

# Plugin *Scast (SwitchCast)*

## Documentation

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### Date of Release:

### Date

Document-Version:	1.0
Plugin-Version	3.0.2 and above
Author:	Fabian Schmid, studer + raimann ag

Version	Author	Changes
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1.0	Fabian Schmid	First documentation of the Plugin SwitchCast
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## 1 Introduction

Scast is an ILIAS-Plugin for the Swiss Podcast- and Annotation-Service SwitchCast (<https://cast.switch.ch>). The current version supports the SwitchCast-API V2, which is a Switch-made implementation. Switch is currently updating the SwitchCast-Infrastructure to Matterhorn (see 5).

## 2 Feature Overview

### PL-Version      Changes

<b>3.0.0</b>	<p>The Scast-Plugins allows to access the Swiss Podcasting-Service SwitchCast<sup>1</sup>. Key-Features:</p> <ul style="list-style-type: none"><li>• Adding new or existing SwitchCast-Channels to ILIAS</li><li>• Edit Channel-Properties in ILIAS und sync to SwitchCast</li><li>• Representation of Channels and Clip in ILIAS</li><li>• Use the SwitchCast-Annotation-Feature</li><li>• Configure Clip-Access for single users or groups within ILIAS</li></ul>
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## 3 Installation

### 3.1 Basic installation

Login to Server and change directory to you ILIAS-Root. You need write-access to the files.

```
# mkdir -p Customizing/global/plugins/Services/Repository/RepositoryObject/  
# cd Customizing/global/plugins/Services/Repository/RepositoryObject/  
# git clone https://github.com/studer-raimann/Scast.git
```

As an ILIAS administrator go to "Administration->Plugins" and install/activate the plugin.

### 3.2 Configuration

Please contact [fs@studer-raimann.ch](mailto:fs@studer-raimann.ch) concerning the installation of the Plugin. You will need additional information from Switch.

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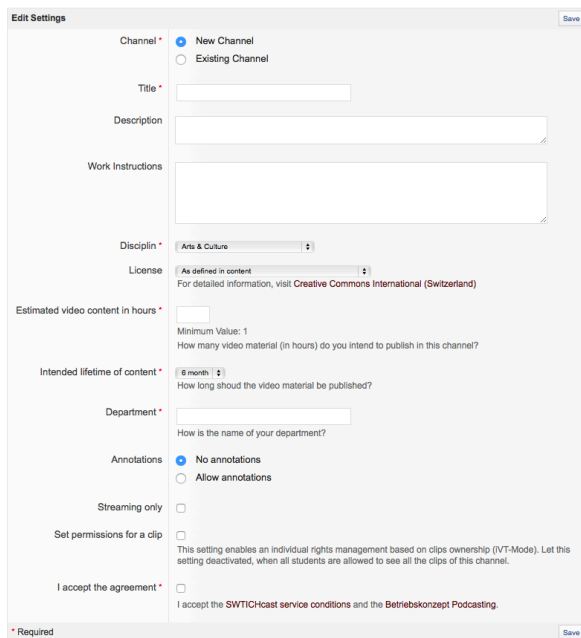
<sup>1</sup> <http://www.switch.ch/cast/>

## 4 Usage of the Plugin

### 4.1 Adding Channels

You can add SwitchCast-Channels to an ILIAS-Course by clicking „Add new Item“ and select „SwitchCast-Channel“.

Fill in all required data to add a new Channel and click „Save“. Optionally you can select an existing channel from SwitchCast where you have access to.



**Edit Settings** [Save]

Channel \* ☒ New Channel  
☐ Existing Channel

Title \*

Description

Work Instructions

Disciplin \*

License   
For detailed information, visit Creative Commons International (Switzerland)

Estimated video content in hours \*   
Minimum Value: 1  
 How many video material (in hours) do you intend to publish in this channel?

Intended lifetime of content \*   
How long should the video material be published?

Department \*   
How is the name of your department?

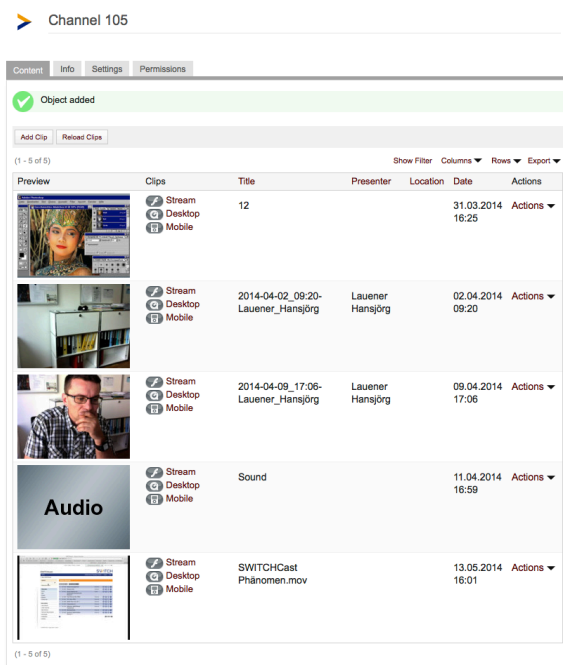
Annotations ☒ No annotations  
☐ Allow annotations

Streaming only ☐

Set permissions for a clip ☐  
This setting enables an individual rights management based on clips ownership (IVT-Mode). Let this setting deactivated, when all students are allowed to see all the clips of this channel.

