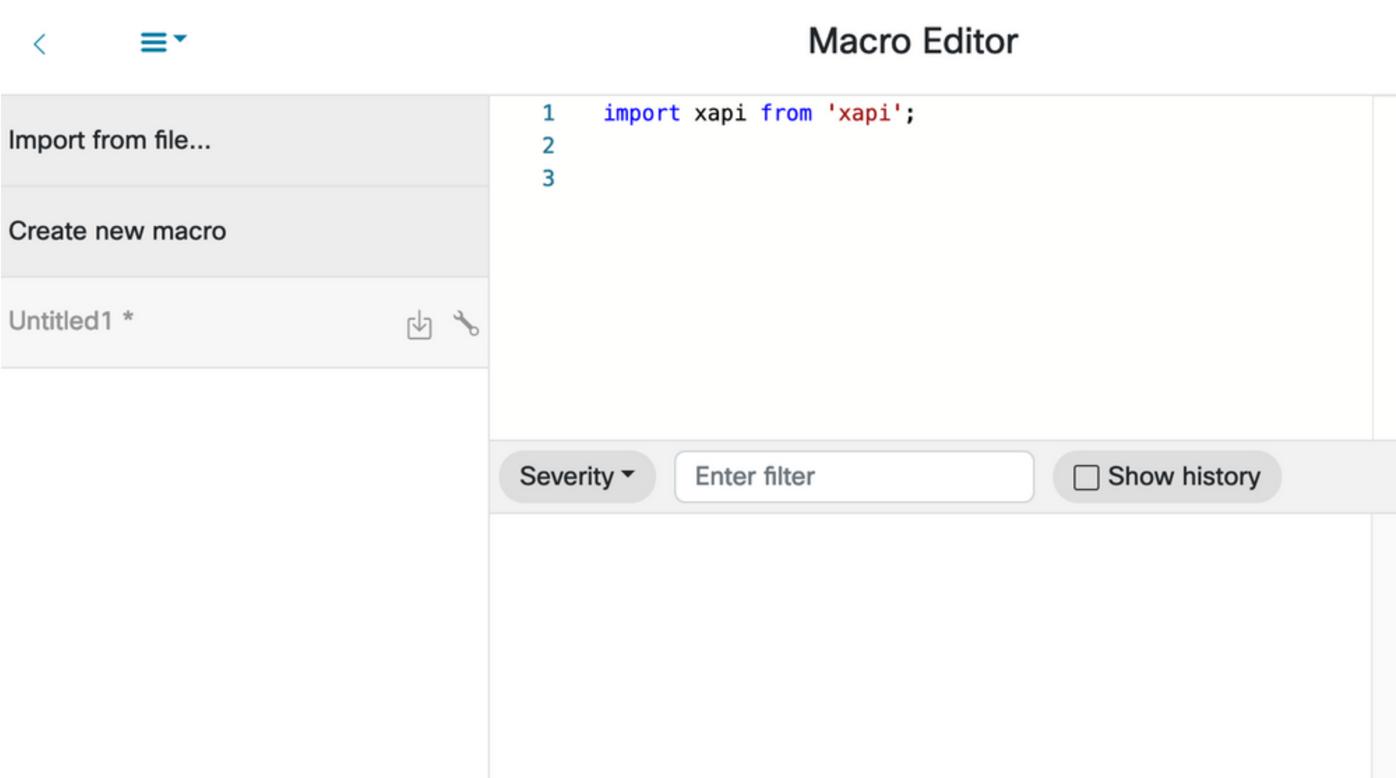
Importing the xapi library:

```
import xapi from 'xapi';
```

Invoking a command:

```
xapi.Command.Dial({ Number: 'user@example.
});
```

Strep 4. When macros are enabled, a new file is created, as shown in the next image:

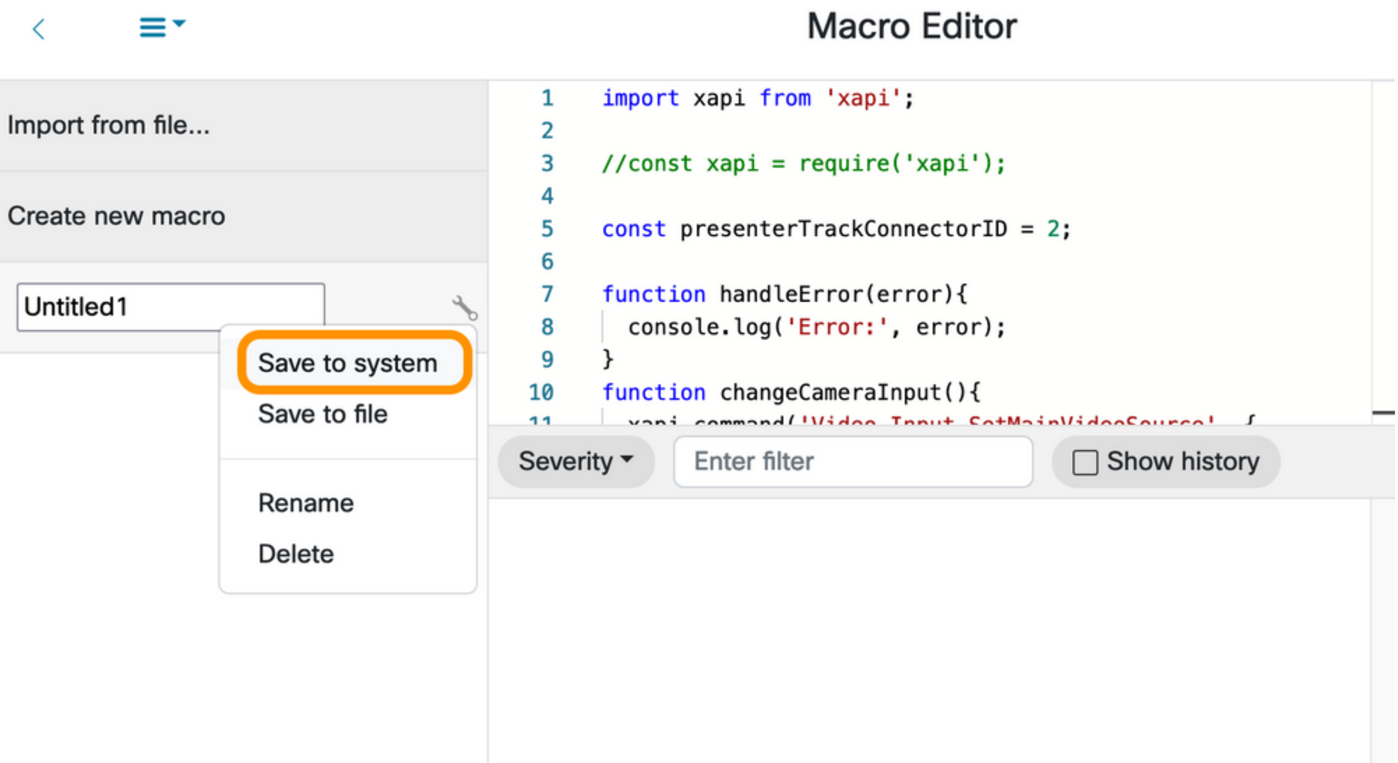


```
import xapi from 'xapi';
```

Step 5. Copy and paste the next code:

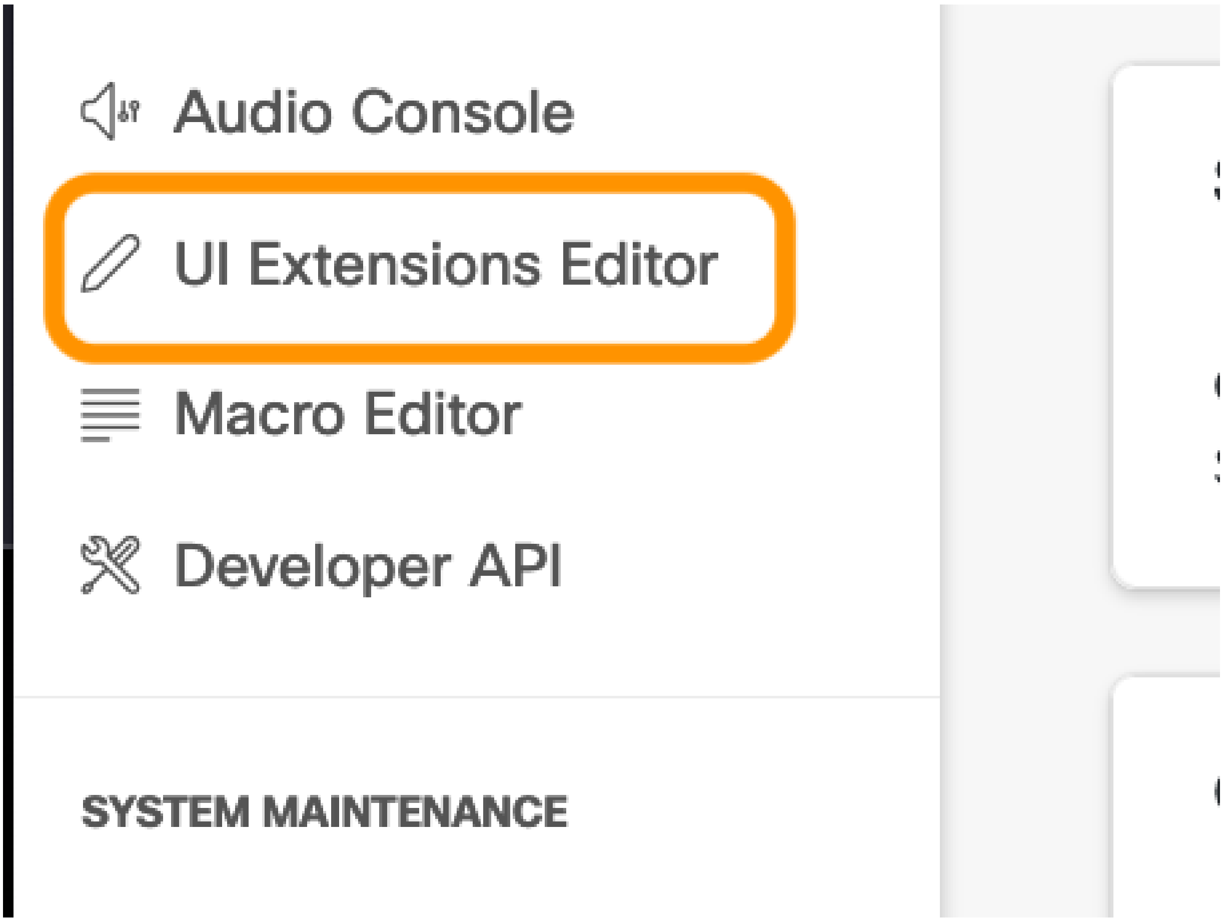
```
import xapi from 'xapi'; const presenterTrackConnectorID = 2; function handleError(error){
console.log('Error:', error); } function changeCameraInput(){ xapi.command('Video Input
SetMainVideoSource', { ConnectorId: presenterTrackConnectorID, }).catch(handleError); } function
enablePresenterTrack(){ xapi.command('Cameras PresenterTrack Set', { Mode: 'Follow',
}).catch(handleError); } function enableSpeakerTrack(){ xapi.command('Cameras SpeakerTrack
Activate').catch(handleError); } function presenterTrackChanger(event){ if(event.PanelId ===
'PresenterMode'){ xapi.status .get('Cameras PresenterTrack Status') .then((value) => {
//console.log(value); if(value === 'Off'){ changeCameraInput(); enablePresenterTrack();
console.log('Presenter Track Enabled'); }else{ enableSpeakerTrack(); console.log('Speaker Track
Enabled'); } }); } } xapi.event.on('UserInterface Extensions Panel
Clicked',presenterTrackChanger);
```

Step 6. Select the engine next to the file name and select **Save to System**.

