



# Videowall for TEOS

TEOS Installation & User manual

Document version 1.2

## Description

This guide explains what the add-on Videowall is and how it can be used and configured in TEOS.

# Requirements

- Feature available from Manage for TEOS 2.1
- Signage App for TEOS version 4.30 minimum
- Control App for TEOS version 1.24 minimum
- Please refer to the Release note of the latest Manage for TEOS Version to check the latest Android apps available
- Specific port to open and multicast is required
- **Usage of videowall with BRAVIA multi display feature recommended**
- Compatible devices with TEM-DS10 (Android BRAVIA and Android Player), license is one per device, no need to add a license for the virtual Videowall device.

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## 2. Install of TEOS into the compatible devices

### 2.1 Preparation of BRAVIA

In order to use Videowall for TEOS a BRAVIA, you will have to install Signage Player App for TEOS (from version 4.30). To do so, please follow the manuals:

- Professional BRAVIA - Install TEOS Apps for TEOS Manage - rev1.1.pdf

Documents can be found in <https://bit.ly/sonypsetech> and under TEOS - Corporate Solutions > technical documentations

### 2.2 Preparation of Android Player

In order to use Videowall for TEOS into a Player, you will have to install both Signage Player App for TEOS, Control App for TEOS (please refer to the latest Release Note to check what are the latest apps compatible with latest Manage for TEOS software. To do so, please follow the manuals:

- Professional Player for TEOS - Installation and user Manual rev1.0.pdf

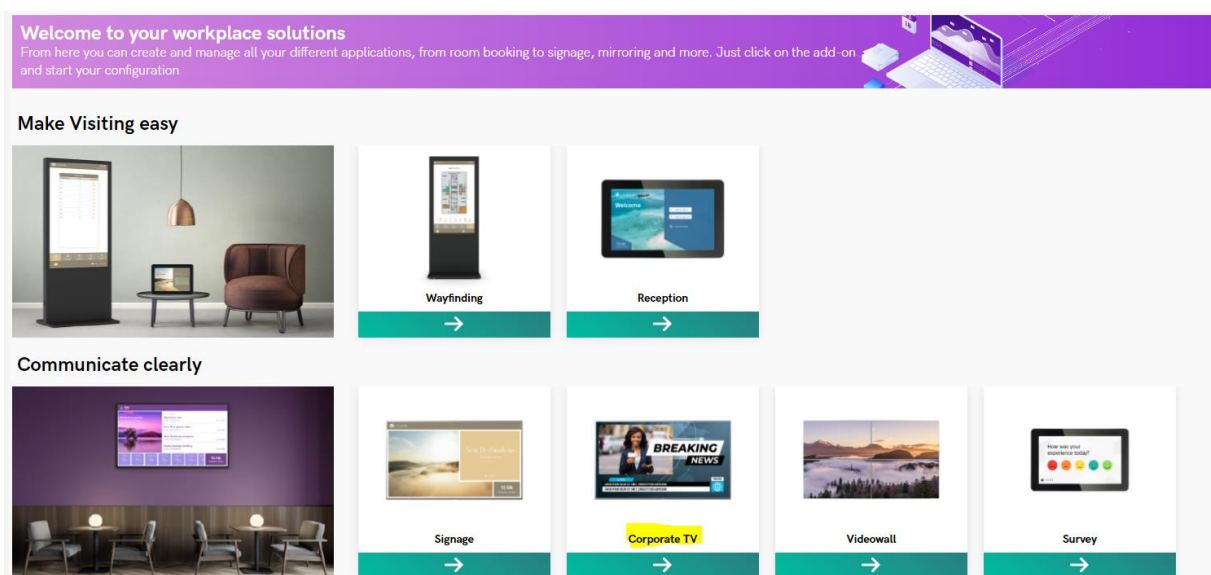
Documents can be found in <https://bit.ly/sonypsetech> and under TEOS - Corporate Solutions > technical documentations

## 3. Videowall configuration

This section will explain how to configure the platform and the device to show Signage content under a videowall environment using BRAVIA or Android Players TEP-X96.

### 3.1 Creating a Videowall solution

Open your Manage for TEOS interface and go to Workplace Solutions. Open “Videowall” and click on “Add new Videowall”.



