

# "Coming up Next" Captions



Let's consider configuring automatic generation of "Coming up Next" captions. The algorithm of configuration is similar to ["now playing" caption](#). We will use the automation rules mechanism [«Actions»](#) of the Skylark server.

## Creating Captions Template

Let's create a graphic composition for a captions template.

Graphic composition comprises three elements:

- BG animated backing,
- «Text1» text element for the "Next" title,
- «NextProgTitle» text element for inserting the title of the next program.

Name	Element
<input checked="" type="checkbox"/> NextProgTitle	Text Area
<input checked="" type="checkbox"/> Text1	Text Area
<input checked="" type="checkbox"/> BG	PIP Frame

EX: 1.0	EY: 1.0
DX: 0.0	DY: 0.0
Opot: 100	
Parametrization:	
Type:	External
Feed:	
Channel:	

Set the External type of parametrization in the NextProgTitle element settings. This will allow to set text in the NextProgTitle field during playback. Save the graphic composition, give it any name, for example "Watch\_Next\_GR".

## Captions Layout: When?

Now let's define which elements of the main playlist will have the "Coming up Next" caption. For instance, the caption will be played only for important programs, but not for commercials and fillers. The "Coming up Next" caption will be played ten seconds before the program ends. Let's say the important playlist programs will have the "prog" value in the Type column.

Broadcast - CAST2 - STOPPED @ 25.00 fps													
N	Group	Status	Start	Media	Event Dur	Type	Comment	Start Time	Loops	In Point	Out Point	Title	Da
1		Auto		CityViews2 HD	00:00:50:02	prog	New York, New York		1	00:00:00:00	00:00:50:02	CityViews2 HD	
2		Auto		SkyLark HiTech Logo HD	00:00:15:17				1	00:00:00:00	00:00:15:17	SkyLark HiTech Logo HD	
3		Auto		Robots 1	00:00:27:00	prog	Роботы. 1 серия		1	00:00:00:00	00:00:27:00	Robots 1	
4		Auto		SL NEO Promo	00:00:19:23				1	00:00:00:00	00:00:19:23	SL NEO Promo	
5													
6													
7													
8													

As an example, we will use the Comment column text for a caption.

## Configuring Actions

We need to create a rule, according to which, the Skylark server will play the template graphic composition in certain lines of the main playlist, simultaneously receiving the Comment column value of the next important line of the main playlist. Configuring Actions for a program channel is implemented from the Administrator Control Panel. Login to the console is implemented locally from the server or from any computer in the network at [http://server\\_ip:7901](http://server_ip:7901). Login the console as an administrator. After the login to the control console, click Manage at the left menu. Find the Program Outputs tab. Open the Actions tab in the window of the required program channel and click Playlist events. Click Add action. Click Add action to open a window for creating the rule.

**Program output 1**

☒ Service Enabled
 Name: Program\_1 ( [Change](#) )

2 Storage(s) added.

Playout Parameters   **Actions**   Storages   Automation   Main/Backup Sync   BXF Connector

Playlist events   **General events**

Playlist event actions (Add action)

Specify the following settings in the Action configuration section:

**Action configuration**

Name: Watch next

Layer: 1

Delay: 10000

Address:

Service:

Action: Play clip

- Set a random name for the rule in the Name field.
- Select "1" in the Layer field: tracking the condition of Action execution will be implemented in the main playlist of the program channel.
- In the Delay field, enter the time interval from the end of the main playlist event, after which the caption will be played, in milliseconds.
- Press ... near the entry field in the Action field and select Play clip.

Set the conditions for triggering the rule in the Action condition field. Specify the following settings:

Action condition

Variable:

Trigger if:

Value:

☐ Trigger at start when primary matches

☒ Trigger at end when primary matches

☐ Trigger when secondary matches

- Select Type in the Variable field.
- Select EQUAL in the Trigger if field.
- Set "prog" in the Value field (the criteria for distinguishing the needed programs).
- Activate the Trigger at end when primary matches parameter and uncheck other boxes.

It is necessary to configure the Action parameters section for the Play clip action. Note that hovering ParamN fields displays hints.

Action parameters

Param 1:  ...

Param 2:  ...

Param 3:  ...

Param 4:  ...

Param 5:  ...

Param 6:  ...

Param 7:  ...

Param 8:  ...

Param 9:  ...

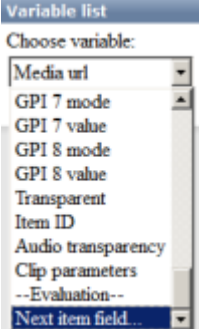
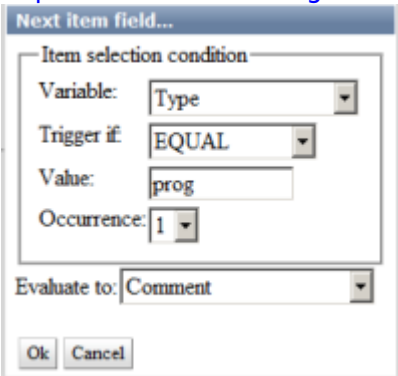
Param 10:  ...

Param 11:  ...

Param 12:  ...

Param 13:  ...

Parameter	Description
Param1	Set the number of a graphic playlist that will play the caption.
Param2	Enter the name of a template graphic composition exactly as in the media base.
Param4	Set the IN point for the graphic composition, in frames. In our case the IN point matches the start point, so set "0".
Param5	Set the OUT point: calculate duration of the graphic composition in frames and enter the value into this field.
Param6	Calculate duration of the graphic composition in frames and enter the value into this field.

Parameter	Description
Param10	<p>Configuring parametrization of a graphic composition. Setting the value insertion from columns of the main playlist into the graphic composition. Press ... near the Param 10 field, select «Next item field...» in the opened list</p>  <p>Implement the following settings in the opened window:</p>  <p>These settings will make the server to search for the nearest playlist line with no status (the clip hasn't been played) and with the “prog” value in the Type column, and take its Comment column value. Now what's left is inserting the value into our caption template. Press OK and in the beginning of the Param 10 field, enter the name of the needed graphic composition element (NextProgTitle in our example). Add @ after the element name. Thus, the Param 10 field must contain the following value: NextProgTitle@\$(!comment:type=prog/1)</p>
Param11	«PLAY» type of launch.

Configuring is finished. Press OK in the rule editing window and click Apply changes at the page top. The corresponding program channel will be reloaded, the created automation rule will be applied and executed by the server during playlist execution.

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