bazeport

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User Manual

MANAGEMENT STUDIO – CONFIGURE

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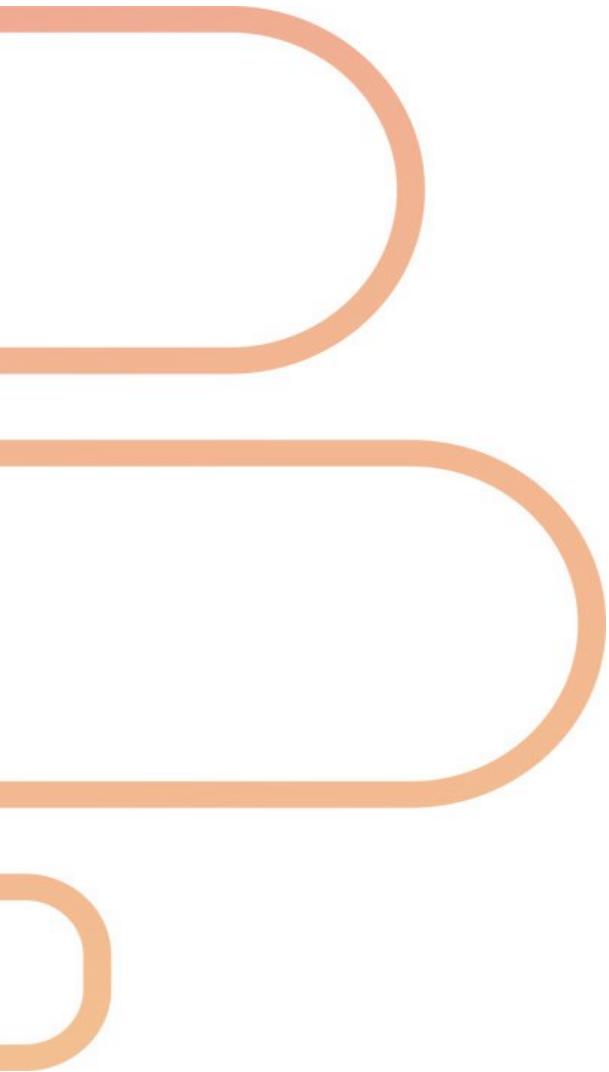

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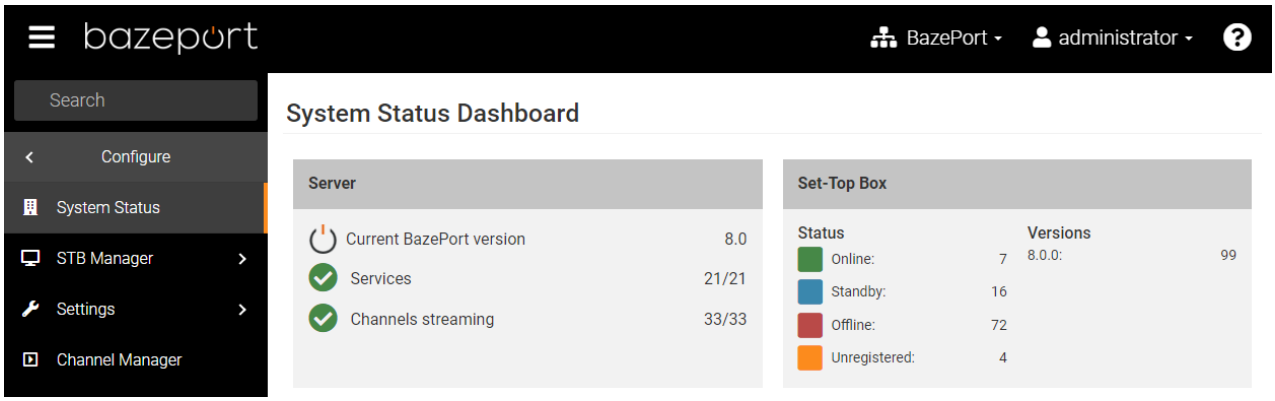
BAZEPORT CONFIGURE OVERVIEW

BazePort Configure is the module used by BazePort administrators to configure BazePort clients, groups, access control, system settings, and do live updates of the system. In addition to the **Configure** module, this user manual also covers the **Statistics** module (see later).

