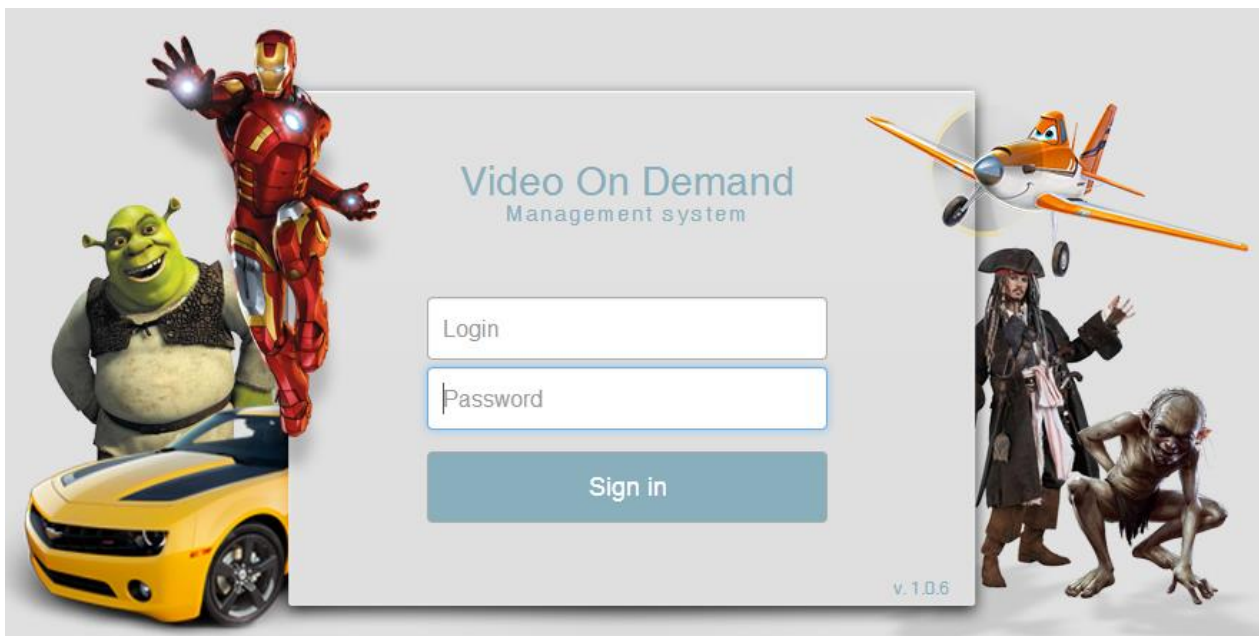


# VOD management system

## *User guide*






# Content

1. Storage.....	4
2. Content .....	6
2.1 Movies.....	6
2.2 Packages.....	11
2.3 Persons.....	14
2.4 Genres.....	16
2.5 Content providers .....	18
3. Encoder .....	21
3.1 Encoders .....	21
3.2 Profiles .....	29
3.3 Advanced profiles .....	31
3.4 Multiprofiles .....	33
4. Billing.....	35
4.1 Groups.....	35
4.2 Customers .....	38
5. Admin.....	40
5.1 Users .....	40
5.2 Settings .....	42
5.3 Device profiles .....	44
5.4 Import logs.....	46
6. XML import and export.....	47

## Introduction

VOD management system is used for management all the components included in VOD infrastructure. The procedure is as follows:

After logging you can see the homescreen.

Management: Storage Content Encoder Billing Admin Logout									
Storages <span>Add storage</span>									
ID	Name	IP	HDD capacity:	Load	System memory	Available	Edit	Detail	Delete
1	dev2 test	10.252.61.66	 88 GB / 212.07 GB	 0.01 / 4 cores	 0.44 / 1.81 GB	Yes	Edit	Detail	Delete
15	Test 2	10.252.61.10	N/A	N/A	N/A	No	Edit	Detail	Delete

# 1. Storage

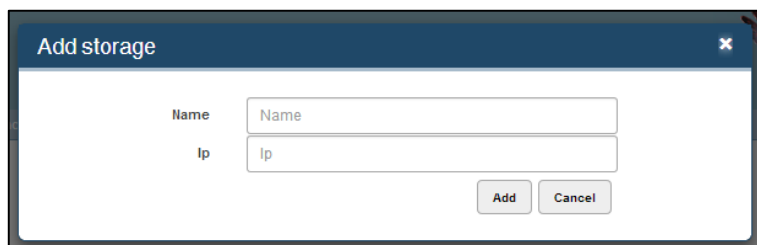
Storage is used for storing the movies and streaming content to the boxes.

By clicking “Add storage” you add a new storage.



ID	Name	IP	HDD capacity:	Load	System memory	Available	Edit	Detail	Delete
1	dev2 test	10.252.61.66	88 GB /212.07 GB	0.08 /4 cores	0.44 /1.81 GB	Yes	Edit	Detail	Delete
15	Test 2	10.252.61.10	N/A	N/A	N/A	No	Edit	Detail	Delete

Fill in storage name and its IP.

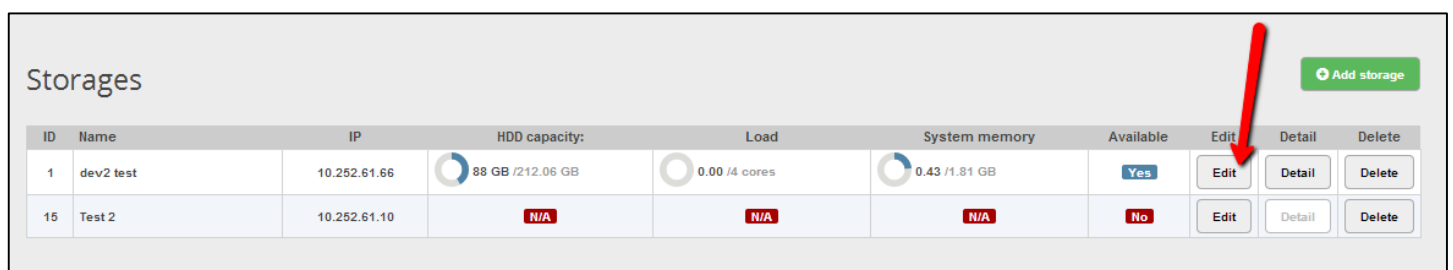


Name

Ip

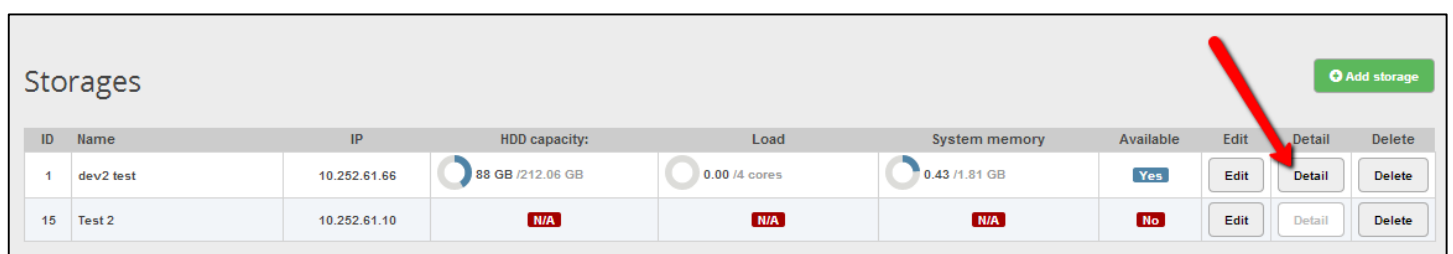
Add Cancel

By clicking “Edit” you edit the existing storage. You can edit its name and IP.



ID	Name	IP	HDD capacity:	Load	System memory	Available	Edit	Detail	Delete
1	dev2 test	10.252.61.66	88 GB /212.06 GB	0.00 /4 cores	0.43 /1.81 GB	Yes	Edit	Detail	Delete
15	Test 2	10.252.61.10	N/A	N/A	N/A	No	Edit	Detail	Delete

By clicking “Detail” you can see the storage details.



ID	Name	IP	HDD capacity:	Load	System memory	Available	Edit	Detail	Delete
1	dev2 test	10.252.61.66	88 GB /212.06 GB	0.00 /4 cores	0.43 /1.81 GB	Yes	Edit	Detail	Delete
15	Test 2	10.252.61.10	N/A	N/A	N/A	No	Edit	Detail	Delete

You can see the storage capacity, CPU, load, RAM and IOPS.

There are the details about the storage content: ID, title, type, profile/multi profile, uploading progress, status (done, waiting or copying) and information about location on the storage server, filesize, last update etc.

Storage: dev2 test

Capacity:	CPU:	Load:	Ram:	IOPS:
89 GB / 212.03 GB	0%	0.00 / 4 cores	0.48 / 1.81 GB	0 / 1000

Content on this storage: Search

ID	Title	Type:	Profile(P)/Multiprofile(M):	Uploading progress	Status:	Info	Delete
2	Frozen	Movie	P: 2MBit	100	Done	▼	Delete
4	Die Hard	Movie	P: 2MBit	100	Done	▼	Delete
5	Tangled	Movie	P: 2MBit	100	Done	▼	Delete
6	Die Hard 2	Movie	P: 2MBit	100	Done	▼	Delete
8	When in Rome	Movie	P: 2MBit	100	Done	▼	Delete
9	Cars	Movie	P: 2MBit	100	Done	▼	Delete
11	Scary Movie	Movie	P: 2MBit	100	Done	▼	Delete

You can search for content using the searching box.

Capacity:	CPU:	Load:	Ram:	IOPS:
88 GB / 212.05 GB	0%	0.00 / 4 cores	0.47 / 1.81 GB	0 / 1000

Content on this storage: Search

Search for content:  Search

By clicking "Delete" you delete the content saved on the storage.

Storage: dev2 test

Capacity:	CPU:	Load:	Ram:	IOPS:
88 GB / 212.06 GB	0%	0.00 / 4 cores	0.47 / 1.81 GB	0 / 1000

Content on this storage: Search

ID	Title	Type:	Profile(P)/Multiprofile(M):	Uploading progress	Status:	Info	Delete
2	Frozen	Movie	P: Aaaa_Bbbb	100	Done	▼	Delete
4	Die Hard	Movie	P: Aaaa_Bbbb	100	Done	▼	Delete

By clicking "Delete" you delete the storage.

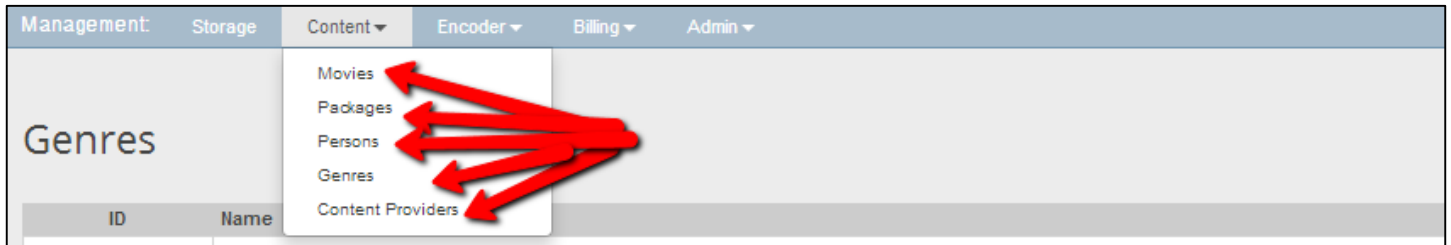
Storages Add storage

ID	Name	IP	HDD capacity:	Load	System memory	Available	Edit	Detail	Delete
1	dev2 test	10.252.61.66	88 GB / 212.06 GB	0.00 / 4 cores	0.47 / 1.81 GB	Yes	Edit	Detail	Delete
15	Test 2	10.252.61.10	N/A	N/A	N/A	No	Edit	Detail	Delete

## 2. Content

Content is used for adding the movies, editing the movies and setting of movie metadata. Content is also used for creating the movie packages, persons in the movies, movie genres and content providers.

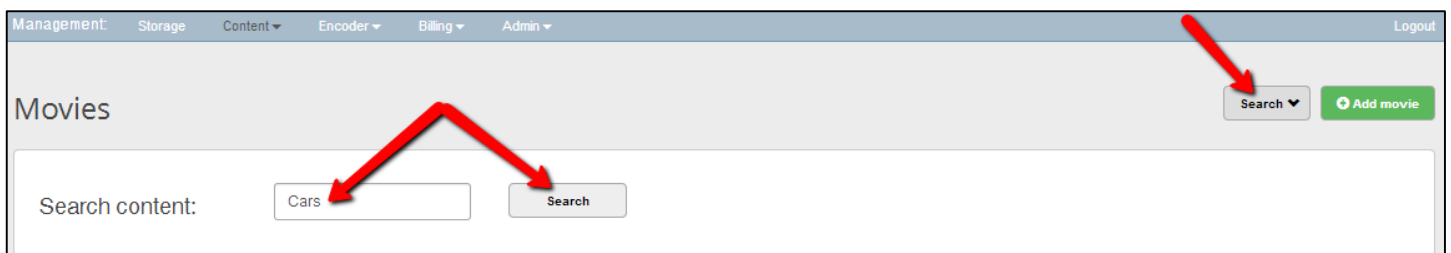
There are five options: Movies, packages, persons, genres and content providers.



### 2.1 Movies

ID	Title	Original title:	Length	Rating:	Release:	Billing group:	Billing type:	Public:	Detail:	Delete:
70	Test Pilot	Test Pilot	119 min	6.9	22.04.1938	Basic	Pay per view	✗	<a href="#">Detail</a>	<a href="#">Delete</a>
69	Pirates of the Caribbean: The Curse of the Black Pearl	Pirates of the Caribbean: The Curse of the Black Pearl	143 min	8.1	09.07.2003	Basic	Pay per view	✗	<a href="#">Detail</a>	<a href="#">Delete</a>
68	Crossing Lines	Crossing Lines	43 min	7.3	23.06.2013	Basic	Pay per view	✗	<a href="#">Detail</a>	<a href="#">Delete</a>

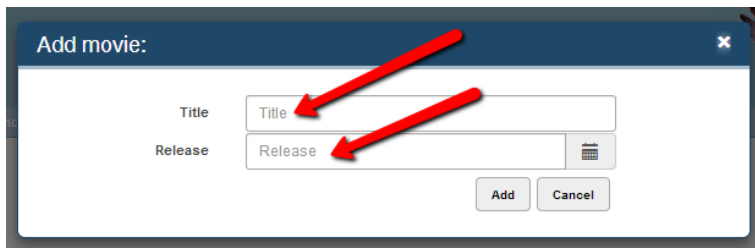
You can search for movie using the searching box.



By clicking “Add movie” you add a new movie.


ID	Title	Original title:	Length	Rating:	Release:	Billing group:	Billing type:	Public:	Detail:	Delete:
70	Test Pilot	Test Pilot	119 min	6.9	22.04.1938	Basic	Pay per view	✗	<a href="#">Detail</a>	<a href="#">Delete</a>
69	Pirates of the Caribbean: The Curse of the Black Pearl	Pirates of the Caribbean: The Curse of the Black Pearl	143 min	8.1	09.07.2003	Basic	Pay per view	✗	<a href="#">Detail</a>	<a href="#">Delete</a>
68	Crossing Lines	Crossing Lines	43 min	7.3	23.06.2013	Basic	Pay per view	✗	<a href="#">Detail</a>	<a href="#">Delete</a>
66	Stealth	Stealth	121 min	5.0	29.07.2005	Basic	Free	✗	<a href="#">Detail</a>	<a href="#">Delete</a>
63	A Bug's Life	A Bug's Life	95 min	7.2	25.11.1998	Basic	Free	✗	<a href="#">Detail</a>	<a href="#">Delete</a>
62	Anchorman 2: The Legend Continues	Anchorman 2: The Legend Continues	119 min	6.5	18.12.2013	Test	Pay per minute	✓	<a href="#">Detail</a>	<a href="#">Delete</a>

Fill in a movie title and release date.

