



sofiadigital

Powering Smart Screens

**Webinar: Easy HbbTV App Creation –
Sofia Backstage® Author**

June 10th 2020

Webinar Team @ Sofia Digital



Juho Mäyränpää
Sales Director
Webinar host / Moderator

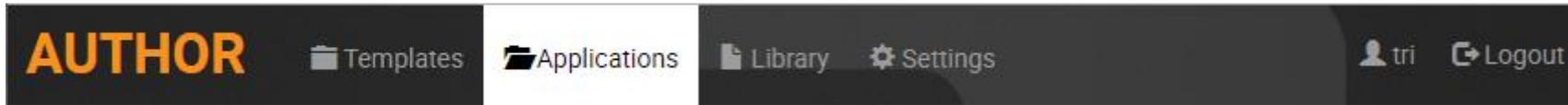
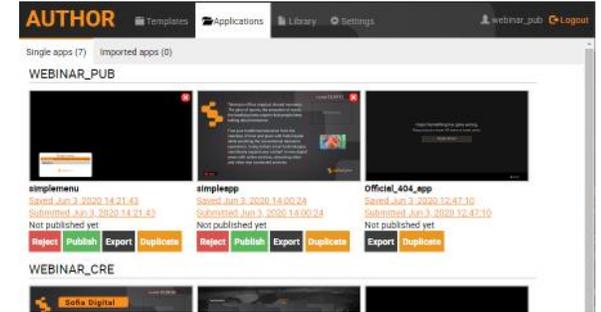


Tommi Riikonen
Product Line Manager
Speaker / panelist

Main Features

- Rapid authoring-publishing process.
- No coding skills needed.
- Workflow support.
- Templates tested with numerous HbbTV TVs. Sofia's receiver zoo contains almost 80 TVs from different brands and with different HbbTV versions supported.
- Real-time preview with the possibility to open the application on full-screen.
- Drag & drop editing in part of the templates.
- Support for custom.css allowing even more flexibility.
- DVB-DASH transcoding tool.
- Seamless integration with Sofia Digital HbbTV Platform.
- Support for Google Analytics.
- Requires a web browser with HbbTV add-on.

Author main menu bar



- **Templates:** Available templates to create new applications.
- **Applications:** Saved/submitted/published applications.
- **Library:** Upload and manage images and videos. Import HbbTV applications.
- **Settings:** User specific settings, publishing location, GA id, etc.

Templates/Applications

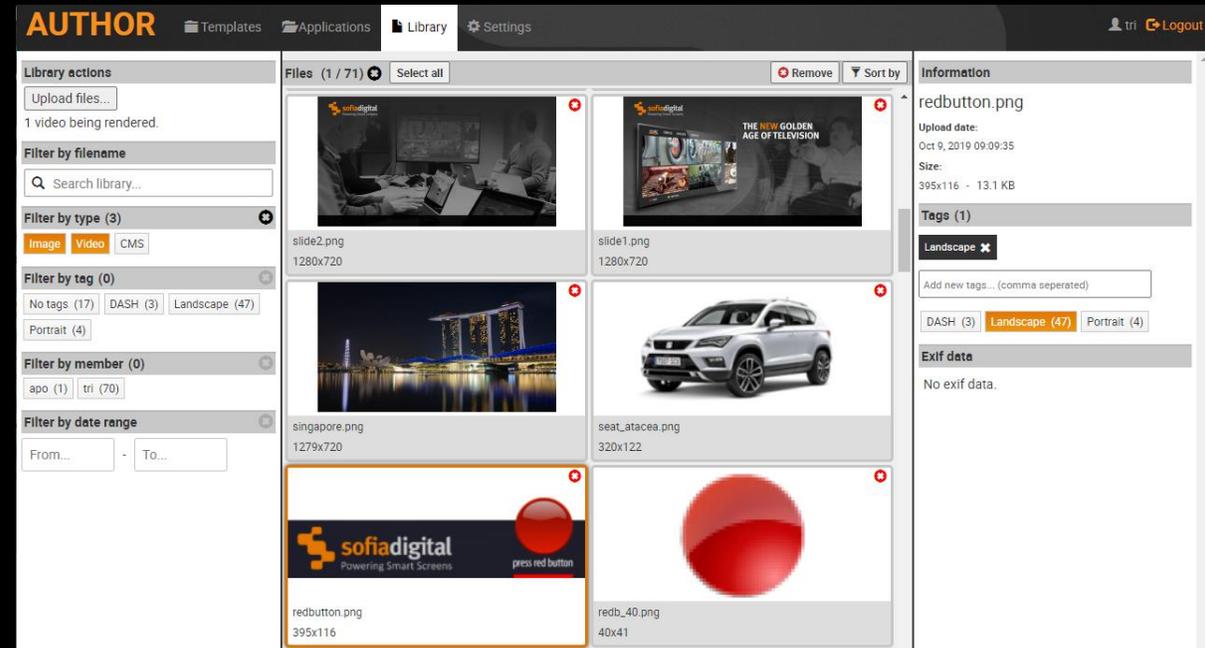
- List of available templates or applications as thumbnails.
- Click thumbnail to edit the application.
- Applications view presents links to different states of the application:
 - Editable version
 - Submitted version
 - Published version