ABOUT CONFIGURE

System Status Dashboard



The **System Status Dashboard** gives you information about status of your BazePort server, your BazePort units (Set-Top Box), statistics about usage of TV and VOD, and trending movies.

STB Manager

The **STB Manager** is where you can get an overview of BazePort units' configuration and reconfigure the units. You can define new groups of BazePort units and set properties for the groups, and set access rights to the groups. The groups (and single BazePort units) can be used in the other modules to define receivers of actions in flow, give group access to TV channels etc.

Settings

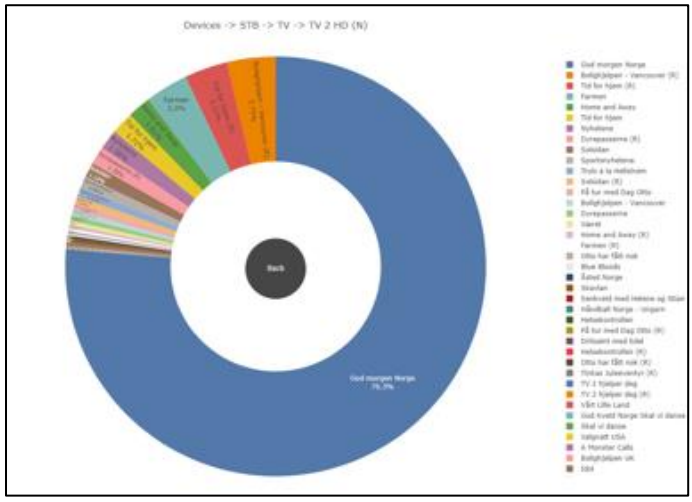
From the **Settings** menu your BazePort administrator can define individual, named users to BazePort Management Studio. Administrator can define roles and assign permissions for the roles. The users can be assigned a role. As an example you can control that a publisher only has access to certain functionalities in the Publish module. You can see and change the system settings for your BazePort system from the sub menu **System Settings**.

Channel Manager

Channel Manager lists all your TV channels, radio channels and streams from CCTV cameras. You can see and change properties for the channels.

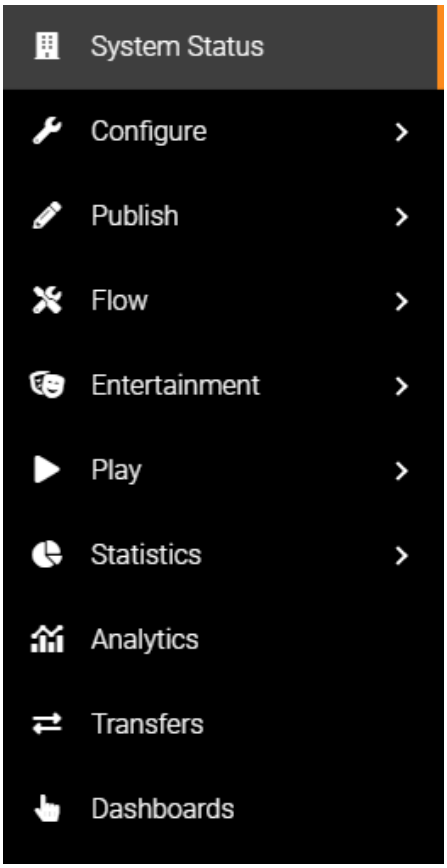
ABOUT STATISTICS

In the Statistics module you have access to detailed statistics about use of your BazePort system. You can see statistics about TV channels, Video on Demand movies and series, type of device used to access BazePort, what content web app users have visited and use of BazeCast.