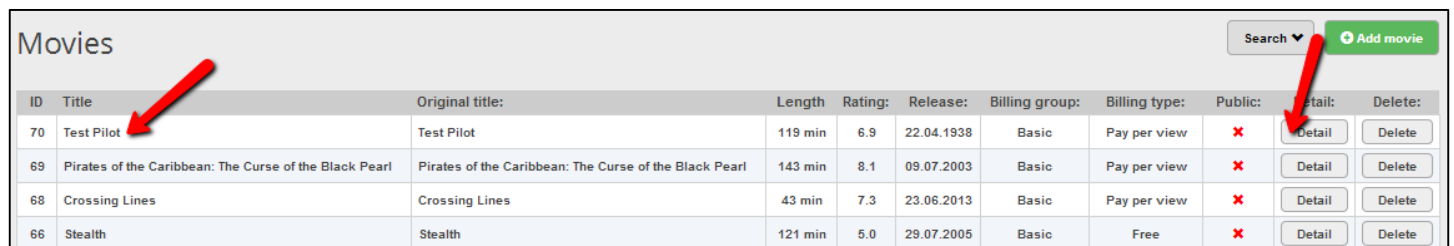


Add movie:

Title:

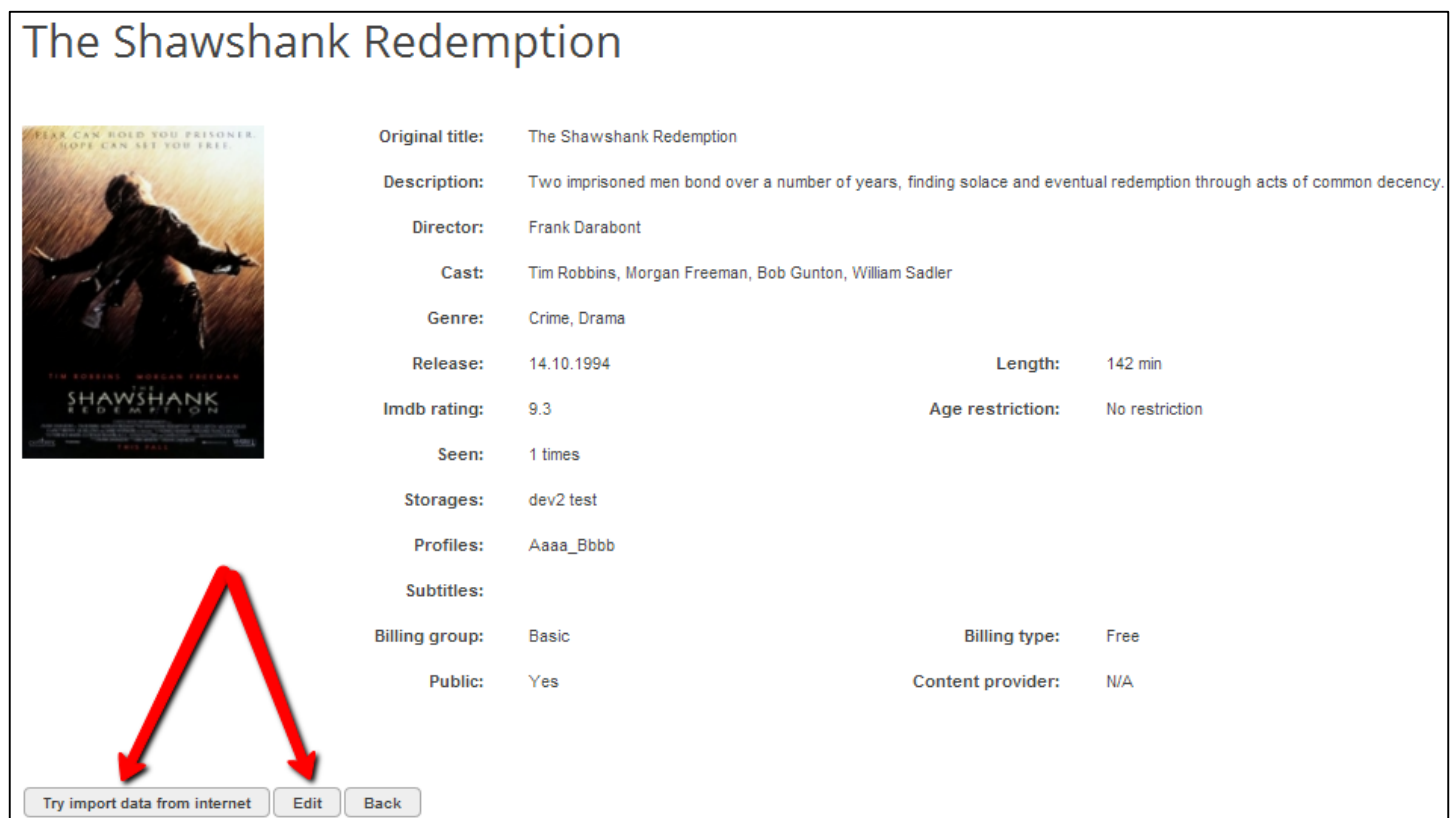
Release:  

You find a new movie at the beginning of the movie list. Click on “Detail”.




ID	Title	Original title:	Length	Rating:	Release:	Billing group:	Billing type:	Public:	Detail:	Delete:
70	Test Pilot	Test Pilot	119 min	6.9	22.04.1938	Basic	Pay per view	✗	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
69	Pirates of the Caribbean: The Curse of the Black Pearl	Pirates of the Caribbean: The Curse of the Black Pearl	143 min	8.1	09.07.2003	Basic	Pay per view	✗	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
68	Crossing Lines	Crossing Lines	43 min	7.3	23.06.2013	Basic	Pay per view	✗	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
66	Stealth	Stealth	121 min	5.0	29.07.2005	Basic	Free	✗	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>

There are two options: You can import movie data from the Internet or you can edit these data on your own.



## The Shawshank Redemption



**Original title:** The Shawshank Redemption

**Description:** Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.

**Director:** Frank Darabont

**Cast:** Tim Robbins, Morgan Freeman, Bob Gunton, William Sadler

**Genre:** Crime, Drama

**Release:** 14.10.1994

**Imdb rating:** 9.3

**Seen:** 1 times

**Storages:** dev2 test

**Profiles:** Aaaa\_Bbbb

**Subtitles:**

**Billing group:** Basic

**Public:** Yes

**Length:** 142 min


**Age restriction:** No restriction

**Billing type:** Free

**Content provider:** N/A

By clicking “Try import data from the Internet” you import movie data from the Internet.

## The Shawshank Redemption



**Original title:** The Shawshank Redemption

**Description:** Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.

**Director:** Frank Darabont

**Cast:** Tim Robbins, Morgan Freeman, Bob Gunton, William Sadler

**Genre:** Crime, Drama

**Release:** 14.10.1994

**Length:** 142 min

**Imdb rating:** 9.3

**Age restriction:** No restriction

**Seen:** 1 times

**Storages:** dev2 test

**Profiles:** Aaaa\_Bbbb


**Subtitles:**

**Billing group:** Basic

**Billing type:** Free

**Public:** Yes

**Content provider:** N/A



By clicking “Save this” you save movie data from the Internet.

Search results for movie "The Shawshank Redemption"				
Title	Year	Type	Imdb link	Save
The Shawshank Redemption	1994	movie	<a href="http://www.imdb.com/title/tt0111161">http://www.imdb.com/title/tt0111161</a>	<input type="button" value="Save this"/>
The Shawshank Redemption	1994	movie	<a href="http://www.imdb.com/title/tt0111161">http://www.imdb.com/title/tt0111161</a>	<input type="button" value="Save this"/>



By clicking “Edit” you edit movie data on your own.

## The Shawshank Redemption




<b>Original title:</b>	The Shawshank Redemption		
<b>Description:</b>	Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.		
<b>Director:</b>	Frank Darabont		
<b>Cast:</b>	Tim Robbins, Morgan Freeman, Bob Gunton, William Sadler		
<b>Genre:</b>	Crime, Drama		
<b>Release:</b>	14.10.1994	<b>Length:</b>	142 min
<b>Imdb rating:</b>	9.3	<b>Age restriction:</b>	No restriction
<b>Seen:</b>	1 times		
<b>Storages:</b>	dev2 test		
<b>Profiles:</b>	Aaaa_Bbbb		
<b>Subtitles:</b>			
<b>Billing group:</b>	Basic	<b>Billing type:</b>	Free
<b>Public:</b>	Yes	<b>Content provider:</b>	N/A

[Try import data from internet](#)
[Edit](#)
[Back](#)

By clicking “Back” you go back to the movie list.

## The Shawshank Redemption



<b>Original title:</b>	The Shawshank Redemption		
<b>Description:</b>	Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.		
<b>Director:</b>	Frank Darabont		
<b>Cast:</b>	Tim Robbins, Morgan Freeman, Bob Gunton, William Sadler		
<b>Genre:</b>	Crime, Drama		
<b>Release:</b>	14.10.1994	<b>Length:</b>	142 min
<b>Imdb rating:</b>	9.3	<b>Age restriction:</b>	No restriction
<b>Seen:</b>	1 times		
<b>Storages:</b>	dev2 test		
<b>Profiles:</b>	Aaaa_Bbbb		
<b>Subtitles:</b>			
<b>Billing group:</b>	Basic	<b>Billing type:</b>	Free
<b>Public:</b>	Yes	<b>Content provider:</b>	N/A

[Try import data from internet](#)
[Edit](#)
[Back](#)

By clicking “Detail” you can see the movie details.

Movies


Search

Add movie

ID	Title	Original title:	Length	Rating:	Release:	Billing group:	Billing type:	Public:	Detail:	Delete:
70	Test Pilot	Test Pilot	119 min	6.9	22.04.1938	Basic	Pay per view	×	Detail	Delete
69	Pirates of the Caribbean: The Curse of the Black Pearl	Pirates of the Caribbean: The Curse of the Black Pearl	143 min	8.1	09.07.2003	Basic	Pay per view	×	Detail	Delete
68	Crossing Lines	Crossing Lines	43 min	7.3	23.06.2013	Basic	Pay per view	×	Detail	Delete

There are three options: You can import movie data from the Internet or you can edit these data on your own or you can go back to the movie list.

The Shawshank Redemption



Original title:

The Shawshank Redemption

Description:

Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.

Director:

Frank Darabont

Cast:

Tim Robbins, Morgan Freeman, Bob Gunton, William Sadler

Genre:

Crime, Drama

Release:

14.10.1994

Length:

142 min

Imdb rating:

9.3

Age restriction:

No restriction

Seen:

1 times

Storages:

dev2 test

Profiles:

Aaaa\_Bbbb

Subtitles:

Billing group:

Basic

Billing type:

Free

Public:

Yes

Content provider:

N/A

Try import data from internet

Edit

Back

By clicking “Delete” you delete a movie.

Movies

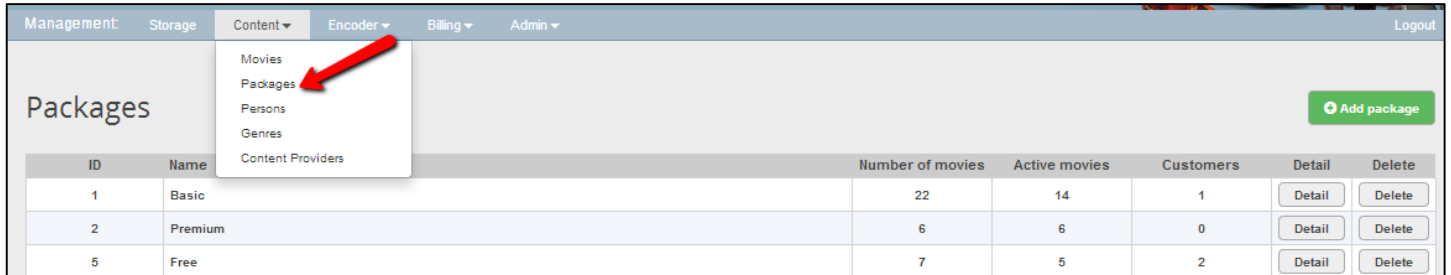
Search

Add movie

ID	Title	Original title:	Length	Rating:	Release:	Billing group:	Billing type:	Public:	Detail:	Delete:
70	Test Pilot	Test Pilot	119 min	6.9	22.04.1938	Basic	Pay per view	×	Detail	Delete
69	Pirates of the Caribbean: The Curse of the Black Pearl	Pirates of the Caribbean: The Curse of the Black Pearl	143 min	8.1	09.07.2003	Basic	Pay per view	×	Detail	Delete

## 2.2 Packages

By clicking “Packages” you can see the information about the packages: package ID, package name, number of movies in a package, number of active movies in a package and number of customers in a package.



The screenshot shows the 'Packages' section of the ANTIK management interface. A red arrow points to the 'Packages' option in the 'Content' dropdown menu. The main table displays the following data:

ID	Name	Number of movies	Active movies	Customers	Detail	Delete
1	Basic	22	14	1	<a href="#">Detail</a>	<a href="#">Delete</a>
2	Premium	6	6	0	<a href="#">Detail</a>	<a href="#">Delete</a>
5	Free	7	5	2	<a href="#">Detail</a>	<a href="#">Delete</a>

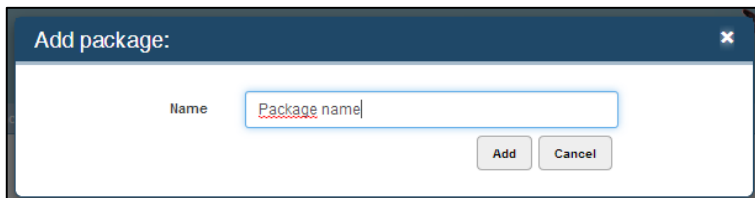
By clicking “Add package” you add a new package.



The screenshot shows the 'Add package' button in the ANTIK management interface. A red arrow points to the 'Add package' button. The main table displays the following data:

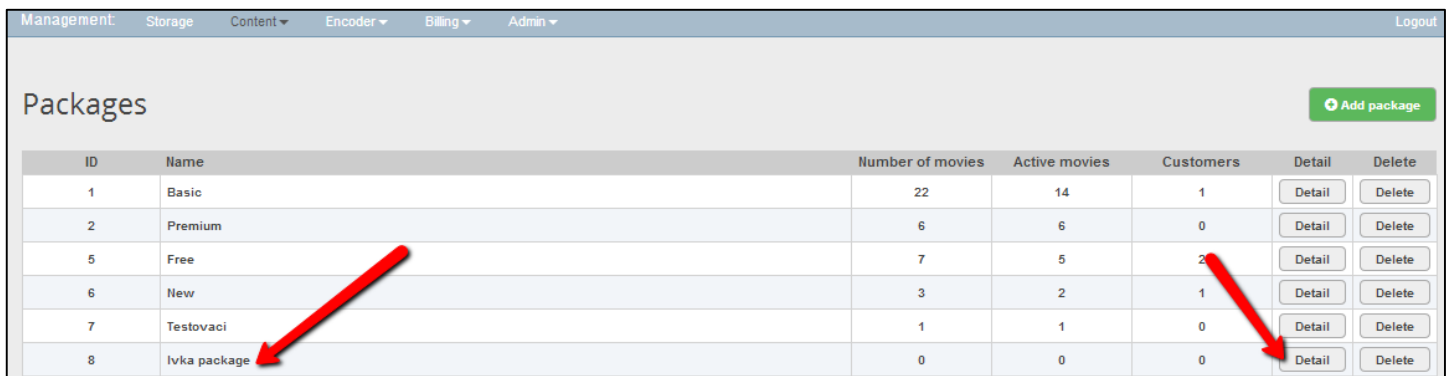
ID	Name	Number of movies	Active movies	Customers	Detail	Delete
1	Basic	22	14	1	<a href="#">Detail</a>	<a href="#">Delete</a>
2	Premium	6	6	0	<a href="#">Detail</a>	<a href="#">Delete</a>

Fill in a package name.



The screenshot shows the 'Add package' dialog box. A red arrow points to the 'Name' input field. The input field contains the text 'Package name'.

You find a new package at the end of the package list. Click on “Detail”.



The screenshot shows the 'Packages' section of the ANTIK management interface. A red arrow points to the 'Detail' button for the new package 'Ivka package'. The main table displays the following data:

ID	Name	Number of movies	Active movies	Customers	Detail	Delete
1	Basic	22	14	1	<a href="#">Detail</a>	<a href="#">Delete</a>
2	Premium	6	6	0	<a href="#">Detail</a>	<a href="#">Delete</a>
5	Free	7	5	2	<a href="#">Detail</a>	<a href="#">Delete</a>
6	New	3	2	1	<a href="#">Detail</a>	<a href="#">Delete</a>
7	Testovaci	1	1	0	<a href="#">Detail</a>	<a href="#">Delete</a>
8	Ivka package	0	0	0	<a href="#">Detail</a>	<a href="#">Delete</a>

First you must add movies to the package.