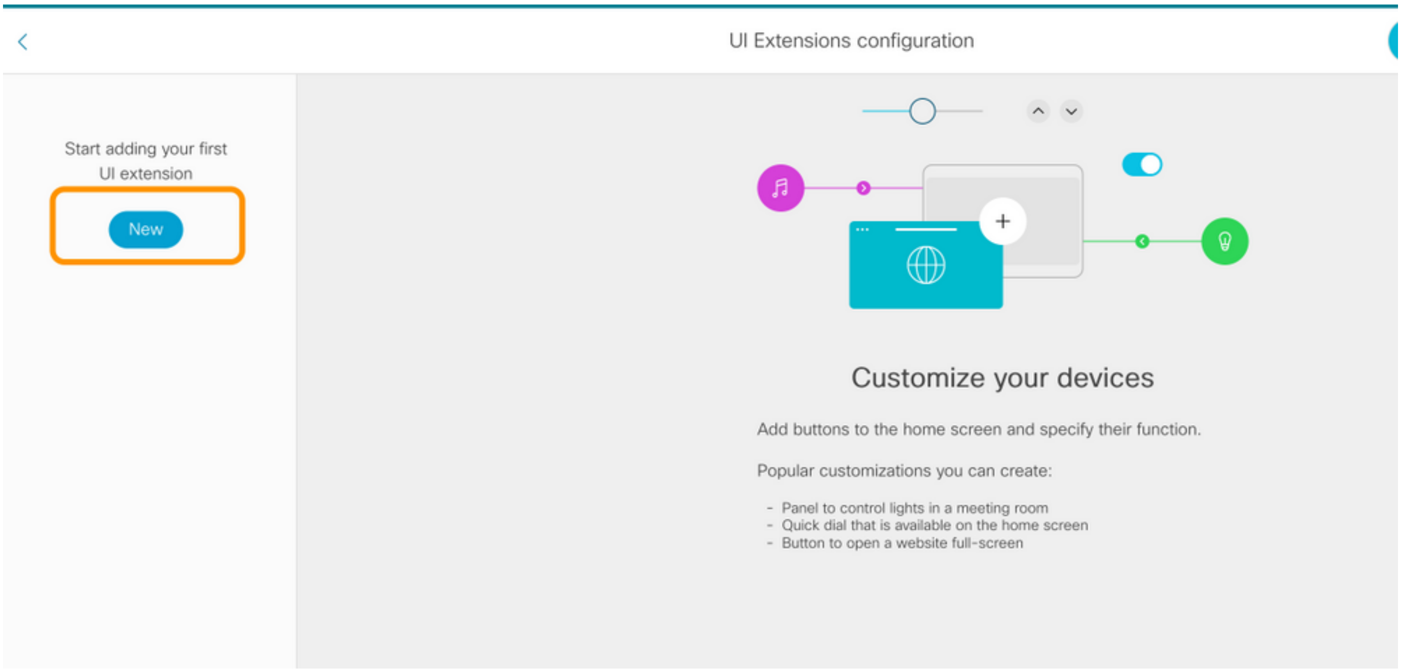


```
import xapi from 'xapi';

//const xapi = require('xapi');

const presenterTrackConnectorID = 2;

function handleError(error){
  console.log('Error:', error);
}
function changeCameraInput(){
  xapi.command('Video Input SetMainVideoSource', {
```

Step 7. Navigate to **Customization > UI Extensions Editor**.



Step 8. In order to create the button, select **New**.