Define a name for your Videowall solution and fill the following parts:

- Number of displays in horizontal
- Number of displays in vertical

- Display size in mm width and height
- When this information is added, press save

Workplace Solutions / Videowall / New solution

#### GENERAL SETTINGS

Name	Videowall Reception Entrance A
Divide content to all displays	<input checked="" type="checkbox"/>
Rotation (°)	0

#### VIDEOWALL LAYOUT

Please save first before adding devices

#### NUMBER OF DISPLAYS

Horizontal	2
Vertical	2

#### DISPLAY SIZE IN MM

Width	1295
Height	595

#### BEZEL SIZE IN MM(FACULTATIVE)

Bezel top	1.8
Bezel right	1.8
Bezel bottom	1.8
Bezel left	1.8

SAVE

Two additional option are available in Videowall solution:

- Divide content to all displays, when unchecking this option, each device will take the Signage content independently and show it in synchronization
- Rotation will allow you to select a specific degree number to orientate the content. Orientation will be the same for all the device at the same time.

The devices in a videowall determine among each-other 1 master display. All other displays will communicate with this master to make sure the content is synchronized. The sync communication is done through multicast on IP: 224.0.0.3 on UDP port 8889.

After saving, go back into the newly created Videowall solution and add the devices into your solution. In the right side, the videowall layout will appear. Click on each part in order to add the device. Layout needs to be viewed from the front and not from the back.

The screenshot shows the configuration interface with the following details:

- GENERAL SETTINGS:** Name: Videowall Reception Entrance A; Divide content to all displays: ☒; Rotation (°): 0.
- NUMBER OF DISPLAYS:** Horizontal: 2; Vertical: 2.
- VIDEOWALL LAYOUT:** Four placeholder boxes with the text "<No device set, click to add>".
- Add Device Dialog:** A modal window with a title bar "Add Device" and a close button "X". It contains a "Device" label, a dropdown menu, and "Save" and "Cancel" buttons.

When adding all the devices, press save and go to device administration. The videowall solution will be shown as a virtual device linked with sub devices

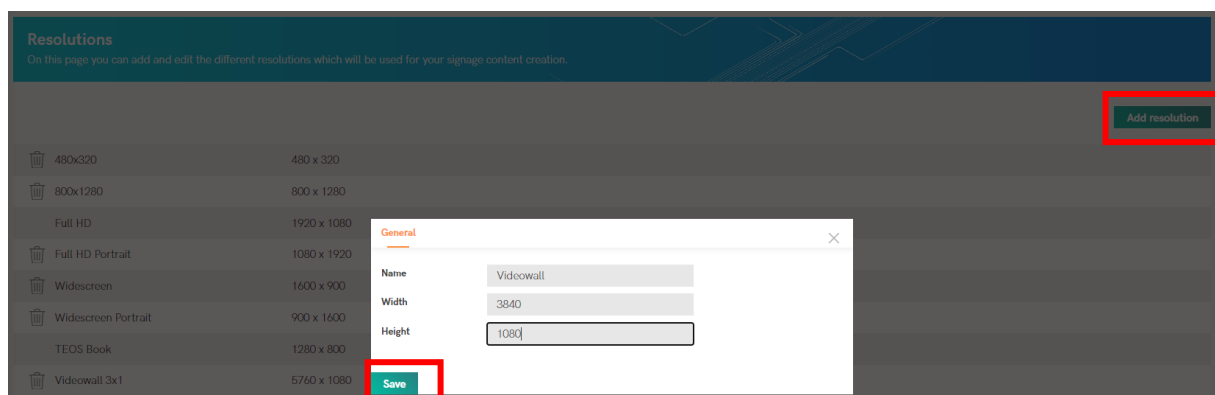
				Backline	Other	1.1.1.1	On		Presentation	Videowall	Signage	Building John
Linked sub device: Bravia achter FDU								On		Presentation		
				Bravia Front Desk	Sony FW-43BZ35F	192.168.0.189	On		Presentation	Display	Signage	Third Floor

You will be able to use the virtual remote to see each part of the videowall, you can also assign the videowall into a device group and you will be able to define a default presentation to your videowall.