Detail of package: Ivka package

Search
Add movie

ID	Name	Active From	Active To	Edit Dates	Remove from package
Package has no movies.					

Fill in a movie title and available dates.

Add Movie to Package

Title
The Fly

Public From
2014-08-05 15:00

Public To
2015-08-05 15:09

Add
Cancel

By clicking “Edit dates” you can edit available dates.

Detail of package: Ivka package

Search
Add movie

ID	Name	Active From	Active To	Edit Dates	Remove from package
28	The Fly	05.08.2014 15:00:00	05.08.2015 15:09:00	Edit dates	Remove from package

By clicking “Remove from the package” you remove the movie from the package.

Detail of package: Ivka package

Search
Add movie

ID	Name	Active From	Active To	Edit Dates	Remove from package
28	The Fly	05.08.2014 15:00:00	05.08.2015 15:09:00	Edit dates	Remove from package

You can search for movie using the searching box.

Detail of package: Basic

Search movie:

ID	Name	Active From	Active To	Edit Dates	Remove from package
57	'Gangnam Style' by Psy	03.07.2014 10:31:00	30.07.2014 10:31:00	<input type="button" value="Edit dates"/>	<input type="button" value="Remove from package"/>
30	Alarm für Cobra 11 - Die Autobahnpolizei	24.07.2014 10:51:00	24.07.2014 10:51:00	<input type="button" value="Edit dates"/>	<input type="button" value="Remove from package"/>
9	Cars	07.07.2014 10:26:00	31.07.2014 10:26:00	<input type="button" value="Edit dates"/>	<input type="button" value="Remove from package"/>
50	Cars 2	Unlimited	Unlimited	<input type="button" value="Edit dates"/>	<input type="button" value="Remove from package"/>

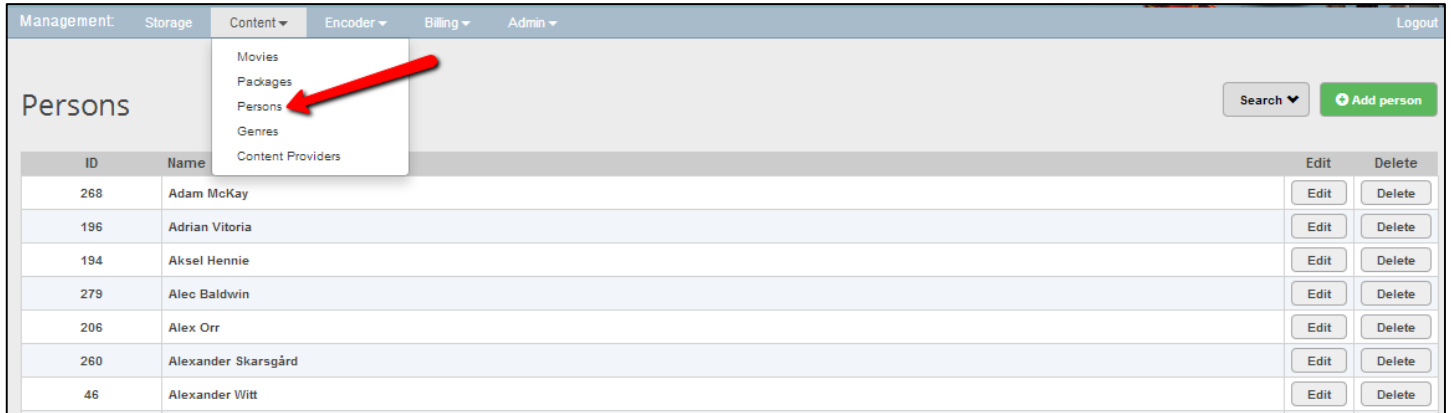
By clicking "Delete" you delete a package.

Packages

ID	Name	Number of movies	Active movies	Customers	Detail	Delete
1	Basic	22	14	1	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
2	Premium	6	6	0	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
5	Free	7	5	2	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
6	New	3	2	1	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
7	Testovací	1	1	0	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>
8	Ivka package	0	0	0	<input type="button" value="Detail"/>	<input type="button" value="Delete"/>

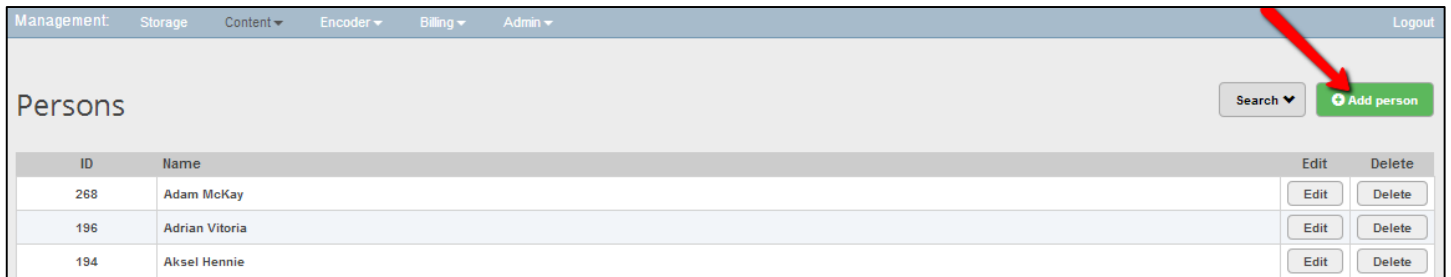
## 2.3 Persons

By clicking “Persons” you can see the information about the persons: person ID and person name in alphabetical order.



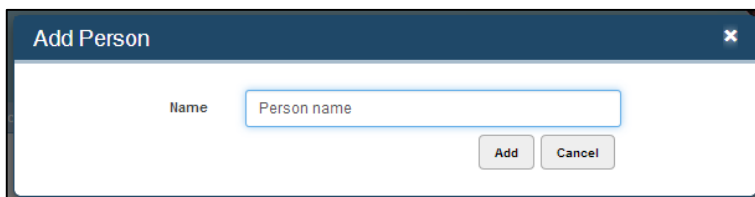
ID	Name	Edit	Delete
268	Adam McKay	Edit	Delete
196	Adrian Vitoria	Edit	Delete
194	Aksel Hennie	Edit	Delete
279	Alec Baldwin	Edit	Delete
206	Alex Orr	Edit	Delete
260	Alexander Skarsgård	Edit	Delete
46	Alexander Witt	Edit	Delete

By clicking “Add person” you add a new person.

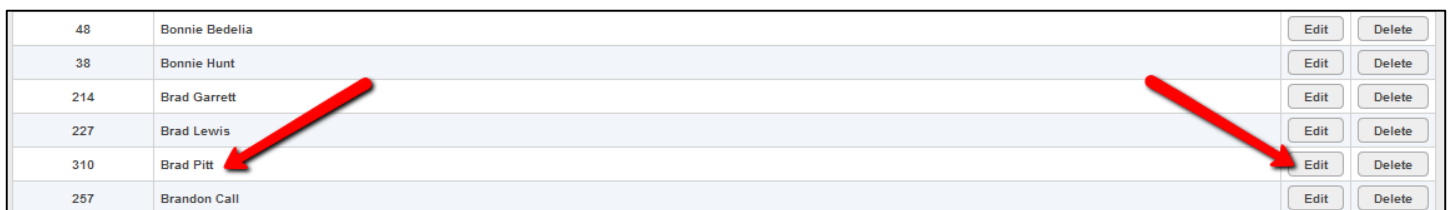


ID	Name	Edit	Delete
268	Adam McKay	Edit	Delete
196	Adrian Vitoria	Edit	Delete
194	Aksel Hennie	Edit	Delete

Fill in a person name.



You find a new person sorted to alphabetical order. Click on “Edit”.



ID	Name	Edit	Delete
48	Bonnie Bedelia	Edit	Delete
38	Bonnie Hunt	Edit	Delete
214	Brad Garrett	Edit	Delete
227	Brad Lewis	Edit	Delete
310	Brad Pitt	Edit	Delete
257	Brandon Call	Edit	Delete

By clicking “Change” you can edit person name.

Edit Person

Name

Brad Pitt

Change

Cancel

You can search for person using the searching box.

Persons

Search

Add person

Search persons:

Pitt

Search

By clicking “Delete” you delete a person.

48	Bonnie Bedelia	Edit	Delete
38	Bonnie Hunt	Edit	Delete
214	Brad Garrett	Edit	Delete
227	Brad Lewis	Edit	Delete
310	Brad Pitt	Edit	Delete
257	Brandon Call	Edit	Delete

## 2.4 Genres

By clicking “Genres” you can see the information about the genres: genre ID, genre name in alphabetical order and number of movies in a genre.

Management Storage Content Encoder Billing Admin Logout					
Genres		Movies Packages Persons <b>Genres</b> Content Providers	Search <span>▼</span> <span>➕ Add genre</span>		
ID	Name	Movies count		Edit	Delete
20	Action	16		Edit	Delete
21	Adventure	25		Edit	Delete
17	Animation	17		Edit	Delete
38	Biography	1		Edit	Delete
18	Comedy	26		Edit	Delete
26	Crime	7		Edit	Delete
36	Documentary	1		Edit	Delete

By clicking “Add genre” you add a new genre.

Genres		Search <span>▼</span> <span>➕ Add genre</span>			
ID	Name	Movies count		Edit	Delete
20	Action	16		Edit	Delete
21	Adventure	25		Edit	Delete
17	Animation	17		Edit	Delete

Fill in a genre name.

Add Genre

Name

Add

Cancel

You find a new genre sorted to alphabetical order. Click on “Edit”.

36	Documentary	1	Edit	Delete
28	Drama	14	Edit	Delete
19	Family		Edit	Delete
32	Fantasy	8	Edit	Delete
43	For children	0	Edit	Delete
25	Horror	4	Edit	Delete



By clicking “Change” you can edit genre name.

Edit Genre

Name

For children

Change

Cancel

You can search for genre using the searching box.

Genres

Search

Add genre

Search genres:

Crime

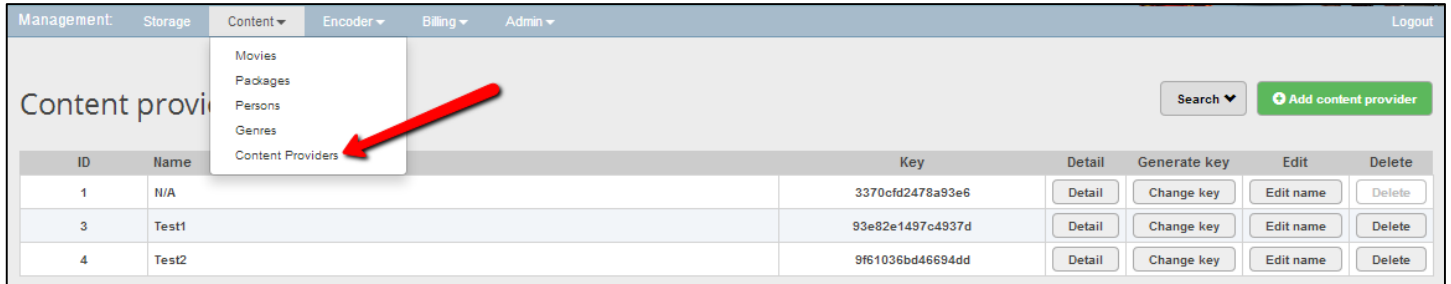
Search

By clicking “Delete” you delete a genre.

28	Drama	14	Edit	Delete
19	Family	7	Edit	Delete
32	Fantasy	8	Edit	Delete
43	For children	0	Edit	Delete
25	Horror	4	Edit	Delete

## 2.5 Content providers

By clicking “Content provider” you can see the information about the providers: provider ID, provider name in alphabetical order and the key that is used for seeing the movie statistics.



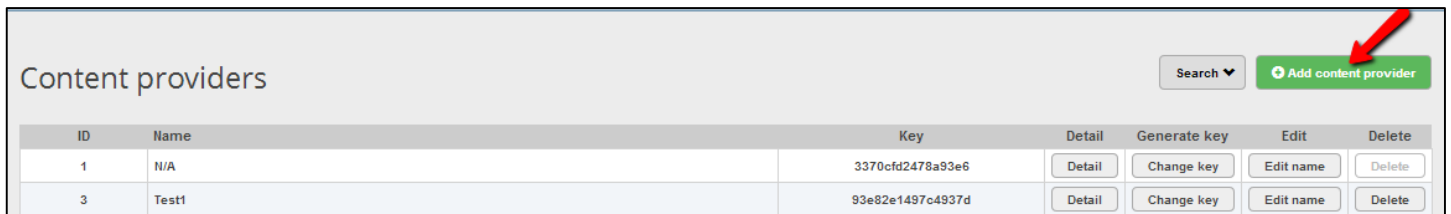
Management: Storage Content Encoder Billing Admin Logout

Content providers

Search Add content provider

ID	Name	Key	Detail	Generate key	Edit	Delete
1	N/A	3370cfd2478a93e6	Detail	Change key	Edit name	Delete
3	Test1	93e82e1497c4937d	Detail	Change key	Edit name	Delete
4	Test2	9f61036bd46694dd	Detail	Change key	Edit name	Delete

By clicking “Add provider” you add a new provider.

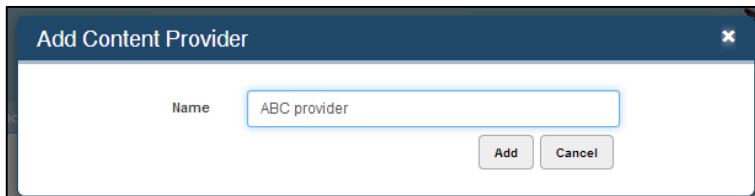


Content providers

Search Add content provider

ID	Name	Key	Detail	Generate key	Edit	Delete
1	N/A	3370cfd2478a93e6	Detail	Change key	Edit name	Delete
3	Test1	93e82e1497c4937d	Detail	Change key	Edit name	Delete

Fill in a provider name.

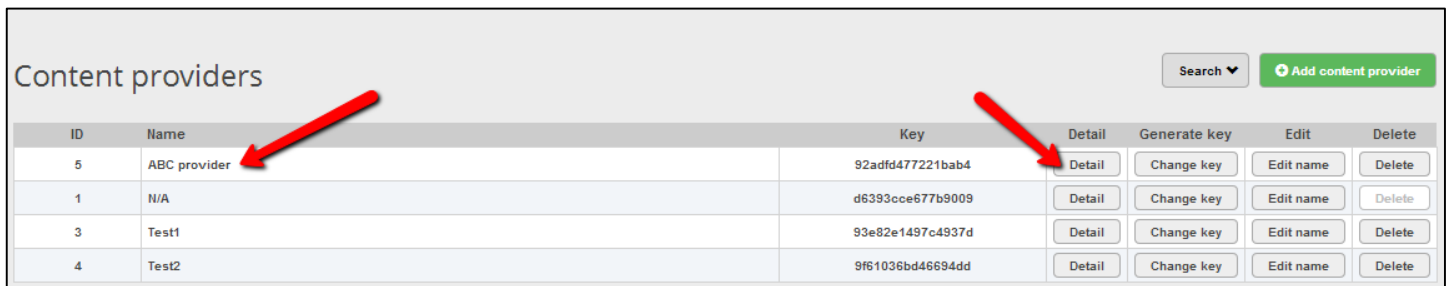


Add Content Provider

Name ABC provider

Add Cancel

You find a new provider sorted to alphabetical order. Click on “Detail”.



Content providers

Search Add content provider

ID	Name	Key	Detail	Generate key	Edit	Delete
5	ABC provider	92adfd477221bab4	Detail	Change key	Edit name	Delete
1	N/A	d6393cce677b9009	Detail	Change key	Edit name	Delete
3	Test1	93e82e1497c4937d	Detail	Change key	Edit name	Delete
4	Test2	9f61036bd46694dd	Detail	Change key	Edit name	Delete

You can see the movies from the provider.

There are the details about these movies: movie ID, movie title, original movie title, movie length, IMDb rating, release date, billing group, billing type and if the movie is public (=if the movie is visible on the box or not).