ABOUT BAZEPORT MANAGEMENT STUDIO IN GENERAL

BazePort Management Studio is the administration tool for BazePort.



The tool is organized in several modules named **Configure**, **Publish**, **Flows**, **Entertainment**, **Play, Statistics** and **Dashboards,** each of them described in short below:

Configure – the module used by BazePort administrators to configure access points, groups, access control, system settings, and do live updates of the system. This user manual covers the Configure module and the Statistics module (see later)

Publish – the module used by your "publishers" to prepare local content to be published as Info Channels, Info Portal, Bulletin Board, etc. Please refer to the user manual for BazePort Management Studio – Publish.

Flows – the module used by administrators or "publishers" to prepare automated chains of actions such as starting a security video every day at 12:00. Please refer to the user manual for BazePort Management Studio – Flow.

Entertainment – this is the library for all your movies, series, podcasts, news and recordings. Administrator can manage the libraries from this module. Please refer to the user manual for BazePort Management Studio – Entertainment.

Play – a module for controlling a BazePort unit (STB) from remote using a web interface. You can use this to change channel, start a movie or schedule a TV program for recording. Please refer to the user manual for BazePort Management Studio – Play.

Statistics – gives you an overview of how the system is used and drill down into usage data. You can for instance get an overview of which channels are watched and when, or trending movies in your Movie library this month.

Analytics – This is a link to the cloud application Analytics. Analytics gives detailed insights into how BazePort is used. Browse, filter and investigate usage and trends.

Transfers – shows detailed information on content transferred to and from BazePort Connect Services.

Dashboards – lists all the dashboards your administrator has prepared. The dashboards contains one or more button that will trigger a flow, or chains or actions, as configured in the **Flows** module.

Configure, **Play** and **Statistics** are part of most installations while the other modules require extra licenses. For some installations only Baze Technology support team will have access to the **Configure** and **Play** applications.

GETTING STARTED

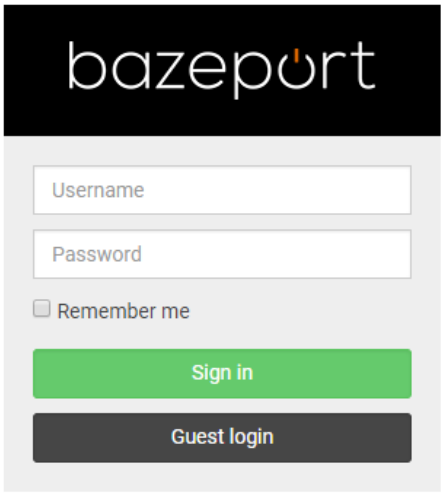
ACCESS TO MANAGEMENT TOOL

To access BazePort Management Studio – Configure simply browse to http://bazeportsrv.bazeport.lan/BazePort.ManagementStudio/ with your favorite browser.

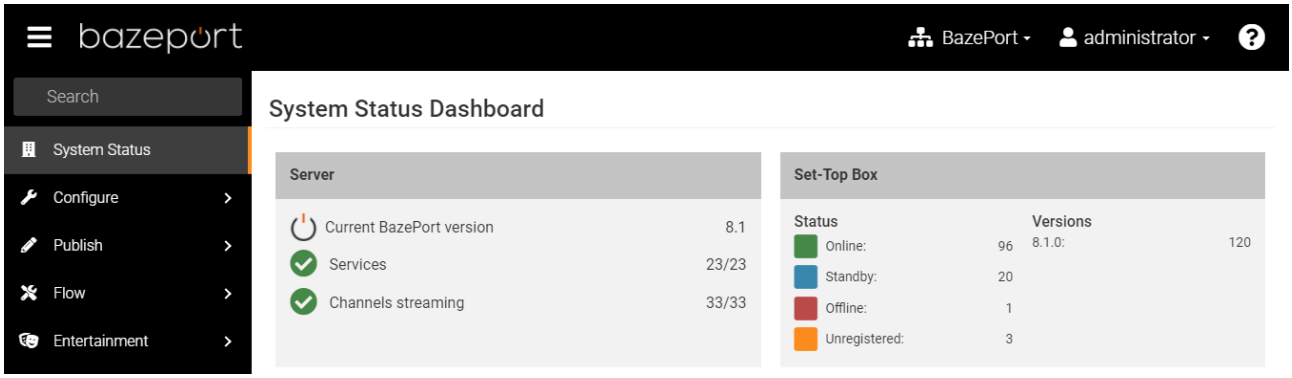
Please note that your computer must be connected to the same network/VLAN as the BazePort Server.