### 3.2 Adding content to the videowall solution

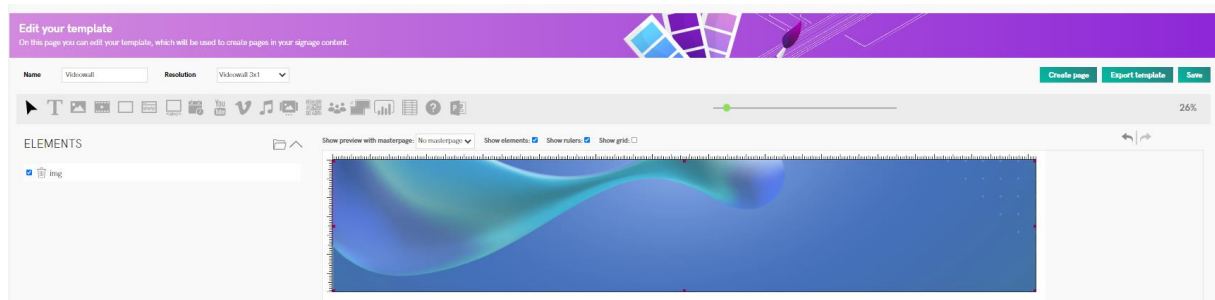
#### Create a specific resolution for your videowall solution

Open your Manage for TEOS interface and go to Content Creation and resolution. Under “Resolutions”, click “Add Resolution”. Define a name and put the number of pixels in width and height.



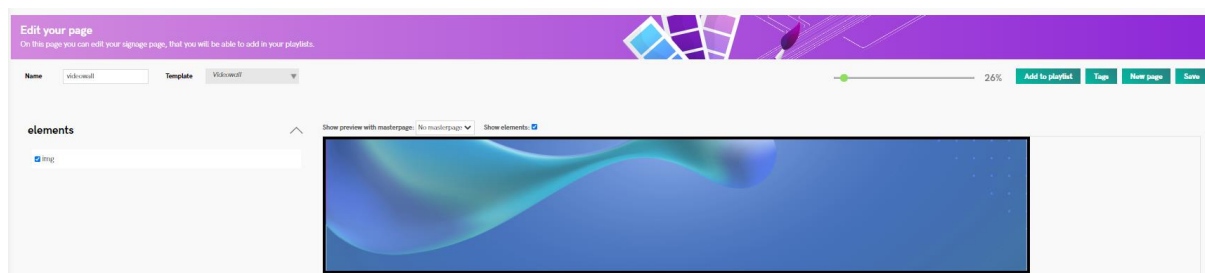
#### Signage mode Complete

Open your Manage for TEOS interface and go to Content Creation, create a new template or use an existing template based on your resolution. Create your content in this section.