Detail of content provider: N/A Search

ID	Title	Original Title	Length	IMDb rating:	Release:	Billing group:	Billing type:	Public:
57	'Gangnam Style' by Psy	'Gangnam Style' by Psy	12 min	6.7	16.10.2012	Basic	Free	✓
63	A Bug's Life	A Bug's Life	95 min	7.2	25.11.1998	Basic	Free	✗
34	After Earth	After Earth	100 min	5.0	31.05.2013	Basic	Pay per minute	✓
43	Age of Heroes	Age of Heroes	90 min	5.6	20.05.2011	Premium	Pay per minute	✓
30	Alarm für Cobra 11 - Die Autobahnpolizei	Alarm für Cobra 11 - Die Autobahnpolizei	90 min	6.1	12.03.1996	Basic	Pay per view	✓
62	Anchorman 2: The Legend Continues	Anchorman 2: The Legend Continues	119 min	6.5	18.12.2013	Test	Pay per minute	✓

By clicking "Change key" you automatically change the key that is used for seeing the movie statistics.

Content providers Search Add content provider

ID	Name	Key	Detail	Generate key	Edit	Delete
5	ABC provider	442b63d9444a30ff	<a href="#">Detail</a>	<a href="#">Change key</a>	<a href="#">Edit name</a>	<a href="#">Delete</a>
1	N/A	d6393cce677b9009	<a href="#">Detail</a>	<a href="#">Change key</a>	<a href="#">Edit name</a>	<a href="#">Delete</a>
3	Test1	93e82e1497c4937d	<a href="#">Detail</a>	<a href="#">Change key</a>	<a href="#">Edit name</a>	<a href="#">Delete</a>

By clicking "Edit name" you can edit provider name.

Edit Content Provider ×

Name

[Change](#) [Cancel](#)

You can search for content provider using the searching box.

Content providers Search Add content provider

Search content providers:  [Search](#)

ID	Name	Key	Detail	Generate key	Edit	Delete
5	ABC provider	92adfd477221bab4	<a href="#">Detail</a>	<a href="#">Change key</a>	<a href="#">Edit name</a>	<a href="#">Delete</a>
1	N/A	d6393cce677b9009	<a href="#">Detail</a>	<a href="#">Change key</a>	<a href="#">Edit name</a>	<a href="#">Delete</a>
3	Test1	93e82e1497c4937d	<a href="#">Detail</a>	<a href="#">Change key</a>	<a href="#">Edit name</a>	<a href="#">Delete</a>

By clicking “Delete” you delete a content provider.

Content providers

Search
Add content provider

ID	Name	Key	Detail	Generate key	Edit	Delete
5	ABC provider	92adfd477221bab4	Detail	Change key	Edit name	Delete
1	N/A	d6393cce677b9009	Detail	Change key	Edit name	Delete
3	Test1	93e82e1497c4937d	Detail	Change key	Edit name	Delete
4	Test2	9f61036bd46694dd	Detail	Change key	Edit name	Delete

### 3. Encoder





Encoders are used for encoding the movies from common format (avi, mpg, iso...) to the encrypted HLS format.

There are four options: Encoders, profiles, advanced profiles and multiprofiles.







#### 3.1 Encoders

By clicking “Encoders” you can see the information about the encoders: Encoder ID, encoder name, encoder IP, source capacity (usage of sources folder), encoded capacity (usage of folder for storing encoded movies), load, tx, information about encoder availability and encoder status (ready, stopped or encoding).

Encoders <span>Add encoder</span>											
ID	Name	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Edit	Detail	Delete
1	First	10.252.61.10	 35 GB /57.06 GB	 7 GB /28.49 GB	 0.16 /8 cores	 0.09 /900	Yes	Ready	Edit	Detail	Delete
3	Second	10.254.1.31	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete
4	Third	10.252.61.12	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete
6	Fourth	255.255.255.255	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete

By clicking “Add encoder” you add a new encoder.

Encoders <span>Add encoder</span>											
ID	Name	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Edit	Detail	Delete
1	First	10.252.61.10	 35 GB /57.06 GB	 7 GB /28.49 GB	 0.16 /8 cores	 0.09 /900	Yes	Ready	Edit	Detail	Delete

Fill in encoder name and its IP.

Add Encoder

Name

Ip





Add

Cancel

By clicking “Edit” you edit the existing encoder. You can edit its name and IP.

Encoders





[Add encoder](#)

ID	Name	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Edit	Detail	Delete
1	First	10.252.61.10	 35 GB / 57.06 GB	 7 GB / 28.49 GB	 0.00 / 8 cores	 0.04 / 900	Yes	Ready	Edit	Detail	Delete
3	Second	10.254.1.31	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete
4	Third	10.252.61.12	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete
6	Fourth	255.255.255.255	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete

By clicking “Detail” you can see the encoder details.





Encoders

[Add encoder](#)

ID	Name	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Edit	Detail	Delete
1	First	10.252.61.10	 35 GB / 57.06 GB	 7 GB / 28.49 GB	 0.00 / 8 cores	 0.04 / 900	Yes	Ready	Edit	Detail	Delete





You can see the encoder ID, encoder IP, sources capacity (usage of sources folder), encoded capacity (usage of folder for storing the encoded movies), load, tx, encoder availability and encoder status (ready, stopped or encoding).

Encoder: First

ID	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Start/Stop	Add movie
1	10.252.61.10	 35 GB / 57.06 GB	 7 GB / 28.49 GB	 0.00 / 8 cores	 0.07 / 900	Yes	Ready	Stop Encoder	Add Movies For Encoding





By clicking “Start Encoding” you start encoding.

Encoder: First





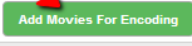
ID	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Start/Stop	Add movie
1	10.252.61.10	 35 GB / 57.06 GB	 7 GB / 28.49 GB	 0.00 / 8 cores	 0.49 / 900	Yes	Stopped	Start Encoder	Add Movies For Encoding

By clicking “Stop Encoding” you stop encoding.

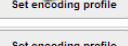
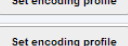
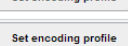
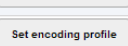

Encoder: First

ID	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Start/Stop	Add movie
1	10.252.61.10	 35 GB / 57.06 GB	 7 GB / 28.49 GB	 0.00 / 8 cores	 0.04 / 900	Yes	Ready	Stop Encoder	Add Movies For Encoding

“Add movies for encoding” displays files in your source data directory. You can select the movie for the encoding process.

ID	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Start/Stop	Add movie
1	10.252.61.10	 35 GB /57.06 GB	 7 GB /28.49 GB	 0.00 /8 cores	 0.04 /900	Yes	Ready	Stop Encoder	

By clicking “Set encoding profile” the following form will display with these items:

Encoder files:	
File	Set encoding profile
videoplayback.mp4	
upside_down.mkv	
transformers.mp4	
testencrypt	
simpsons.mp4	

Edit content for "videoplayback.mp4"

Content: 'Gangnam Style' by Psy  
App: Only Segmentate  
Profile: Source  
Advanced Profile: Source  
Trailer: ☐  
Storages (Multiple choice: CTRL and click): dev2 test, Test 2  
Save Cancel

Content: is used for adding a movie from content to the selected file

App: is used for selecting the program for encoding: Only segmentate, only encrypt, AV, VLC or HandBrake.

Only segmentate: Firstly encoder segments a movie into the parts and then it encrypts a movie

Only encrypt: The encoder encrypts a movie (under one condition: a movie must be segmented)

AV, VLC and HandBrake – the applications for encoding

Profile: is used for selecting an encoding profile for a movie

Advanced profile: is used for selecting an advanced encoding profile for a movie

Trailer: a tick means it is a trailer

Storages: storages where the encoded movies are placed (after encoding process)

**Note:** profiles and advance profiles can be set only in AV, VLC and HandBrake application.

By clicking “Detail” you can see the encoder details.

Encoders										
ID	Name	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Edit	Detail
1	First	10.252.61.10	35 GB / 57.06 GB	7 GB / 28.49 GB	2.71 / 8 cores	0.06 / 900	Yes	Ready	Edit	Detail

The filter has 4 options:

Queue – content that is waiting for encoding or is in the process of encoding

Finished – content that has finished encoding without errors

Errors – content that has finished encoding with some errors

All – all encoded content (queue + finished + errors)

ID	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Start/Stop	Add movie
1	10.252.61.10	35 GB / 57.06 GB	7 GB / 28.49 GB	0.01 / 8 cores	0.01 / 900	Yes	Ready	Stop Encoder	Add Movies For Encoding

Filter: Queue Finished Errors All												
ID	File	Content	Type	Profile	Adv Profile	App	Upload Storages	Progress	Playlist	Log	Edit	Unset
588	614-1610-0006-9075-1.mov	RTVS4	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
587	614-1610-0006-9090-1.mov	RTVS3	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
586	614-1610-0006-9217-1.mxf	RTVS2	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset

By clicking “Queue” you can see the files queue for encoding: priority (you change it by arrows), ID, file, content, type (trailer or movie), profile, advanced profile, app (OS/OE/VLC/AV/HandBrake), upload storage (the storage where the encoded movie will be copied) and transcoding progress.

Filter: Queue Finished Errors All												
Current encoding:												
Priority	ID	File	Content	Type	Profile	Adv Profile	App	Upload Storages	Transcoding progress	Edit	Unset	
1	589	ralph_wreck_it.mp4	Harry Potter and the Chamber of Secrets	Movie	Profile Testovaci2	Test3	VLC		Encoding 4% (6min 6sec)	Edit	Unset	

Encoder queue:												
Priority	ID	File	Content	Type	Profile	Adv Profile	App	Upload Storages	Progress	Edit	Unset	
2	590	simpsons.mp4	Cars	Movie	Profile Testovaci	Default	VLC		Waiting 0% (00:00:00)	Edit	Unset	



By clicking “Finished” you can see the finished files: ID, file, content, type (trailer or movie), profile, advanced profile, app (OS/OE/VLC/AV/HandBrake), upload storage (the storage where the encoded movie will be copied), transcoding progress, playlist (link to movie) and log (info about encoding).

Filter: Queue Finished Errors All												
ID	File	Content	Type:	Profile	Adv Profile	App	Upload Storages	Progress	Playlist	Log	Edit	Unset
588	614-1610-0006-9075-1.mov	RTVS4	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
587	614-1610-0006-9090-1.mov	RTVS3	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
586	614-1610-0006-9217-1.mxf	RTVS2	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
581	stv1-20140805-pocasio-2010.mp4	Harry Potter and the Sorcerer's Stone	Movie	Profile Source	Source	OS	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset

By clicking “Errors” you can see the content that has finished encoding with some errors: ID, file, content, type (trailer or movie), profile, advanced profile, app (OS/OE/VLC/AV/HandBrake), upload storage (the storage where the encoded movie will be copied), transcoding progress and log (info about encoding).

Filter:											
Queue		Finished		Errors		All					
ID	File	Content	Type:	Profile	Adv Profile	App	Upload Storages	Progress	Log	Edit	Unset
564	gangnamstyle.mp4	Cars 2	Movie	Profile Source	Source	OE		Error -1% (00:00:00)	OK	Edit	Unset
545	simpsons.mp4	'Gangnam Style' by Psy	Movie	Profile Source	Source	OE		Error -1% (00:00:00)	OK	Edit	Unset

By clicking “All” you can see all encoded content: ID, file, content, type (trailer or movie), profile, advanced profile, app (OS/OE/VLC/AV/HandBrake), upload storage (the storage where the encoded movie will be copied), transcoding progress, playlist (link to movie) and log (info about encoding).

Filter: Queue Finished Errors All												
ID	File	Content	Type:	Profile	Adv Profile	App	Upload Storages	Progress	Playlist	Log	Edit	Unset
590	simpsons.mp4	Cars	Movie	Profile Testovac1	Default	VLC		Waiting 0% (00:00:00)	-	-	Edit	Unset
589	ralph_wreck_it.mp4	Harry Potter and the Chamber of Secrets	Movie	Profile Testovac2	Test3	VLC		Encoding 28% (4min 59sec)	OK	OK	Edit	Unset
588	614-1610-0006-9075-1.mov	RTVS4	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
587	614-1610-0006-9090-1.mov	RTVS3	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
586	614-1610-0006-9217-1.mxf	RTVS2	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
581	stv1-20140805-pocasio-2010.mp4	Harry Potter and the Sorcerer's Stone	Movie	Profile Source	Source	OS	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
580	stv1-20140805-spravy-rtvs-1900.mp4	Harry Potter and the Prisoner of Azkaban	Movie	Profile Source	Source	OS	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
579	stv2-20140805-spravy-hirek-1835.mp4	Harry Potter and the Chamber of Secrets	Movie	Profile Source	Source	OS	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
578	614-1610-0006-9216-1.mxf	RTVS	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
564	gangnamstyle.mp4	Cars 2	Movie	Profile Source	Source	OE		Error -1% (00:00:00)	-	OK	Edit	Unset

By clicking “Edit” you edit:

Encoder: First

ID	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Start/Stop	Add movie
1	10.252.61.10	<div><div></div></div> 35 GB /57.05 GB	<div><div></div></div> 7 GB /28.48 GB	<div><div></div></div> 0.00 /8 cores	<div><div></div></div> 0.04 /900	Yes	Stopped	Start Encoder	Add Movies For Encoding

Filter:

Queue

Finished

Errors

All

ID	File	Content	Type:	Profile	Adv Profile	App	Upload Storages	Progress	Playlist	Log	Edit	Unset
588	614-1610-0006-9075-1.mov	RTVS4	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
587	614-1610-0006-9090-1.mov	RTVS3	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset

Content: is used for adding a movie from content to the selected file

App: is used for selecting the program for encoding: Only segmentate, only encrypt, AV, VLC or HandBrake.

Only segmentate: Firstly encoder segments a movie into the parts and then it encrypts a movie

Only encrypt: The encoder encrypts a movie (under one condition: a movie must be segmented)

AV, VLC and HandBrake – the applications for encoding

Profile: is used for selecting an encoding profile for a movie

Advanced profile: is used for selecting an advanced encoding profile for a movie

Trailer: a tick means it is a trailer

Storages: storages where the encoded movies are placed (after encoding process)

Edit content for file id 588

Content

RTVS4

App

VLC

Profile

2MBit

Advanced Profile

Source

Trailer

☐

Storages

dev2 test,

Add or remove

Save

Cancel

By clicking “Add or remove” you add or remove the storages for copying the content files.

Edit content for file id 588

Content

RTVS4

App

VLC

Profile

2MBit

Advanced Profile

Source

Trailer

Storages

dev2 test,

Add or remove

Save

Cancel

Add or remove storages:

Assigned:

dev2 test

Available:

Test 2

Done

By clicking “Unset” you unset the encoding task from the queue and you delete the encoded movie files from the server.

ID	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Start/Stop	Add movie
1	10.252.61.10	<div><div></div></div> 35 GB /57.05 GB	<div><div></div></div> 7 GB /28.48 GB	<div><div></div></div> 0.07 /8 cores	<div><div></div></div> 0.03 /900	Yes	Stopped	Start Encoder	Add Movies For Encoding

Filter: 

Queue

Finished

Errors

All

ID	File	Content	Type:	Profile	Adv Profile	App	Upload Storages	Progress	Playlist	Log	Edit	Unset
588	614-1610-0006-9075-1.mov	RTVS4	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset
587	614-1610-0006-9090-1.mov	RTVS3	Movie	Profile 2MBit	Default	VLC	dev2 test	Finished 100% (00:00:00)	OK	OK	Edit	Unset

By clicking “Delete” you delete the encoder.