The screenshot displays the 'AUTHOR' application management interface. The top navigation bar includes 'AUTHOR', 'Templates', 'Applications', 'Library', 'Settings', and a user profile 'webinar_pub' with a 'Logout' button. Below the navigation, there are tabs for 'Single apps (7)' and 'Imported apps (0)'. The main content area is divided into two sections: 'WEBINAR_PUB' and 'WEBINAR_CRE'. Each section contains a grid of application thumbnails. Each thumbnail shows a preview of the application and is accompanied by its name, save and submission timestamps, and a set of action buttons (Reject, Publish, Export, Duplicate). The 'WEBINAR_PUB' section includes 'simplemenu', 'simpleapp', and 'Official_404_app'. The 'WEBINAR_CRE' section includes 'customcssapp', 'themenu', and 'redbutton'.

Application Name	Save Time	Submitted Time	Status	Actions
simplemenu	Jun 3, 2020 14:21:43	Jun 3, 2020 14:21:43	Not published yet	Reject, Publish, Export, Duplicate
simpleapp	Jun 3, 2020 14:00:24	Jun 3, 2020 14:00:24	Not published yet	Reject, Publish, Export, Duplicate
Official_404_app	Jun 3, 2020 12:47:10	Jun 3, 2020 12:47:10	Not published yet	Export, Duplicate
customcssapp	Jun 3, 2020 15:39:10	Jun 3, 2020 15:37:24	Not published yet	Submit, Export, Duplicate
themenu	Jun 3, 2020 14:25:23	Jun 3, 2020 14:25:23	Not published yet	Reject, Publish, Export, Duplicate
redbutton	Jun 3, 2020 14:18:20	Jun 3, 2020 14:18:20	Not published yet	Reject, Publish, Export, Duplicate