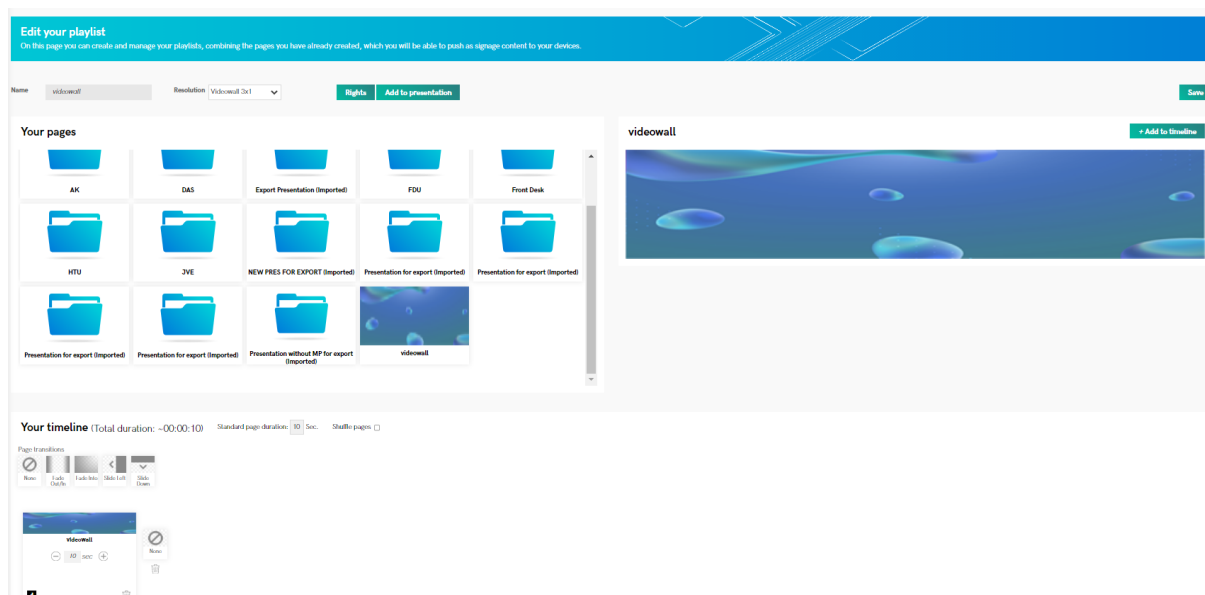


When uploading a video, the maximum bitrate compatible with the devices is 10Mbps. The resolution for the video per device is 1920x1080 at 30fps. All the elements for signage are available for videowall usage.

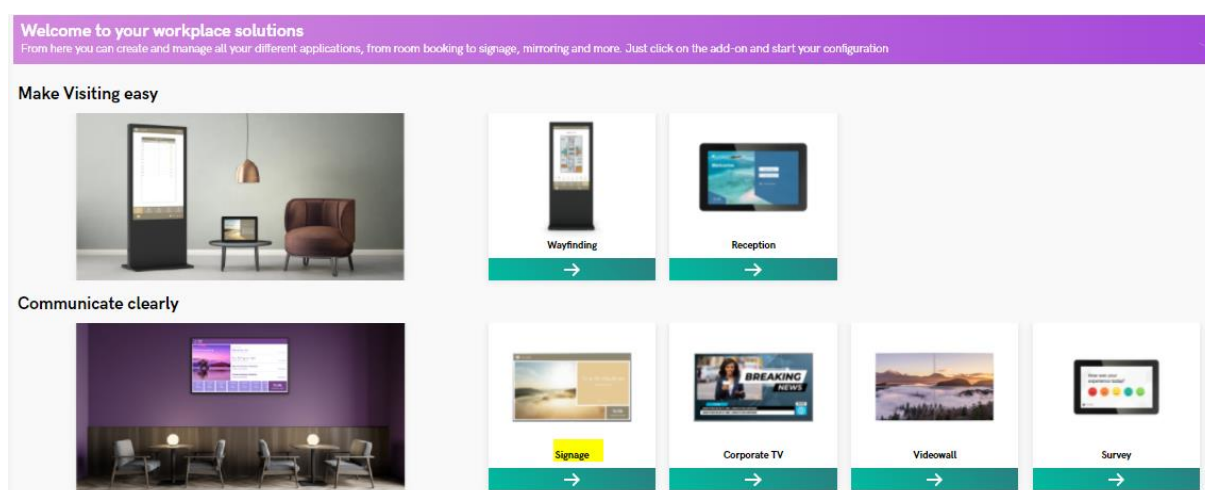
Define a name for your new page based on the template.



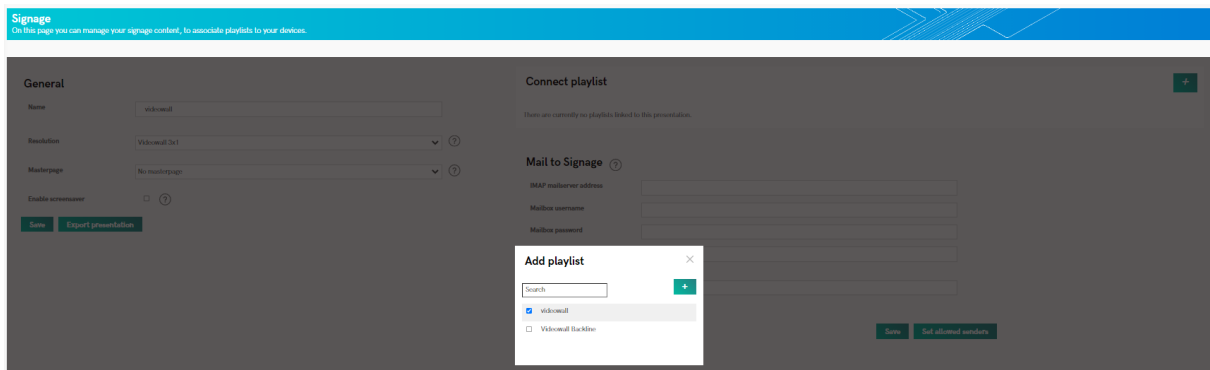
Go to Playlist and create a new playlist (or add the created page into your playlist). Search for your page created and add it to the timeline by pressing the “+” button in the page. The page will be added with a default duration. Make sure you select the page duration you want to show your stream.