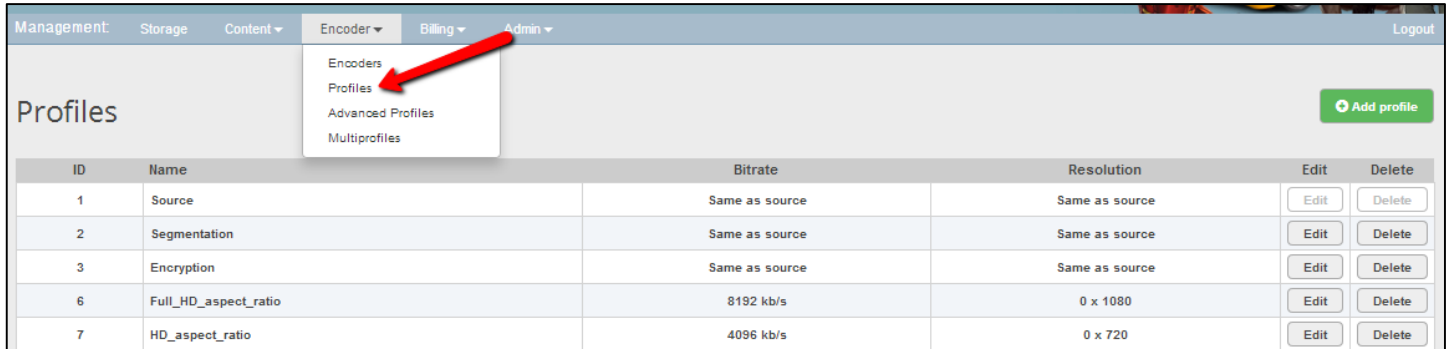
Encoders

Add encoder

ID	Name	Encoder IP	Sources capacity:	Encoded capacity:	Load	Tx	Available	Status	Edit	Detail	Delete
1	First	10.252.61.10	<div><div></div>35 GB /57.05 GB</div>	<div><div></div>7 GB /28.48 GB</div>	<div><div></div>0.03 /8 cores</div>	<div><div></div>0.05 /900</div>	Yes	Stopped	Edit	Detail	Delete
3	Second	10.254.1.31	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete
4	Third	10.252.61.12	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete
6	Fourth	255.255.255.255	N/A	N/A	N/A	N/A	No	N/A	Edit	Detail	Delete

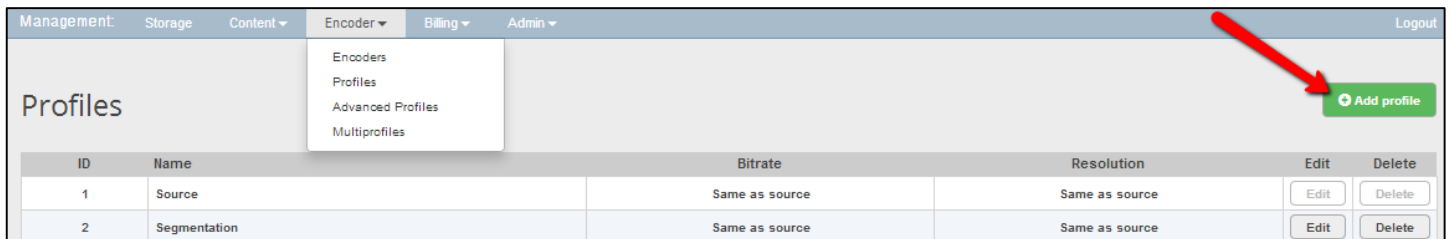
## 3.2 Profiles

By clicking “Profiles” you can see the information about the profiles: profile ID, profile name and output video bitrate and resolution.



ID	Name	Bitrate	Resolution	Edit	Delete
1	Source	Same as source	Same as source	<a href="#">Edit</a>	<a href="#">Delete</a>
2	Segmentation	Same as source	Same as source	<a href="#">Edit</a>	<a href="#">Delete</a>
3	Encryption	Same as source	Same as source	<a href="#">Edit</a>	<a href="#">Delete</a>
6	Full_HD_aspect_ratio	8192 kb/s	0 x 1080	<a href="#">Edit</a>	<a href="#">Delete</a>
7	HD_aspect_ratio	4096 kb/s	0 x 720	<a href="#">Edit</a>	<a href="#">Delete</a>

By clicking “Add profile” you add a new profile.



ID	Name	Bitrate	Resolution	Edit	Delete
1	Source	Same as source	Same as source	<a href="#">Edit</a>	<a href="#">Delete</a>
2	Segmentation	Same as source	Same as source	<a href="#">Edit</a>	<a href="#">Delete</a>

Fill in profile name, bitrate, res(x) and res(y) (resolution). If you add 0 on res(x) and some number on res(y) the encoder will fill res (x) by aspect ratio of source content. If you add 0 on both resolution parameters the encoder will use resolution from source content.

Add Profile

Name

Bitrate

Res(x)

Res(y)

Add

By clicking “Edit” you edit the existing profile.

### Profiles

Add profile

ID	Name	Bitrate	Resolution	Edit	Delete
1	Source	Same as source	Same as source	Edit	Delete
2	Segmentation	Same as source	Same as source	Edit	Delete
3	Encryption	Same as source	Same as source	Edit	Delete
6	Full_HD_aspect_ratio	8192 kb/s	0 x 1080	Edit	Delete

You can edit profile name, bitrate, res(x) and res(y). If you add 0 on res(x) and some number on res(y) the encoder will fill res (x) by aspect ratio of source content. If you add 0 on both resolution parameters the encoder will use resolution from source content.

### Edit Profile

Name

Bitrate

Res(x)

Res(y)

Change

By clicking “Delete” you delete the profile.

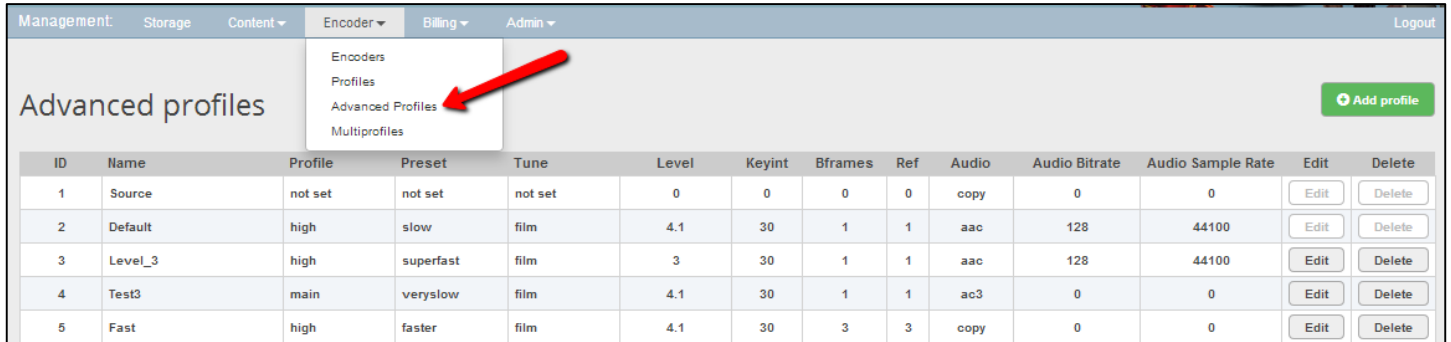
### Profiles

Add profile

ID	Name	Bitrate	Resolution	Edit	Delete
1	Source	Same as source	Same as source	Edit	Delete
2	Segmentation	Same as source	Same as source	Edit	Delete
3	Encryption	Same as source	Same as source	Edit	Delete

### 3.3 Advanced profiles

By clicking “Advanced profiles” you can see the information about the advanced profiles: advanced profile ID, advanced profile name and advanced profile encoding settings (preset, tune, level etc).



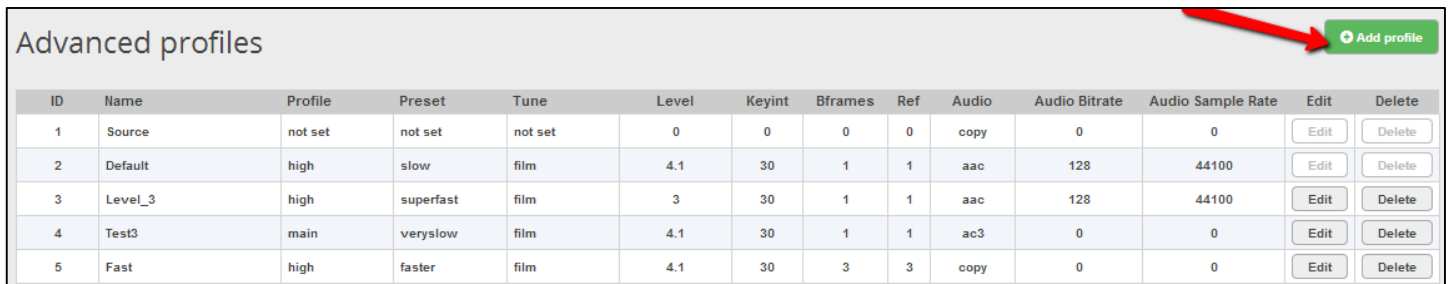
Management: Storage Content Encoder Billing Admin Logout

Advanced profiles Add profile

- Encoders
- Profiles
- Advanced Profiles
- Multiprofiles

ID	Name	Profile	Preset	Tune	Level	Keyint	Bframes	Ref	Audio	Audio Bitrate	Audio Sample Rate	Edit	Delete
1	Source	not set	not set	not set	0	0	0	0	copy	0	0	Edit	Delete
2	Default	high	slow	film	4.1	30	1	1	aac	128	44100	Edit	Delete
3	Level_3	high	superfast	film	3	30	1	1	aac	128	44100	Edit	Delete
4	Test3	main	veryslow	film	4.1	30	1	1	ac3	0	0	Edit	Delete
5	Fast	high	faster	film	4.1	30	3	3	copy	0	0	Edit	Delete

By clicking “Add profile” you add a new advanced profile.



Advanced profiles Add profile

ID	Name	Profile	Preset	Tune	Level	Keyint	Bframes	Ref	Audio	Audio Bitrate	Audio Sample Rate	Edit	Delete
1	Source	not set	not set	not set	0	0	0	0	copy	0	0	Edit	Delete
2	Default	high	slow	film	4.1	30	1	1	aac	128	44100	Edit	Delete
3	Level_3	high	superfast	film	3	30	1	1	aac	128	44100	Edit	Delete
4	Test3	main	veryslow	film	4.1	30	1	1	ac3	0	0	Edit	Delete
5	Fast	high	faster	film	4.1	30	3	3	copy	0	0	Edit	Delete

Fill in advanced profile name and advanced profile encoding settings (preset, tune, level etc).

Add Profile

Name

Name

Profile

not set

Preset

not set

Tune

not set

Level

1

Keyint

Keyint

Bframes

Bframes

Ref

Ref

Audio

aac

Audio bitrate

0

Audio sample rate

0

Add

Cancel

By clicking “Edit” you edit the existing advanced profile.

Advanced profiles												Add profile	
ID	Name	Profile	Preset	Tune	Level	Keyint	Bframes	Ref	Audio	Audio Bitrate	Audio Sample Rate	Edit	Delete
1	Source	not set	not set	not set	0	0	0	0	copy	0	0	Edit	Delete
2	Default	high	slow	film	4.1	30	1	1	aac	128	44100	Edit	Delete
3	Level_3	high	superfast	film	3	30	1	1	aac	128	44100	Edit	Delete
4	Test3	main	veryslow	film	4.1	30	1	1	ac3	0	0	Edit	Delete
5	Fast	high	faster	film	4.1	30	3	3	copy	0	0	Edit	Delete

You can edit advanced profile name and advanced profile encoding settings (preset, tune, level etc).

Edit Advanced Profile

Name

Level\_3

Profile

high

Preset

superfast

Tune

film

Level

3

Keyint

30

Bframes

1

Ref

1

Audio

aac

Audio bitrate

0

Audio sample rate

0

Change

Cancel

By clicking “Delete” you delete the advanced profile.

Advanced profiles												Add profile	
ID	Name	Profile	Preset	Tune	Level	Keyint	Bframes	Ref	Audio	Audio Bitrate	Audio Sample Rate	Edit	Delete
1	Source	not set	not set	not set	0	0	0	0	copy	0	0	Edit	Delete
2	Default	high	slow	film	4.1	30	1	1	aac	128	44100	Edit	Delete
3	Level_3	high	superfast	film	3	30	1	1	aac	128	44100	Edit	Delete
4	Test3	main	veryslow	film	4.1	30	1	1	ac3	0	0	Edit	Delete
5	Fast	high	faster	film	4.1	30	3	3	copy	0	0	Edit	Delete



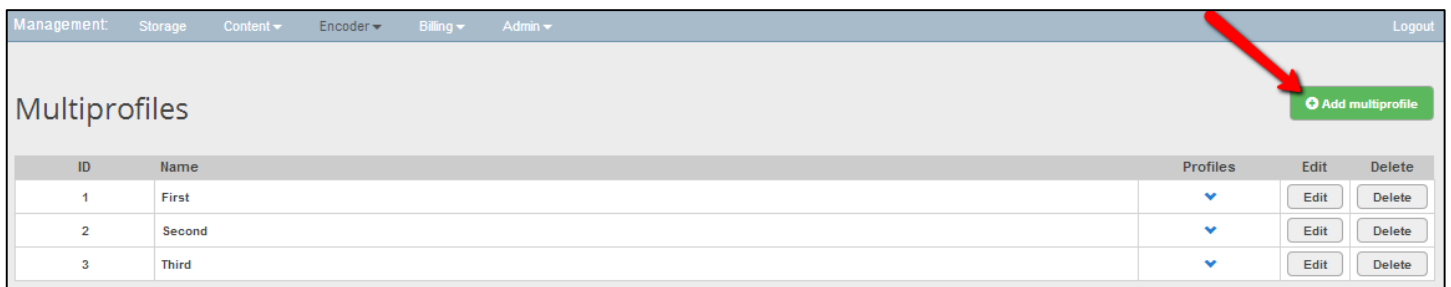
### 3.4 Multiprofiles

By clicking “Multiprofiles” you can see the information about the multiprofiles: multiprofile ID and multiprofile name and the profiles that multiprofile contains.



ID	Name	Profiles	Edit	Delete
1	First	<div> <div>HD_aspect_ratio</div> <div>Segmentation</div> <div>Testovaci</div> </div>	Edit	Delete
2	Second		Edit	Delete
3	Third		Edit	Delete

By clicking “Add multiprofile” you add a new multiprofile.



ID	Name	Profiles	Edit	Delete
1	First		Edit	Delete
2	Second		Edit	Delete
3	Third		Edit	Delete

Fill in multiprofile name.

Add Multiprofile

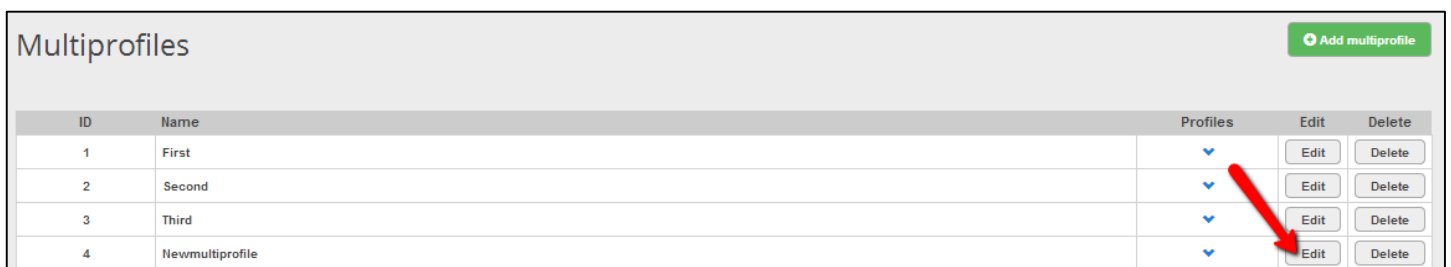
Name

Multiprofile name

Add

Cancel

By clicking “Edit” you edit the existing mutliprofile.



ID	Name	Profiles	Edit	Delete
1	First		Edit	Delete
2	Second		Edit	Delete
3	Third		Edit	Delete
4	Newmultiprofile		Edit	Delete

You can edit multiprofile name or you can add or remove the profiles.

Edit Multiprofile

Name

Profile

Add or remove

Change

Cancel

Add or remove profiles

Assigned:

Available:

2MBit

8Mbit

DVD1

Encryption

Full\_HD\_aspect\_ratio

HD\_aspect\_ratio

iphone\_aspect\_ratio

Segmentation

Source

Testovaci

Testovaci2

Done

By clicking "Delete" you delete the multiprofile.