UI Extensions configuration

Start adding your first UI extension

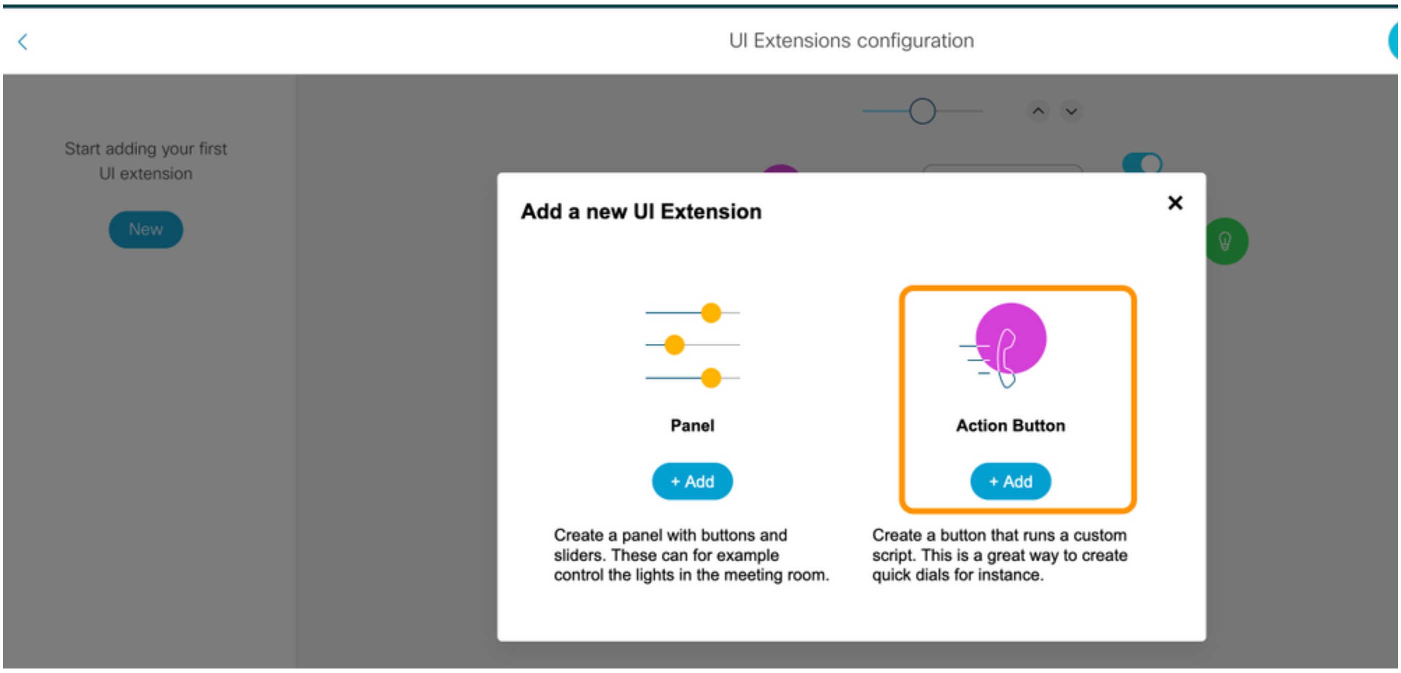
Customize your devices

Add buttons to the home screen and specify their function.

Popular customizations you can create:

- Panel to control lights in a meeting room
- Quick dial that is available on the home screen
- Button to open a website full-screen

Step 9. Select **Add** from the **Action Button** section.



UI Extensions configuration

Add a new UI Extension

Panel

Create a panel with buttons and sliders. These can for example control the lights in the meeting room.

Action Button

Create a button that runs a custom script. This is a great way to create quick dials for instance.

Step 10. Once the button is created you just need to customize, from the Properties section, select the next configuration:

Id	PresenterMode
Name	MODE
Button visibility	Always
Icon	Camera