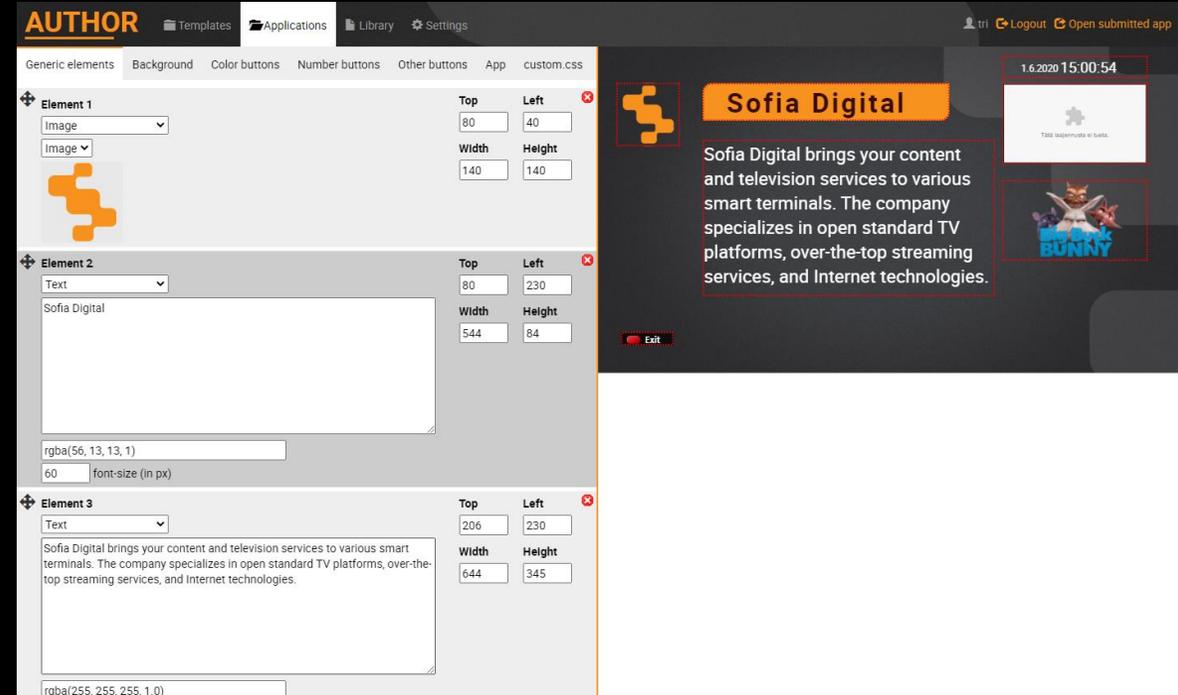
Library

- Library view contains three columns:
 - Upload (new content) and filter content
 - Show (filtered) content
 - Details about selected content item with the possibility to attach tags
- Content can be images or videos
- Possibility to transcode uploaded video to DVB-DASH compliant presentation.
- Team members share the same library content.



Application editing view

- Authoring view contains two main panels:
 - Editor on the left
 - Real-time preview on the right
- Editor panel content depends on the template. Normally there are
 - Elements
 - Background
 - Remote control button mappings
 - custom.css
 - App details
- Preview allows to drag & drop the elements with some templates. Exact values are set in the editor panel.



Most used application templates



Red Button

- Red button notification
- Possibility to program also other RC buttons
- Launches application



Two row launcher

- VOD Portal
- Application launcher
- Integrated video player
- RC button mapping



Matrix launcher

- VOD Portal
- Application launcher
- Integrated video player
- RC button mapping



Simple dynamic

- Allows creation of any simple content page
- RC button mapping



Simple menu

- Vertical menu for e.g. for opening simple dynamic content pages

User roles

- User has always a specific role in Author. Role defines the rights of the user.
- Users belong to a team. Team has one Publisher and 0 or more Creators.

Role: Creator

- Create new application from template
- Edit existing application
- Create application group
- Submit application to acceptance / laboratory testing

Role: Publisher

- Creator tasks +
- Approve application on testing environment. Publish it to the operative system.
- Reject application on laboratory testing environment. Back to editing.

Publishing workflow

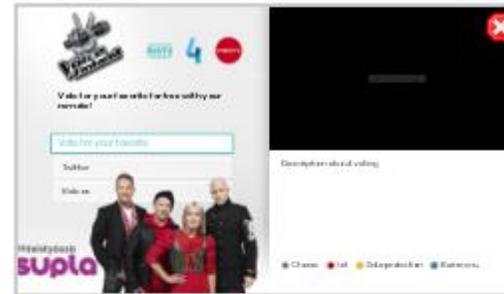
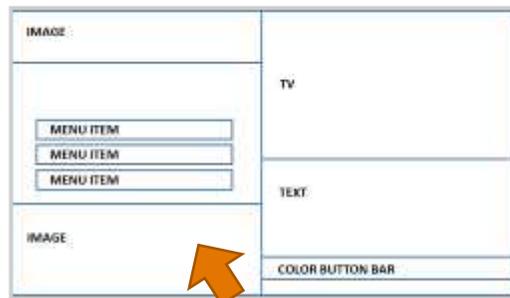
- Users belong to a team.
- Team may contain several content creators, but there can only be one user with publisher rights in the team.



Application life cycle example

AUTHOR  Templates

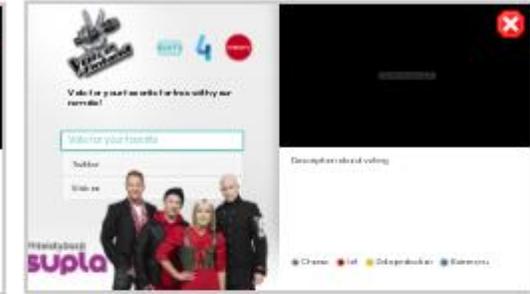
CUSTOM



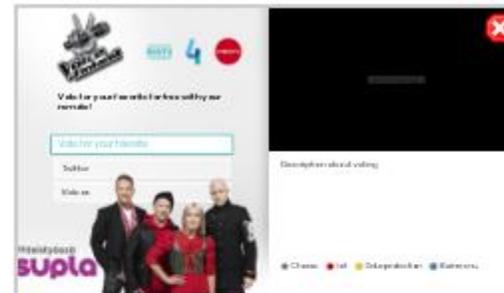
tritest
[Saved Oct 9, 2018 12:50:19](#)
 Not submitted yet
 Not published yet
Submit **Export**



tritest
[Saved Oct 9, 2018 12:50:51](#)
[Submitted Oct 9, 2018 12:50:51](#)
 Not published yet
Reject **Publish** **Export**