LOGIN

When prompted you will have to login with supplied credentials, see the login dialogue in the picture below.



After login you will be presented with the **BazePort Management Studio** application. The start-up window, below, provides a quick general overview of the status of the BazePort system. The **Configure** section is found in the menu on the top left-hand side.



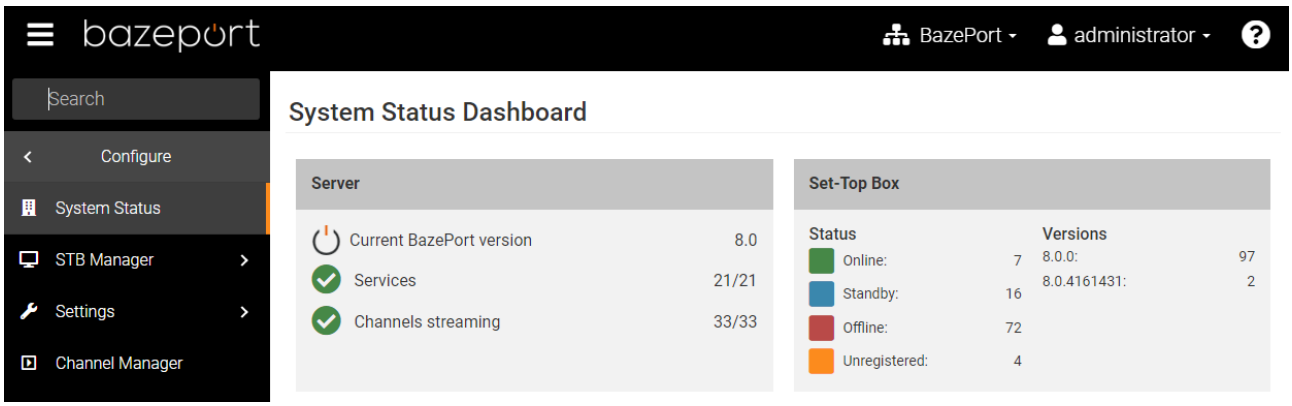
FUNCTIONALITY AVAILABLE FROM THE UPPER BAR

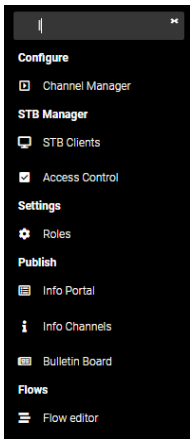
Please note the following on the upper bar:

- Choose BazePort system: from the network icon on the right side, you have the possibility to choose which BazePort system to log into. This only makes sense if you have more than one BazePort installation to administer.
- Language: From the user icon on the right side, you have the option to change language for BazePort Management Studio.
- Logout: From the user icon on the right side, you have the option to log out of BazePort Management Studio.
- Help: From the question mark icon to the far right you can access user manuals for all BazePort Management Studio modules.
- Expand and collapse the menu tree by clicking on the icon on the far right side.

SEARCH

The **Search** field on the top left-hand side menu is available for all parts of BazePort Management Studio. This makes it possible to search through the menu names for easier access to sub menus.