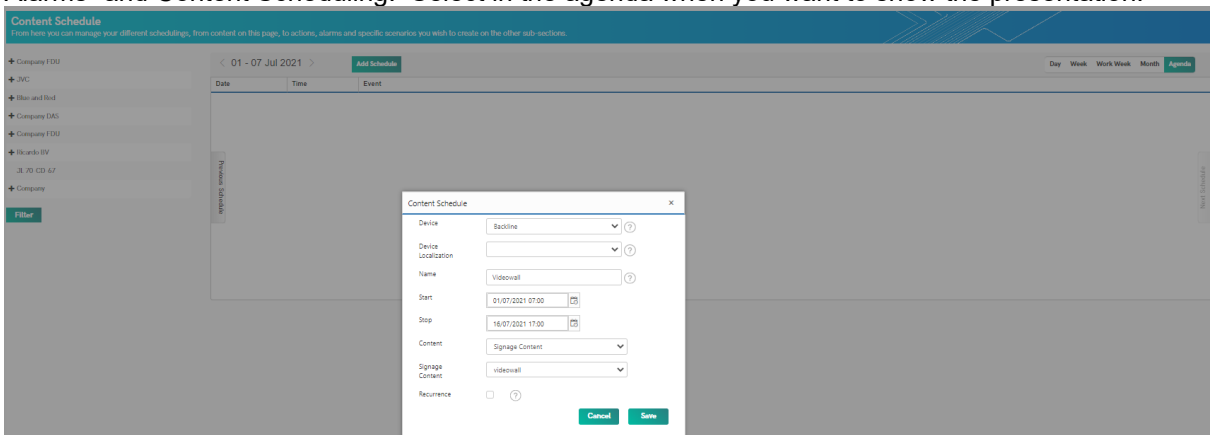
Go to workplace solutions and select “Signage”.



Create a new Presentation or take an existing presentation, select the resolution of your Playlist and press “save”. Add the Playlist by pressing the “+” button and select your playlist. Click on “+”, the playlist will be assigned to the presentation. Press Save.



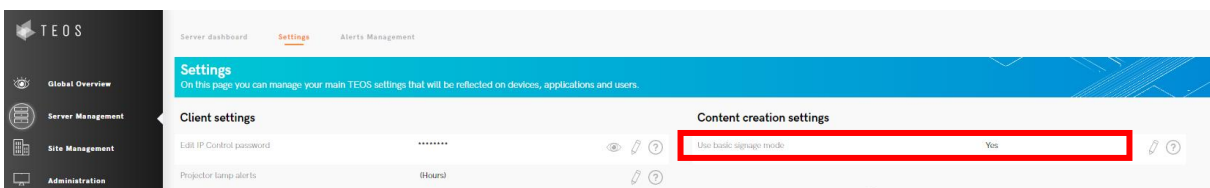
To finish, you can affect the presentation to your device or group of devices under “Schedules & Alarms” and Content Scheduling. Select in the agenda when you want to show the presentation:



The presentation will be shown by the device at the end of the loop of the device, or you can push the content manually in Administration and pressing the “play” button on the device line.