Multiprofiles

Add multiprofile

ID	Name	Profiles	Edit	Delete
1	First	▼	Edit	Delete
2	Second	▼	Edit	Delete
3	Third	▼	Edit	Delete

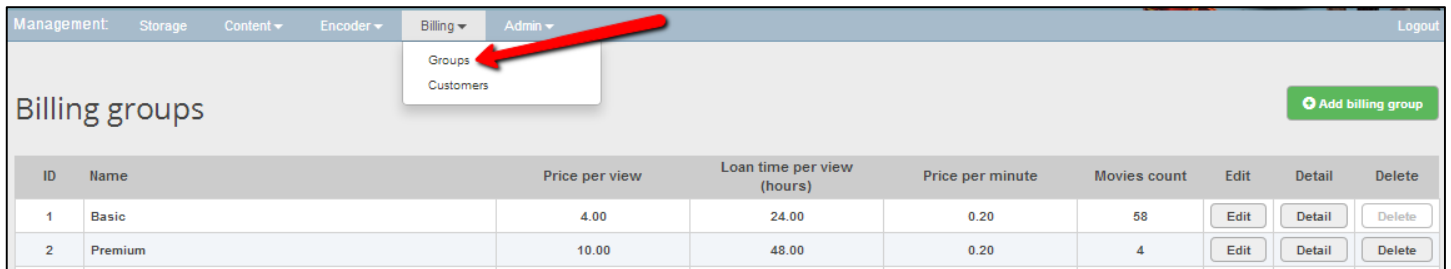
## 4. Billing

Billing is used for setting the prices for the movies and for setting the customer details.

There are two options: Groups and Customers.

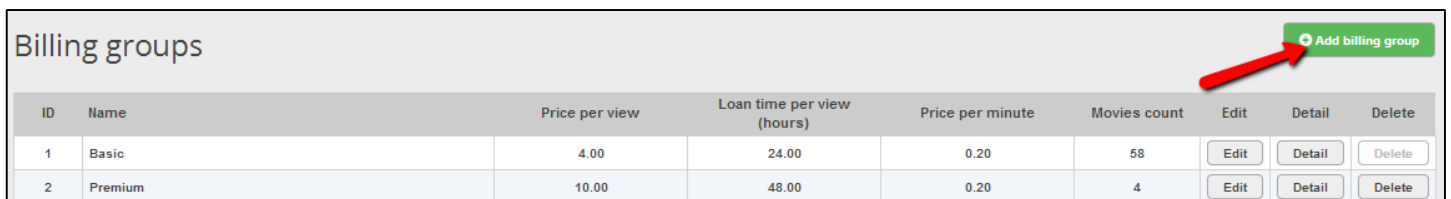
### 4.1 Groups

By clicking “Groups” you can see the information about billing groups: group ID, group name, price per view, loan time per view (in hours), price per minute and number of movies.



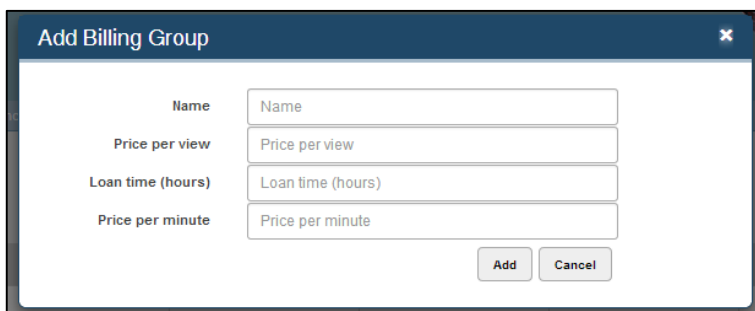
ID	Name	Price per view	Loan time per view (hours)	Price per minute	Movies count	Edit	Detail	Delete
1	Basic	4.00	24.00	0.20	58	Edit	Detail	Delete
2	Premium	10.00	48.00	0.20	4	Edit	Detail	Delete

By “Add billing group” you add a new billing group.



ID	Name	Price per view	Loan time per view (hours)	Price per minute	Movies count	Edit	Detail	Delete
1	Basic	4.00	24.00	0.20	58	Edit	Detail	Delete
2	Premium	10.00	48.00	0.20	4	Edit	Detail	Delete

Fill in billing group name, price per view, loan time (in hours) and price per minute.



**Add Billing Group**

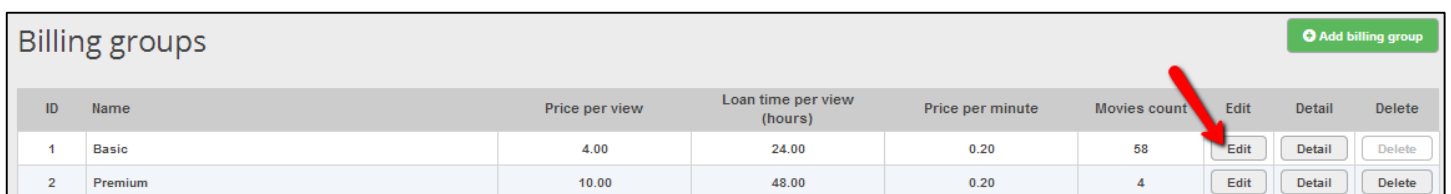
Name:

Price per view:

Loan time (hours):

Price per minute:

By clicking “Edit” you edit the existing billing group.



ID	Name	Price per view	Loan time per view (hours)	Price per minute	Movies count	Edit	Detail	Delete
1	Basic	4.00	24.00	0.20	58	Edit	Detail	Delete
2	Premium	10.00	48.00	0.20	4	Edit	Detail	Delete

You can edit billing group name, price per view, loan time and price per minute.

Edit Billing Group

Name

Basic

Price per view

4.00

Loan time (hours)

24.00

Price per minute

0.05

Change

By clicking "Detail" you can see the billing group details.

Billing groups

Add billing group

ID	Name	Price per view	Loan time per view (hours)	Price per minute	Movies count	Edit	Detail	Delete
1	Basic	4.00	24.00	0.20	58	Edit	Detail	Delete
2	Premium	10.00	48.00	0.20	4	Edit	Detail	Delete

There are the details about these movies: movie ID, movie title, original movie title, movie length, IMDb rating, release date, billing group, billing type and if the movie is public (=if the movie is visible on the box or not).

Detail of billing group: Basic

Search

ID	Title	Original Title	Length	IMDb rating	Release:	Billing group:	Billing type:	Public:
57	'Gangnam Style' by Psy	'Gangnam Style' by Psy	12 min	6.7	16.10.2012	Basic	Free	✓
63	A Bug's Life	A Bug's Life	95 min	7.2	25.11.1998	Basic	Free	✗
34	After Earth	After Earth	100 min	5.0	31.05.2013	Basic	Pay per minute	✓
30	Alarm für Cobra 11 - Die Autobahnpolizei	Alarm für Cobra 11 - Die Autobahnpolizei	90 min	6.1	12.03.1996	Basic	Pay per view	✓
16	Avatar	Avatar	162 min	8.0	18.12.2009	Basic	Pay per view	✗
45	Blood Car	Blood Car	76 min	5.5	02.03.2007	Basic	Free	✗
9	Cars	Cars	117 min	7.3	09.06.2006	Basic	Pay per view	✓

You can search for a movie using the searching box.

Detail of billing group: Basic

Search

Search movies:

Cars

Search

ID	Title	Original Title	Length	IMDb rating	Release:	Billing group:	Billing type:	Public:
57	'Gangnam Style' by Psy	'Gangnam Style' by Psy	12 min	6.7	16.10.2012	Basic	Free	✓
63	A Bug's Life	A Bug's Life	95 min	7.2	25.11.1998	Basic	Free	✗
34	After Earth	After Earth	100 min	5.0	31.05.2013	Basic	Pay per minute	✓
30	Alarm für Cobra 11 - Die Autobahnpolizei	Alarm für Cobra 11 - Die Autobahnpolizei	90 min	6.1	12.03.1996	Basic	Pay per view	✓
16	Avatar	Avatar	162 min	8.0	18.12.2009	Basic	Pay per view	✗

By clicking “Delete” you delete the billing group.

Billing groups

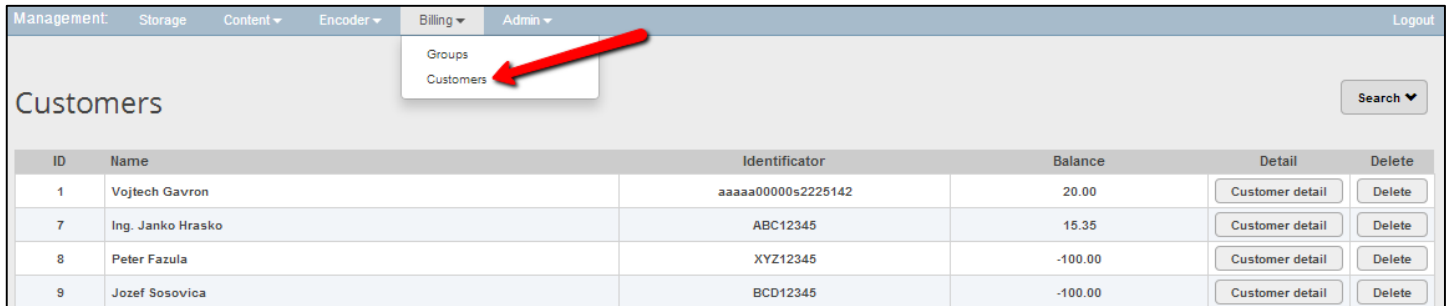
Add billing group

ID	Name	Price per view	Loan time per view (hours)	Price per minute	Movies count	Edit	Detail	Delete
1	Basic	4.00	24.00	0.20	58	Edit	Detail	Delete
2	Premium	10.00	48.00	0.20	4	Edit	Detail	Delete

## 4.2 Customers

By clicking “Customers” you can see the information about the customers. You can see customer ID, customer name, customer identifier and his balance.

**Note:** A new customer can be imported only from xml import file.



Management Storage Content Encoder Billing Admin Logout

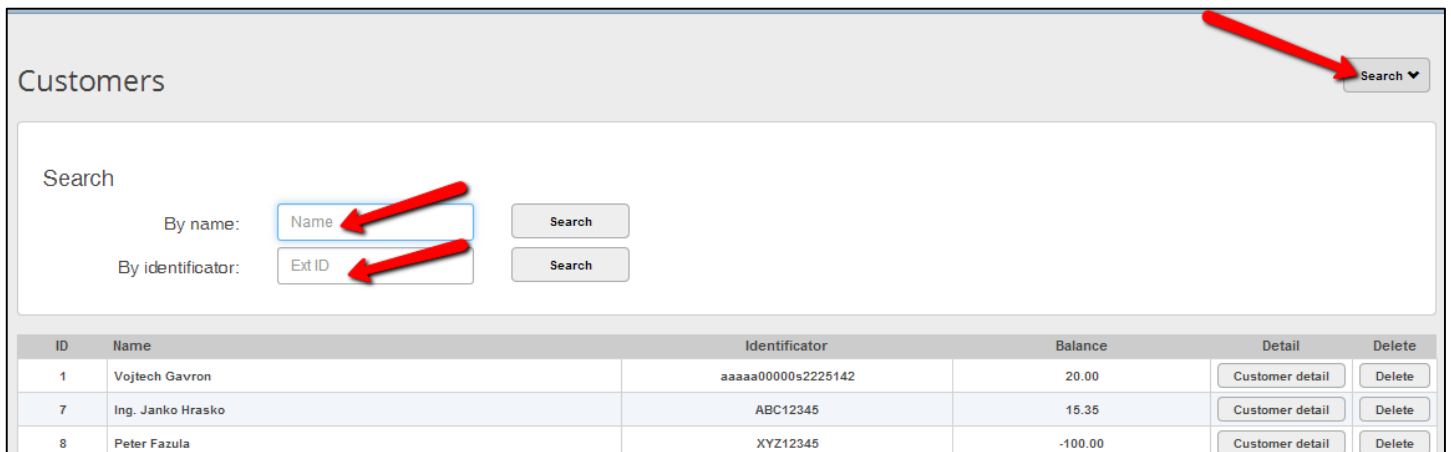
Groups Customers

### Customers

Search

ID	Name	Identifier	Balance	Detail	Delete
1	Vojtech Gavron	aaaaa0000s2225142	20.00	Customer detail	Delete
7	Ing. Janko Hrasko	ABC12345	15.35	Customer detail	Delete
8	Peter Fazula	XYZ12345	-100.00	Customer detail	Delete
9	Jozef Sosovica	BCD12345	-100.00	Customer detail	Delete

You can search for customer using the searching box.



### Customers

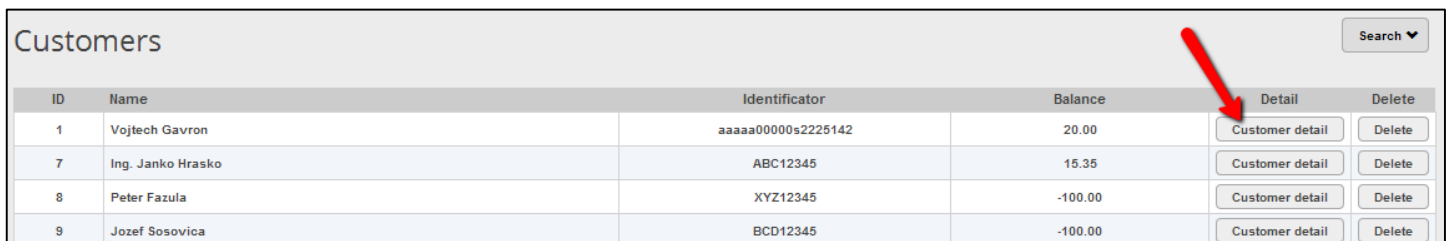
Search

By name:  Search

By identifier:  Search

ID	Name	Identifier	Balance	Detail	Delete
1	Vojtech Gavron	aaaaa0000s2225142	20.00	Customer detail	Delete
7	Ing. Janko Hrasko	ABC12345	15.35	Customer detail	Delete
8	Peter Fazula	XYZ12345	-100.00	Customer detail	Delete

By clicking “Customer detail” you can see the customer details.



### Customers

Search

ID	Name	Identifier	Balance	Detail	Delete
1	Vojtech Gavron	aaaaa0000s2225142	20.00	Customer detail	Delete
7	Ing. Janko Hrasko	ABC12345	15.35	Customer detail	Delete
8	Peter Fazula	XYZ12345	-100.00	Customer detail	Delete
9	Jozef Sosovica	BCD12345	-100.00	Customer detail	Delete

By clicking “Show overall” you can see the customer billing information.

Overall

Hide ▲

Identificator:	aaaaa0000s2225142
Balance to 23.01.2014 00:00:00:	20.00
Price of ordered content from 23.01.2014 00:00:00:	0.00
Actual Balance:	20.00
Account License:	prepaid
Actual Packages:	Basic

Back

By clicking “Show orders” you can see the customer orders sorted by date and time.

Orders

Hide ▲

From: 08.07.2014 14:37  
To: 07.08.2014 14:37

Today
Last Week
Last Month
Custom

Date and time	Title	Bill type	Expired	Time	Price	Total Price
2014-08-06 15:10:27	RTVS	0	06.08.2014 15:11:02	00:00:38	0.00	0.00
2014-08-06 15:08:15	Harry Potter and the Prisoner of Azkaban	0	06.08.2014 15:09:50	00:01:59	0.00	0.00
2014-08-06 15:07:25	RTVS2	0	06.08.2014 15:08:00	00:00:35	0.00	0.00
2014-08-06 15:06:35	RTVS	0	06.08.2014 15:07:11	00:00:38	0.00	0.00

By clicking “Delete” you delete the customer.

Customers

Search ▼

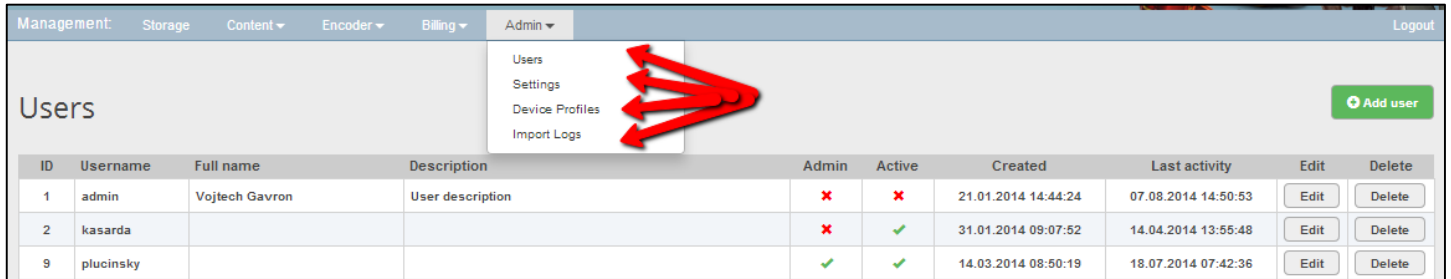
ID	Name	Identificator	Balance	Detail	Delete
1	Vojtech Gavron	aaaaa0000s2225142	20.00	Customer detail	Delete
7	Ing. Janko Hrasko	ABC12345	15.35	Customer detail	Delete
8	Peter Fazula	XYZ12345	-100.00	Customer detail	Delete

## 5. Admin

Admin is used for account management and the other settings.