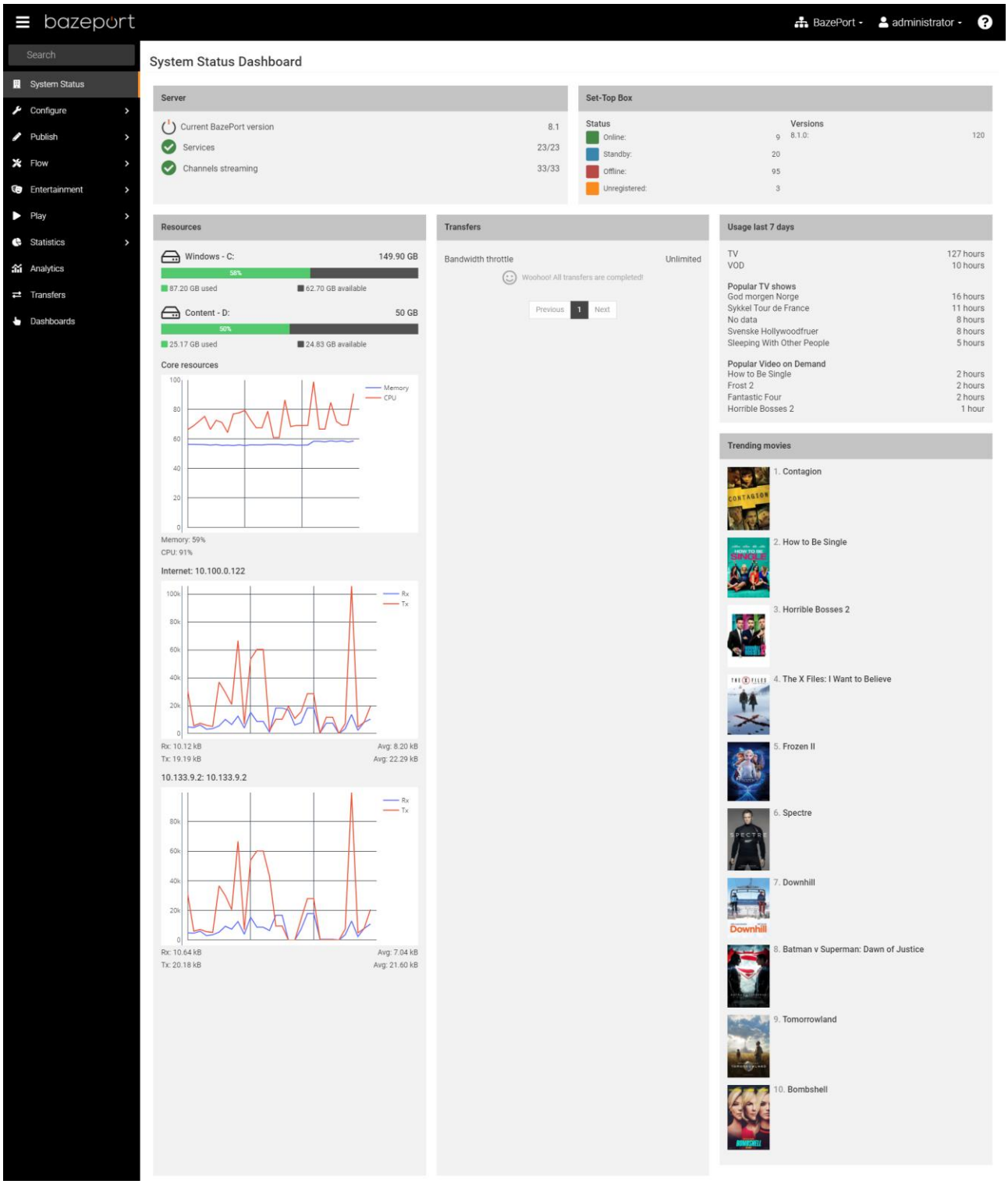


When you start typing letters in the field, the menus containing these letters will automatically show in a list (providing you have been granted access to them). The list of menu items is presented with the menu it is organized under.