I accept the agreement \* ☐  
I accept the SWITCHcast service conditions and the Betriebskonzept Podcasting.

\* Required [Save]








**Channel 105**

Content Info Settings Permissions

Object added

Add Clip Reload Clips

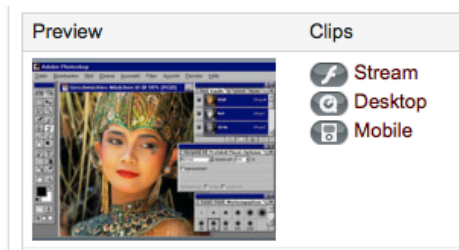
(1 - 5 of 5)

Preview	Clips	Title	Presenter	Location	Date	Actions
	Stream Desktop Mobile	12			31.03.2014 16:25	Actions
	Stream Desktop Mobile	2014-04-02_09:20-Lauener_Hansjörg	Lauener Hansjörg		02.04.2014 09:20	Actions
	Stream Desktop Mobile	2014-04-09_17:06-Lauener_Hansjörg	Lauener Hansjörg		09.04.2014 17:06	Actions
	Stream Desktop Mobile	Sound			11.04.2014 16:59	Actions
	Stream Desktop Mobile	SWITCHCast Phänomen.mov			13.05.2014 16:01	Actions


(1 - 5 of 5)

### 4.2 Using Channels

The Channel-Overview shows all Videos that you have access to. The Clip-Linkbox provides links to the streams in different formats:



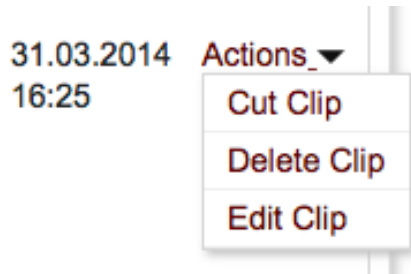
**Preview** **Clips**



Stream  
Desktop  
Mobile

- Flash-Stream
- Desktop-Version
- Mobile-Version
- Optionally: Annotation-Link (see 4.3)

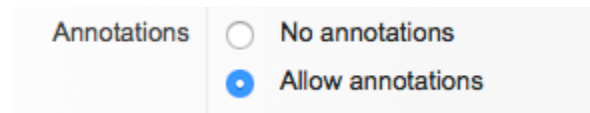
As an Administrator you have access to different actions:



- Cut Clip (external-Link to SwitchCast-Cutter)
- Delete Clip
- Edit Clip-Metadata
- Optionally: Edit Members (see 4.4)
- Optionally: Edit Owner (see 4.4)

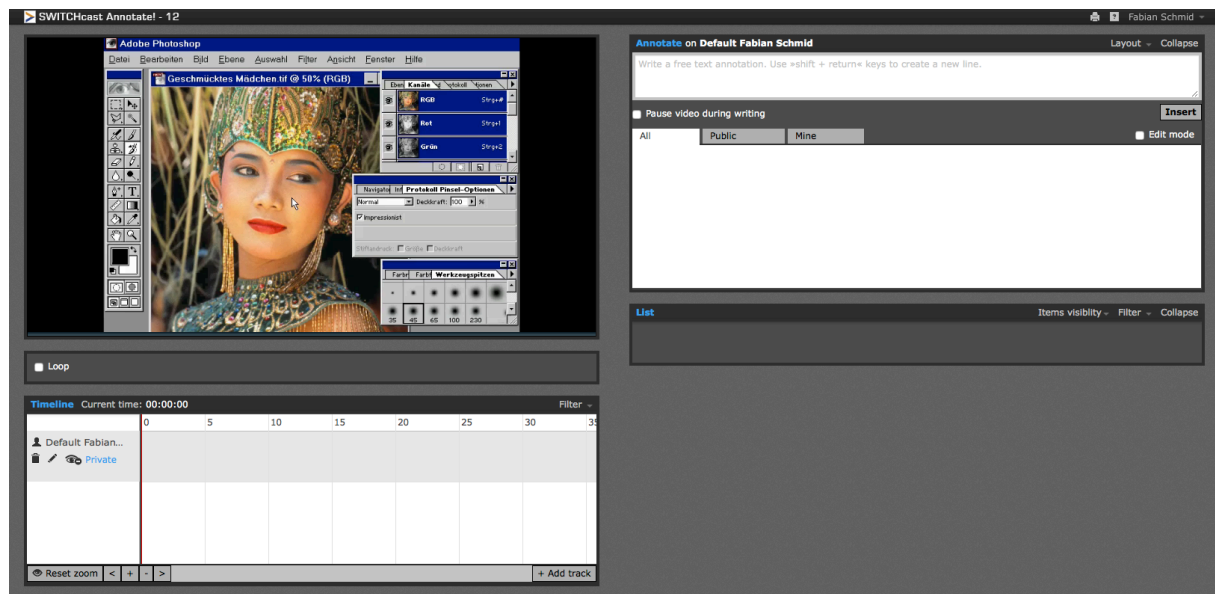
### 4.3 Using Annotations

The Annotation-feature can be activated for a channel by edit the Channel-Properties:



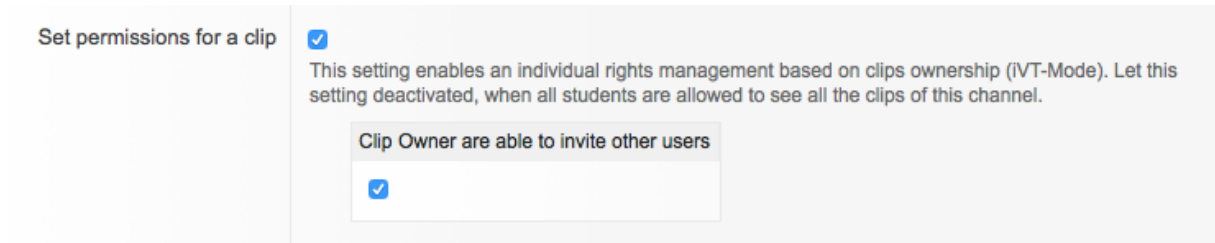
Change to “Allow annotations” and Save the configuration.

After activating the feature, a new Link in the Clip-Linkbox is available. By clicking „Annotation“ you will be redirected to the annotation-tool on SwitchCast:



## 4.4 Manage Clip-Access

The Clip-Management in the Scast-Plugin allows much more granular permission-settings as the SwitchCast or the SwitchTube-Plattform. You can set permission per Clip by adding the option „Set permissions for a clip“:



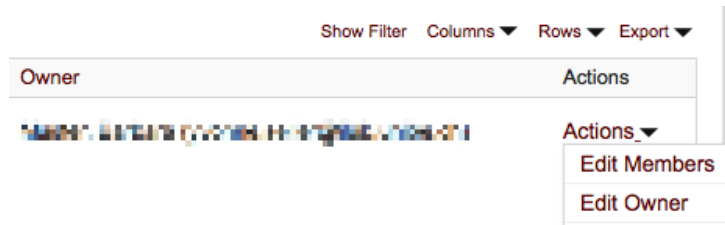
Set permissions for a clip ☒

This setting enables an individual rights management based on clips ownership (iVT-Mode). Let this setting deactivated, when all students are allowed to see all the clips of this channel.

Clip Owner are able to invite other users

☒

This activates the new actions „Edit Members“ and „Edit Owner“ for each clip:

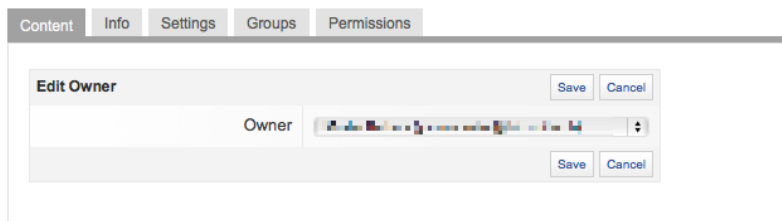


Show Filter Columns Rows Export

Owner	Actions
[User Avatar]	Actions Edit Members Edit Owner

### 4.4.1 Setting owner of a clip

Changing the owner of a clip let him see this clip always and (if specified) allows him to select other users to see his clip.



Content Info Settings Groups Permissions

Edit Owner

Owner [User Avatar]

Save Cancel

#### 4.4.2 Edit Clip-Members

The Clip-Owner and Channel-Admins have the right to edit Clip-Members. These Members are allowed to see the clip.

back

Add Member
Add Cancel

Member
--not assigned--
Add Cancel

Name	E-Mail	Context	Actions
	<a href="#">[redacted]</a>	SWITCHcast Producer	
	<a href="#">[redacted]</a>	SWITCHcast Producer	
	<a href="#">[redacted]</a>	Clip Owner	
	<a href="#">[redacted]</a>	Clip Member	Actions ▾

(1 - 4 of 4)

#### 4.4.3 Managing Groups

It is possible to add groups of members to a channel. All members of a group can see the clips of all other Group-Members.

Content
Info
Settings
Groups
Permissions

Groups

New Group:
Create

Please create a group first.

Available Participants

Filter:
x

Add

Fabian Schmid  
fabian.schmid@ilub.unibe.ch
Add

Add

Add

Add

Add



## 5 Future of the SwitchCast-API

Currently SWITCH is replacing core-components of SwitchCast with Matterhorn<sup>2</sup>.

At least the following institutions will be interested in a new Plugin-Version which will support the new Matterhorn-API

- Universität Bern
- Université de Lausanne

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<sup>2</sup> <http://opencast.org/matterhorn/>