There are four options: Users, settings, device profiles and import logs.

### 5.1 Users



Management: Storage Content Encoder Billing Admin Logout

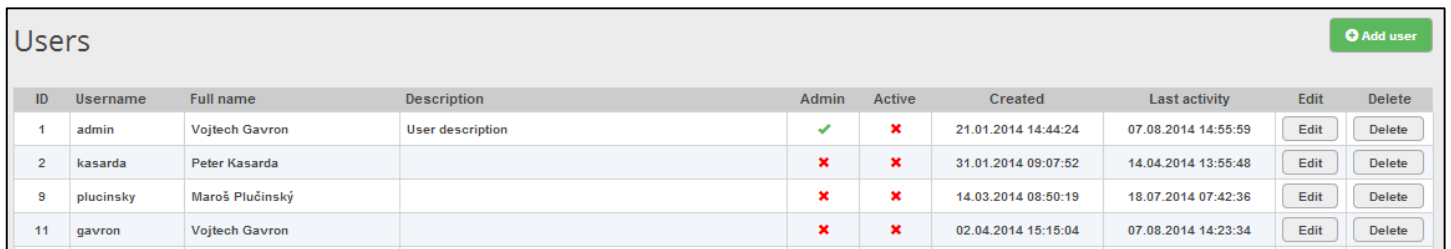
Users

Users Settings Device Profiles Import Logs

Add user

ID	Username	Full name	Description	Admin	Active	Created	Last activity	Edit	Delete
1	admin	Vojtech Gavron	User description	✗	✗	21.01.2014 14:44:24	07.08.2014 14:50:53	Edit	Delete
2	kasarda			✗	✓	31.01.2014 09:07:52	14.04.2014 13:55:48	Edit	Delete
9	plucinsky			✓	✓	14.03.2014 08:50:19	18.07.2014 07:42:36	Edit	Delete

By clicking “Users” you can see the information about the users: user’s ID, username, user’s full name, if the user is admin or not, if the user is active or not, the date when the user was created and his last activity.

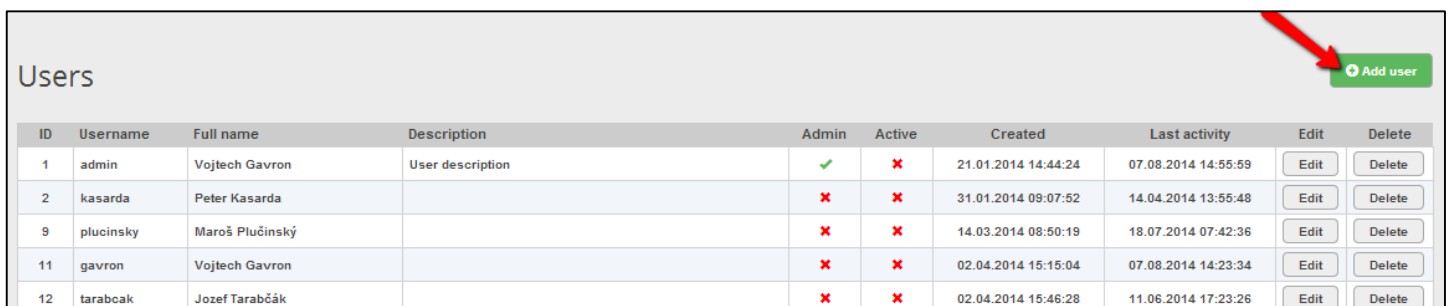


Users

Add user

ID	Username	Full name	Description	Admin	Active	Created	Last activity	Edit	Delete
1	admin	Vojtech Gavron	User description	✓	✗	21.01.2014 14:44:24	07.08.2014 14:55:59	Edit	Delete
2	kasarda	Peter Kasarda		✗	✗	31.01.2014 09:07:52	14.04.2014 13:55:48	Edit	Delete
9	plucinsky	Maroš Plučinský		✗	✗	14.03.2014 08:50:19	18.07.2014 07:42:36	Edit	Delete
11	gavron	Vojtech Gavron		✗	✗	02.04.2014 15:15:04	07.08.2014 14:23:34	Edit	Delete

By clicking “Add user” you add a new user.



Users

Add user

ID	Username	Full name	Description	Admin	Active	Created	Last activity	Edit	Delete
1	admin	Vojtech Gavron	User description	✓	✗	21.01.2014 14:44:24	07.08.2014 14:55:59	Edit	Delete
2	kasarda	Peter Kasarda		✗	✗	31.01.2014 09:07:52	14.04.2014 13:55:48	Edit	Delete
9	plucinsky	Maroš Plučinský		✗	✗	14.03.2014 08:50:19	18.07.2014 07:42:36	Edit	Delete
11	gavron	Vojtech Gavron		✗	✗	02.04.2014 15:15:04	07.08.2014 14:23:34	Edit	Delete
12	tarabcak	Jozef Tarabčák		✗	✗	02.04.2014 15:46:28	11.06.2014 17:23:26	Edit	Delete



Fill in username, password, user full name, his description, click if the user is a super admin (super admin can see the admin menu) and click if the user has active access.

Add User

Username

Username

Password

Password

Full name

Full name

Description

Description

Super admin

☐

Enabled

☐

Add

Cancel

By clicking "Edit" you edit the existing user.

Users

Add user

ID	Username	Full name	Description	Admin	Active	Created	Last activity	Edit	Delete
1	admin	Vojtech Gavron	User description	✓	✗	21.01.2014 14:44:24	07.08.2014 14:55:59	Edit	Delete
2	kasarda	Peter Kasarda		✗	✗	31.01.2014 09:07:52	14.04.2014 13:55:48	Edit	Delete
9	plucinsky	Maroš Plučinský		✗	✗	14.03.2014 08:50:19	18.07.2014 07:42:36	Edit	Delete
11	gavron	Vojtech Gavron		✗	✗	02.04.2014 15:15:04	07.08.2014 14:23:34	Edit	Delete
12	tarabock	Jozef Tarabčák		✗	✗	02.04.2014 15:46:28	11.06.2014 17:23:26	Edit	Delete

You can edit user name, his password and description, click if the user is a super admin (super admin can see the admin menu) and click if the user has active access.

Edit user with id 1

Full name

Vojtech Gavron

Password

Password

Description

User description

Super admin

☐

Enabled

☐

Change

Cancel

By clicking "Delete" you delete the user.

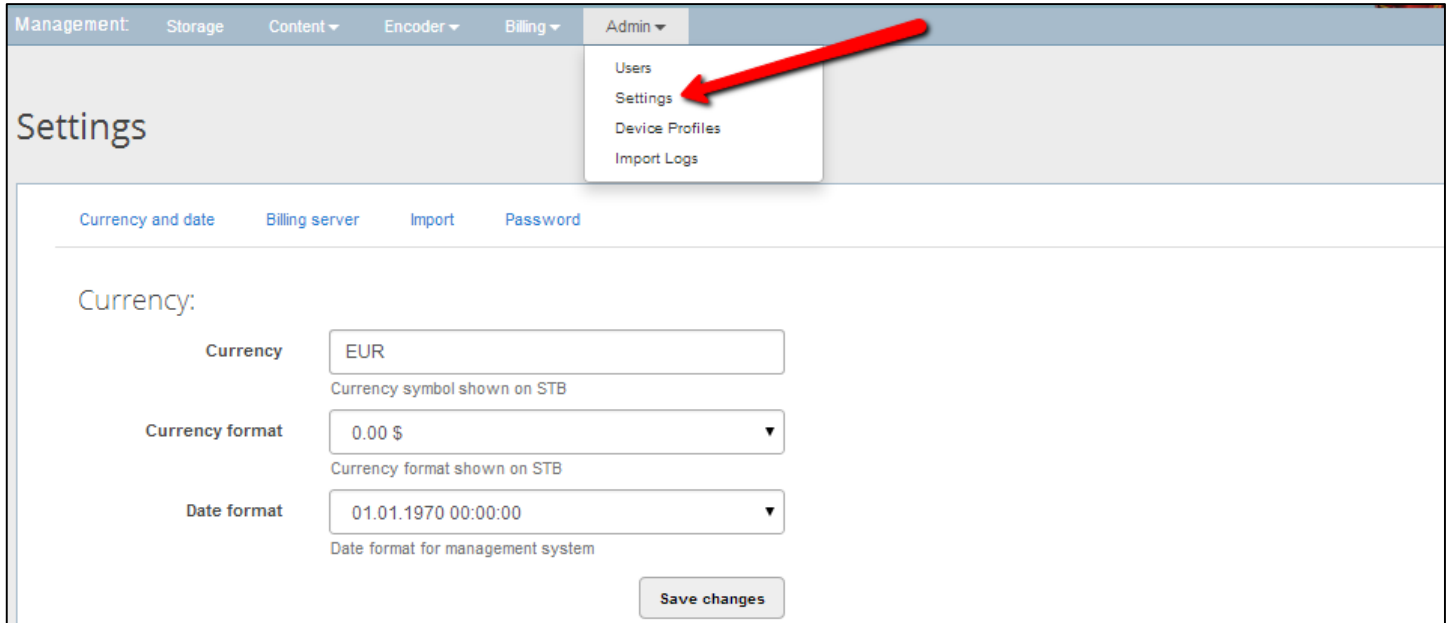
Users

Add user

ID	Username	Full name	Description	Admin	Active	Created	Last activity	Edit	Delete
1	admin	Vojtech Gavron	User description	✓	✗	21.01.2014 14:44:24	07.08.2014 15:01:32	Edit	Delete
2	kasarda	Peter Kasarda		✗	✗	31.01.2014 09:07:52	14.04.2014 13:55:48	Edit	Delete
9	plucinsky	Maroš Plučinský		✗	✗	14.03.2014 08:50:19	18.07.2014 07:42:36	Edit	Delete

## 5.2 Settings

By clicking “Settings” you can see the information about the settings of currency and date, billing server, the next import and api password.



Management: Storage Content Encoder Billing Admin

Settings

Currency and date Billing server Import Password

Currency:

Currency EUR

Currency symbol shown on STB

Currency format 0.00 \$

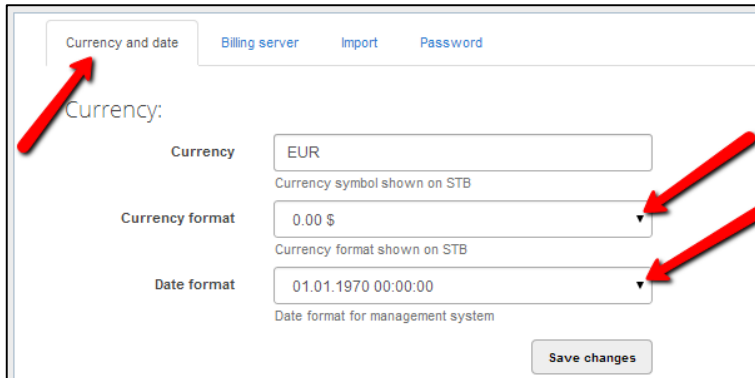
Currency format shown on STB

Date format 01.01.1970 00:00:00

Date format for management system

Save changes

By clicking “Currency and date” you change the currency and currency format that is shown on STB and date format that is written in management system. Write down the requested changes and click “Save changes”.



Currency and date Billing server Import Password

Currency:

Currency EUR

Currency symbol shown on STB

Currency format 0.00 \$

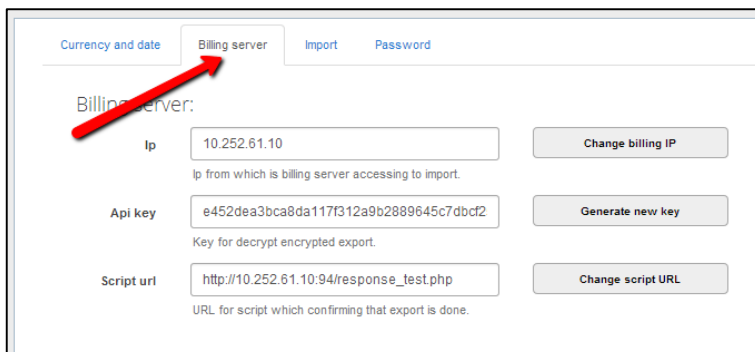
Currency format shown on STB

Date format 01.01.1970 00:00:00

Date format for management system

Save changes

By clicking “Billing server” you change the billing server IP which will be demanding for export, you generate a new api key and change script url. Write down the requested changes and click “Change”.



Currency and date Billing server Import Password

Billing server:

Ip 10.252.61.10

Change billing IP

Ip from which is billing server accessing to import.

Api key e452dea3bca8da117f312a9b2889645c7dbcf2

Generate new key

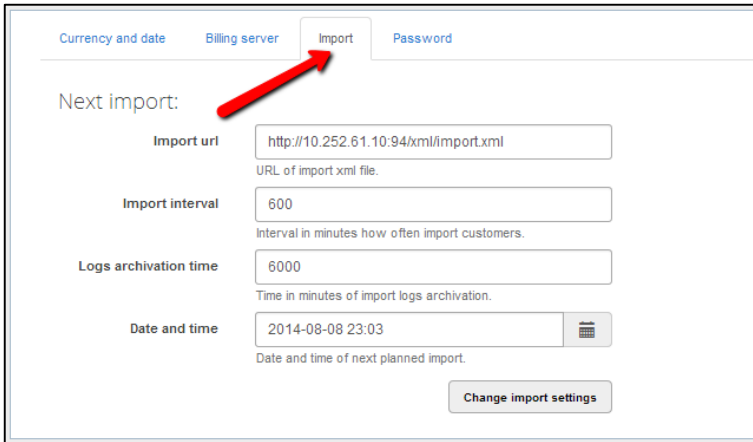
Key for decrypt encrypted export.

Script url http://10.252.61.10:94/response\_test.php

Change script URL

URL for script which confirming that export is done.

By clicking “Import” you change URL of import xml file, the import interval in minutes (how often VOD imports the customers), import logs archivation time in minutes and the date and time of the next customer import. Write down the requested changes and click on “Change import settings”.




Currency and date Billing server **Import** Password

Next import:

**Import url**   
URL of import xml file.

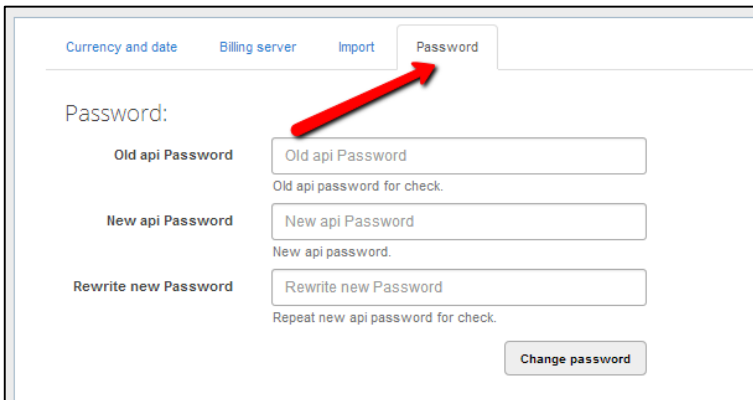
**Import interval**   
Interval in minutes how often import customers.

**Logs archivation time**   
Time in minutes of import logs archivation.

**Date and time**    
Date and time of next planned import.

[Change import settings](#)

By clicking “Password” you change api password. Write down current api password, new api password, rewrite new api password and click “Change password”.



Currency and date Billing server Import **Password**

Password:

**Old api Password**   
Old api password for check.

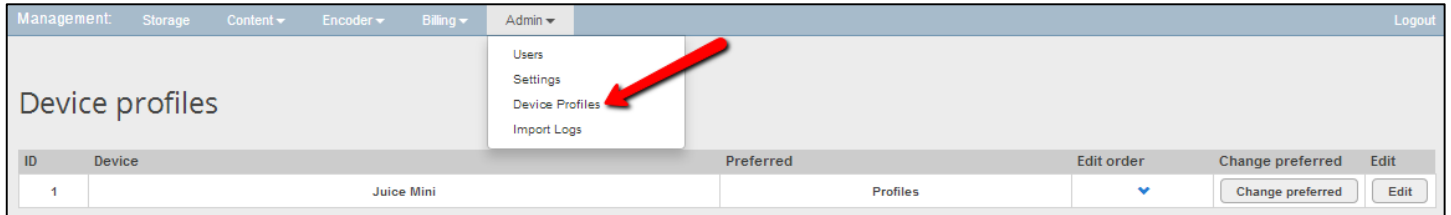
**New api Password**   
New api password.