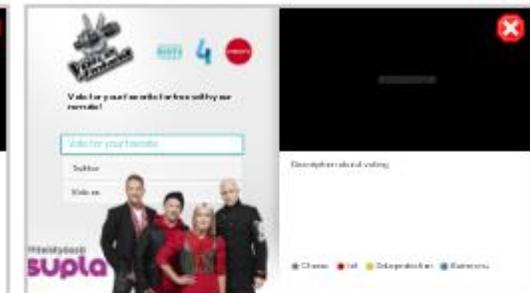
tritest
[Saved Oct 9, 2018 12:50:51](#)
[Submitted Oct 9, 2018 12:50:51](#)
 Rejected Oct 9, 2018 12:51:15
Export



tritest
[Saved Oct 9, 2018 12:51:51](#)
[Submitted Oct 9, 2018 12:51:51](#)
 Not published yet
 Previously rejected Oct 9, 2018 12:51:15
Reject **Publish** **Export**



tritest
[Saved Oct 9, 2018 13:06:19](#)
[Submitted Oct 9, 2018 13:06:19](#)
[Published Oct 9, 2018 13:06:23](#)
Unpublish **Export**



tritest
[Saved Oct 9, 2018 13:06:19](#)
[Submitted Oct 9, 2018 13:06:19](#)
 Not published yet
Reject **Publish** **Export**

Unpublish copies "404 application" to the same location, where the application is published.

Compatible web browsers and extensions

Google Chrome

HybridTV Dev Environment:

<https://chrome.google.com/webstore/detail/hybrid-tv-dev-environment/ljmkgjilkcmbdokbgofbmjnkobejhhapc>

RedOrbit HbbTV Emulator:

<https://chrome.google.com/webstore/detail/redorbit-hbbtv-emulator/mmgfafehampkahlmoahbjcjcmgmkppab>

Mozilla Firefox

HybridTvViewer:

<https://addons.mozilla.org/firefox/addon/hybridtvviewer/>

Configuration of Author submit and publish locations

- By default submit and publish is done to the Author server.
- Author can also publish the HbbTV application to a desired location.
- It is possible to define user account specific publishing location in Author. The settings are in *Settings* tab under *Publish* and *Remote submit* sub tabs. Private SSH key is required to publish the files to a server.

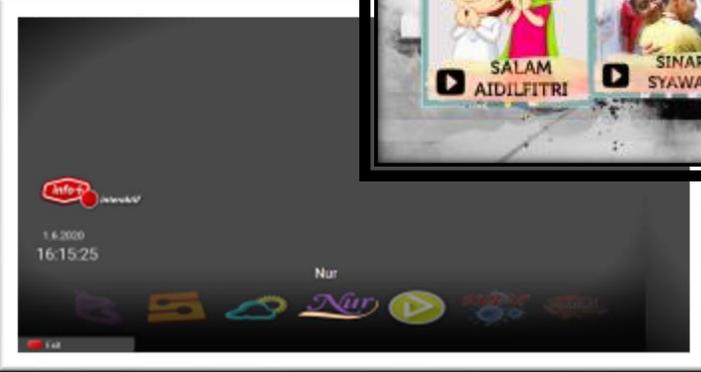
SFTP server settings:

IP-address: author.sofiadigital.com	= Server DNS name
Publish directory: /srv/www/htdocs/published/	= Real publishing path on server
Publish directory URL prefix: http://author.sofiadigital.com/published/	= URL prefix, which is added to links
SFTP username: sofiapub	= Account name on publishing server
Upload new SSH key: Notice: You have already uploaded a key. Browse... No file selected.	= Upload private SSH key here

[Change](#)

AUTHOR DEMO

<https://author.sofiadigital.com/>



CUSTOMER CASE

Radio Televisyen Malaysia (RTM) is the public broadcaster in Malaysia delivering multiple television and radio channels across the country and abroad.



**WITH PASSION AND
PRECISION FROM FINLAND**

THANK YOU.



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