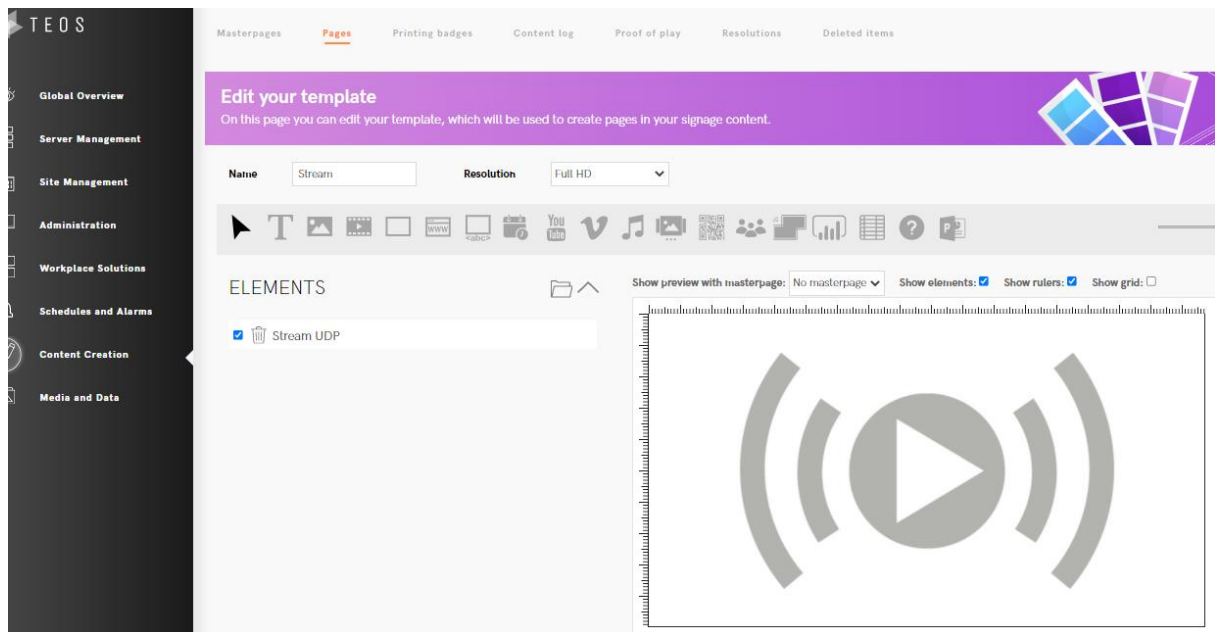
### Basic Signage mode

When using the Basic Signage mode, the number of steps is less than in complete mode because there is no need for the user to manage different user rights and different teams for content creation, edition, management etc.

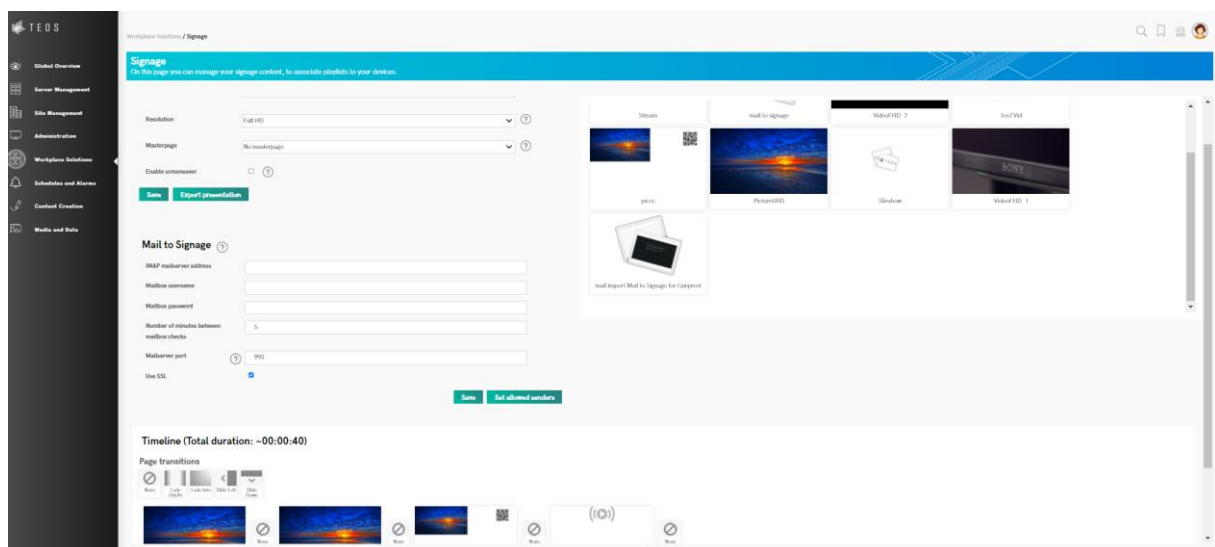


Template and pages merge into one tab “pages” where the template configuration can be done.