**Rewrite new Password**   
Repeat new api password for check.

[Change password](#)

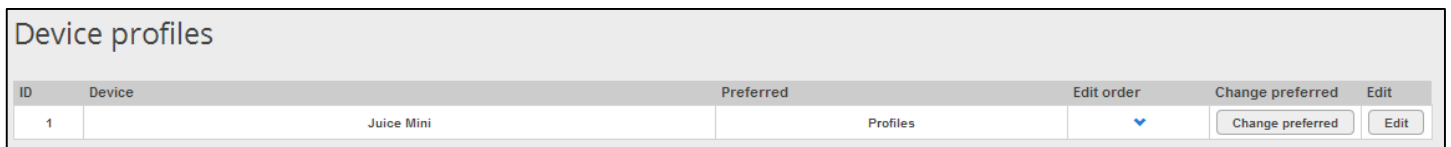
## 5.3 Device profiles

By clicking “Device profiles” you can see the information about device profiles.



The screenshot shows the ANTIK management interface. The top navigation bar includes Management, Storage, Content, Encoder, Billing, and Admin. The Admin dropdown menu is open, showing options: Users, Settings, Device Profiles (highlighted with a red arrow), and Import Logs. Below the menu, the 'Device profiles' page is displayed with a table containing one row for device ID 1, named 'Juice Mini', with preferred profiles. The table has columns for ID, Device, Preferred, Edit order, Change preferred, and Edit.

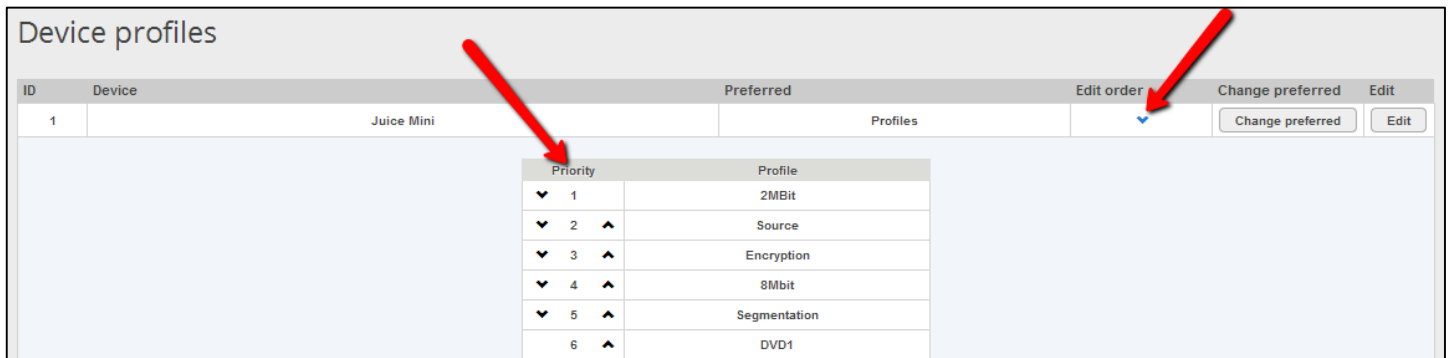
You can see the device ID, device name and preferred (profiles or multiprofiles).



The screenshot shows the 'Device profiles' page. The table has columns: ID, Device, Preferred, Edit order, Change preferred, and Edit. The first row shows device ID 1, named 'Juice Mini', with preferred profiles. The 'Change preferred' button is visible next to the row.

**Note:** the device is added automatically, you must add the profiles.

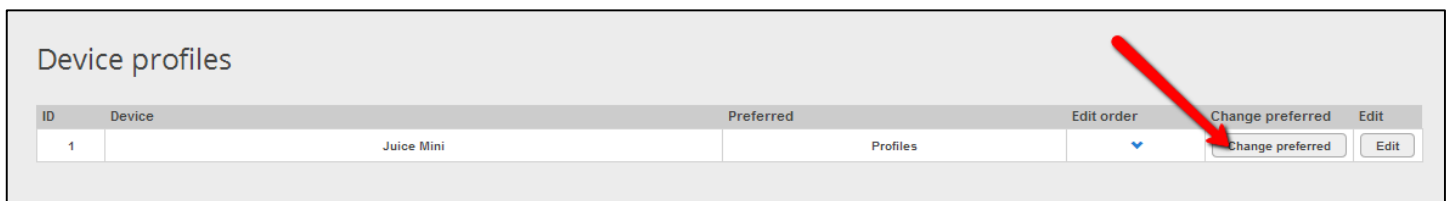
By clicking “Edit order” you edit the profile priority. You change it by arrows.



The screenshot shows the 'Device profiles' page. The 'Edit order' dropdown menu is open, showing a list of profiles with their priority and name. A red arrow points to the 'Edit order' dropdown, and another red arrow points to the 'Priority' column of the profile list.

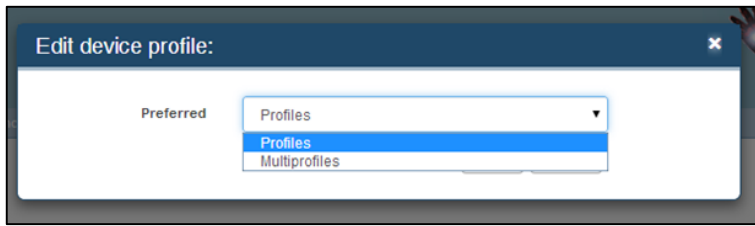
Priority	Profile
1	2MBit
2	Source
3	Encryption
4	8Mbit
5	Segmentation
6	DVD1

By clicking “Change preferred” you change preferred.

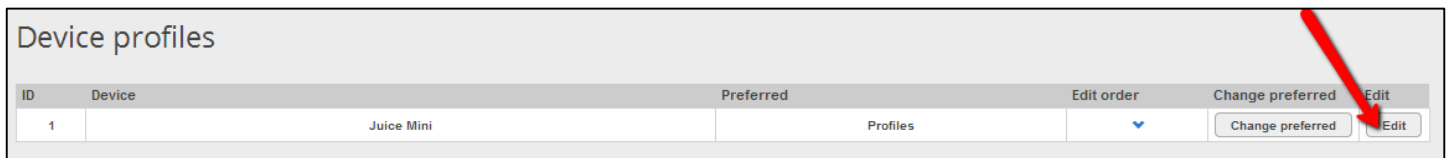


The screenshot shows the 'Device profiles' page. The 'Change preferred' button is highlighted with a red arrow.

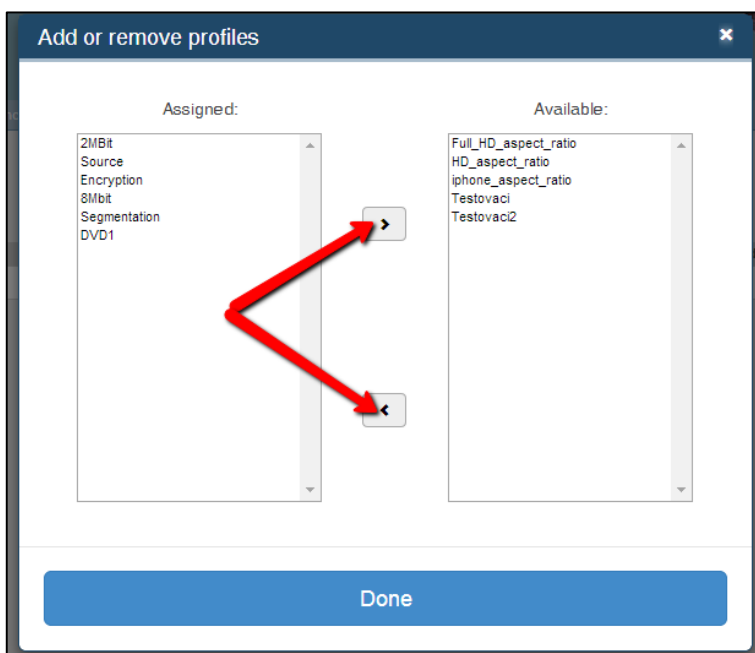
You can choose profiles or multi profiles.



By clicking “Edit” you edit the existing device profile.



You can add or remove profiles.



## 5.4 Import logs

By clicking “Import logs” you can see the information about the import logs. There are the details about the import process. If an error occurs you can see it here.

Management		Storage	Content	Encoder	Billing	Admin	Logout
Import logs		<div> Users Settings Device Profiles Import Logs </div>					
		Time	Result				
		2014-08-08_13:03:16.log	2014-08-08 13:03:16 Deleting import log 2014-08-04_09:01:54.log. 2014-08-08 13:03:16 Downloading XML file 'http://10.252.61.10:94/xml/import.xml'. 2014-08-08 13:03:16 File downloaded in 0.008 seconds. 2014-08-08 13:03:16 Opening downloaded XML file. 2014-08-08 13:03:16 Importing accounts. 2014-08-08 13:03:16 Imported 6 / 6 accounts in 0.001 seconds.				
		2014-08-08_03:03:08.log	2014-08-08 03:03:08 Deleting import log 2014-08-03_23:01:47.log. 2014-08-08 03:03:08 Downloading XML file 'http://10.252.61.10:94/xml/import.xml'. 2014-08-08 03:03:08 File downloaded in 0.05 seconds. 2014-08-08 03:03:08 Opening downloaded XML file. 2014-08-08 03:03:08 Importing accounts. 2014-08-08 03:03:08 Imported 6 / 6 accounts in 0.001 seconds.				
		2014-08-07_17:03:00.log	2014-08-07 17:03:00 Deleting import log 2014-08-03_13:01:40.log. 2014-08-07 17:03:00 Downloading XML file 'http://10.252.61.10:94/xml/import.xml'. 2014-08-07 17:03:00 File downloaded in 0.031 seconds. 2014-08-07 17:03:00 Opening downloaded XML file. 2014-08-07 17:03:00 Importing accounts. 2014-08-07 17:03:00 Imported 6 / 6 accounts in 0.001 seconds.				
		2014-08-07_07:02:53.log	2014-08-07 07:02:53 Deleting import log 2014-08-03_03:01:32.log. 2014-08-07 07:02:53 Downloading XML file 'http://10.252.61.10:94/xml/import.xml'. 2014-08-07 07:02:53 File downloaded in 0.031 seconds. 2014-08-07 07:02:53 Opening downloaded XML file. 2014-08-07 07:02:53 Importing accounts. 2014-08-07 07:02:53 Imported 6 / 6 accounts in 0.001 seconds.				
		2014-08-06_21:02:45.log	2014-08-06 21:02:45 Deleting import log 2014-08-02_17:01:25.log. 2014-08-06 21:02:45 Downloading XML file 'http://10.252.61.10:94/xml/import.xml'. 2014-08-06 21:02:45 File downloaded in 0.13 seconds. 2014-08-06 21:02:45 Opening downloaded XML file. 2014-08-06 21:02:45 Importing accounts. 2014-08-06 21:02:45 Imported 6 / 6 accounts in 0.007 seconds.				
		2014-08-06_11:02:32.log	2014-08-06 11:02:32 Deleting import log 2014-08-02_07:01:17.log. 2014-08-06 11:02:32 Downloading XML file 'http://10.252.61.10:94/xml/import.xml'. 2014-08-06 11:02:32 File downloaded in 0.067 seconds. 2014-08-06 11:02:32 Opening downloaded XML file. 2014-08-06 11:02:32 Importing accounts. 2014-08-06 11:02:32 Imported 6 / 6 accounts in 0.001 seconds.				
		2014-08-06_01:02:23.log	2014-08-06 01:02:23 Deleting import log 2014-08-01_21:01:09.log. 2014-08-06 01:02:23 Downloading XML file 'http://10.252.61.10:94/xml/import.xml'. 2014-08-06 01:02:23 File downloaded in 0.047 seconds. 2014-08-06 01:02:23 Opening downloaded XML file. 2014-08-06 01:02:23 Importing accounts. 2014-08-06 01:02:23 Imported 6 / 6 accounts in 0.001 seconds.				

## 6. XML import and export

### XML export documentation

#### Example:

```
<xml>
<accounts>
<account>
  <name>Johnny Bravo</name>
  <id>BCD12345</id>
  <import_balance import="2014-03-19 22:54:36">75.35</import_balance>
  <orders_price>18.05</orders_price>
  <orders from="2014-03-19 22:54:36" to="2014-03-20 22:54:43">
    <order ordered="2014-03-20 18:35:55" type="free" unit_price="0.00" seconds="0" total_price="0.00"
expired="2014-03-20 18:35:55">Cars</order>
    <order ordered="2014-03-20 16:31:28" type="pay_per_minute" unit_price="0.05" seconds="3602"
total_price="3.05" expired="2014-03-20 17:31:30">Frozen</order>
    <order ordered="2014-03-20 10:25:31" type="pay_per_view" unit_price="10.00" seconds="78" total_price="10.00"
expired="2014-03-22 10:25:31">Pulp Fiction</order>
  </orders>
</account>
</accounts>
```

#### Description:

- every new account in new account tag
- name : customer name
- id : external user id from billing server
- import\_balance : balance get from billing server
- parameters:
  - *import*: last import date for this customer before export
- orders\_price : total orders price from last import
- orders : customer orders from last import
- parameters:
  - *from*: start date of orders output
  - *to*: end date of orders output
- order : represents if a customer press play movie, movie name is between tags
  - parameters:
    - *ordered*: date and time of play movie start
    - *type*: billing type of movie (possibilities: free, pay\_per\_view, pay\_per\_minute)
    - *unit\_price*: price for unit order (for pay\_per\_view it is price per view, for pay\_per\_minute it is price per minute)
    - *seconds*: how much seconds customer watched the movie
    - *total\_price*: total price of order (for pay\_per\_view it is same as unit price, for pay\_per\_minute it is unit price multiplied by watch time in minutes)
    - *expired*: time when order expired (for pay\_per\_view it is order time + loan time set by management server, for pay per minute it is time when customer ended playing)
  - when played pay\_per\_view movie multiple times between expiration it is added in order list with null unit and total price
  - free movies are added with null unit and total price

## XML import documentation:

### Example:

```
<xml>
<account>
  <name>Jozef Sosovica</name>
  <external_id>BCD12345</external_id>
  <username>abc2@antik.sk</username>
  <password type="ATK1">password12345</password>
  <pin>1234</pin>

  <services>
    <vod>
      <billing type="postpaid" balance="75.35" />
      <packages>
        <package from="2014-01-31" to="2014-04-02" id="Basic" />
        <package from="2014-02-01" to="2014-09-15" id="Free" />
        <package from="2014-01-01" to="2014-09-15" id="New" />
      </packages>
    </vod>
  </services>

  <devices>
    <limits stb="5" phone="10" all="20" other="5" />
    <device id="ATK00162A800011" />
    <device id="ATK00162A800012" />
  </devices>
</account>
</xml>
```

### Description:

- every new account in new account tag
- name: customer name
- external\_id: external user id from billing server
- username: username for vod server (without spaces)
- password: password for vod account (must be with parameter type="ATK1")
- pin: pin used for playing movie on stb (must have 4 character number)
- services:
  - vod:
  - billing:
    - type:

prepaid – customer cannot go under zero credit;

postpaid – customer can go to the minus credit;

free – free account, all movies will be free for this customer;

disabled – disabled vod service

- balance: actual balance from billing server for vod service
- packages: pre-ordered packages (package must be defined in management server)



- package:
  - *from*: start date from which the package is available
  - *to*: end date to which the package is available
  - devices: list of MAC addresses of user devices (must be ATK before MAC)
- limit:
  - *stb*: limit for connected stbs for customer
  - *phone*: limit for connected smartphones for customer
  - *all*: total limit for all devices for customer
  - *other*: limit for other devices (except stbs and smartphones)
- device:
  - *id*: MAC address of device (must be ATK before MAC)



ANTIK Technology, s.r.o.

Carskeho 10

040 01 Kosice

Slovak republic

Phone: +421 55 30 12345

E-mail : info@antiktech.com