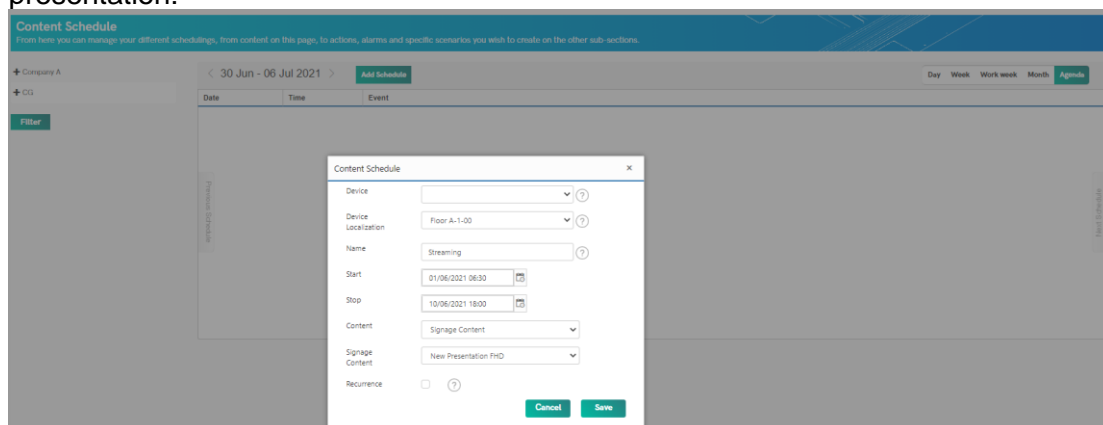




Playlist and Signage merge, the playlist can be filled directly from signage tab.

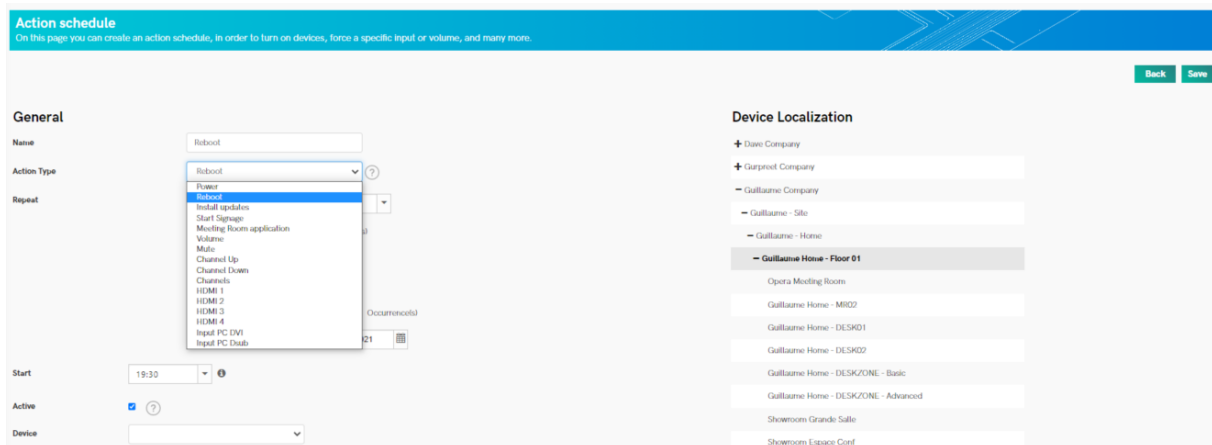


For the content assignment to the devices, the process is the same under Schedules & Alarms” and Content Scheduling. Select in the agenda when you want to show the presentation:



### 3.3 Action management in Videowall for TEOS solution

From Manage for TEOS you can schedule your commands to have an automatic control of your devices. For that go to Schedules & Alarms and go to Actions schedules. You will be able to add power, reboot, app updates, start signage, start meeting, mute, manage volume, channel etc. This schedules commands can be addressed to a device or a group of devices. Under power scheduling, a forced schedule will make sure that if the device is powered ON, TEOS will power it OFF if the device must be off based on scheduling.



For Android Player, only the reboot is possible. If a third-party device is connected to the device, this device needs to be integrated into TEOS (please check the third-party compatible document) in order to manage the power ON/OFF under scheduling. Your devices must be under a device group to be able to send an action schedule.

# SONY



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