For quick access, select the application you are interested in, and this will open on the right-hand side of the screen.

SYSTEM STATUS

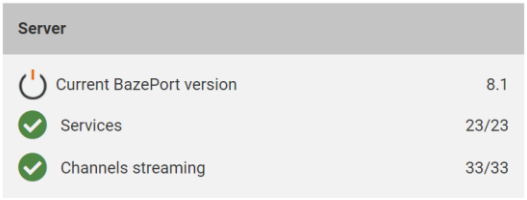
System status is available from the main menu choosing **System Status** at the top level. **System Status** is where you get an overall presentation of the status of your system.



The **System Status Dashboard** presents status for your BazePort installation, for server, set-top boxes and statistics of use. The dashboard is divided into five panels: **Server**, **Set-Top Box**, **Resources**, **Transfers**, **Usage last 7 days** and **Trending movies**.

SERVER PANEL

Current BazePort version



The software version of BazePort running on the server, 8 is the main release, 8.1 is an addition to the main release, also known as an intermediate release.

Services

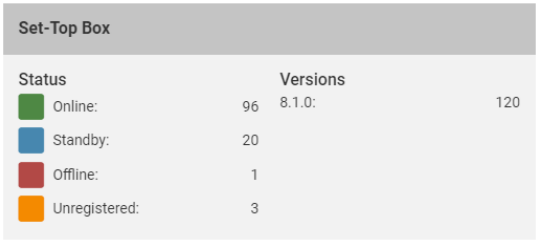
Number of BazePort server system services - in total and running

Channels streaming

Number of channels streaming - in total and running. Channels can be of type TV, radio, CCTV.

SET-TOP BOX PANEL

Status



Status lists the different statuses the BazePort units in the BazePort system has and presents number of units per status.

Online (turned on and running)
Offline (turned off)
Unregistered (never been online)
Standby (suspended, last known state)

Versions

Versions lists the different BazePort client software versions that are in use in the system and lists number of units per version.

RESOURCES PANEL

Data storage

Presents status of disk space, used and available.

Please note that for Windows servers there will be two disks; Windows – C: and Content – D: - while for Linux servers there will be one disk and this will be named Data storage.

Core resources

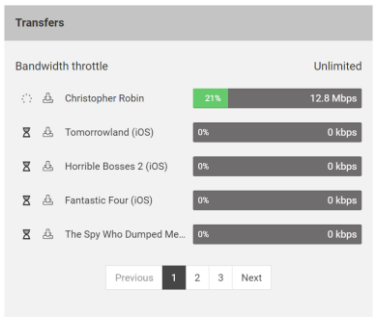
Presents memory usage and CPU usage for the BazePort server.

Network traffic on interfaces

Presents network traffic receive and transmit for one or more interfaces. The names of the graphs contains name of interface and IP address.

Please note that for installation where internet is configured via BazePort Communicator there will be one graph, while installations with a separate interface for internet will have two graphs (like in the picture to the right).

TRANSFERS PANEL



The panel shows current bandwidth throttling and ongoing content transfers. For more in-depth information on transfers and possibility to prioritize transfers in the queue and set transfer speed, check out the **Transfers** module.

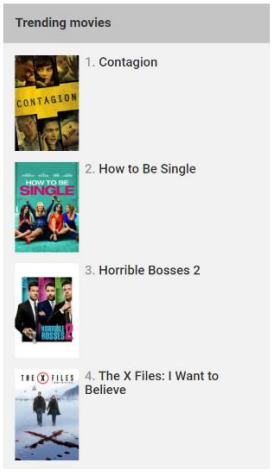
“USAGE LAST 7 DAYS” PANEL

This panel presents statistics for the last 7 days for all BazePort units in the installations. It presents number hours all users in the system have watched:

- TV and the 5 most popular TV shows
- Videos from Movies or Series and the 5 most popular videos

Please note that more statistics is available in the Statistics module.

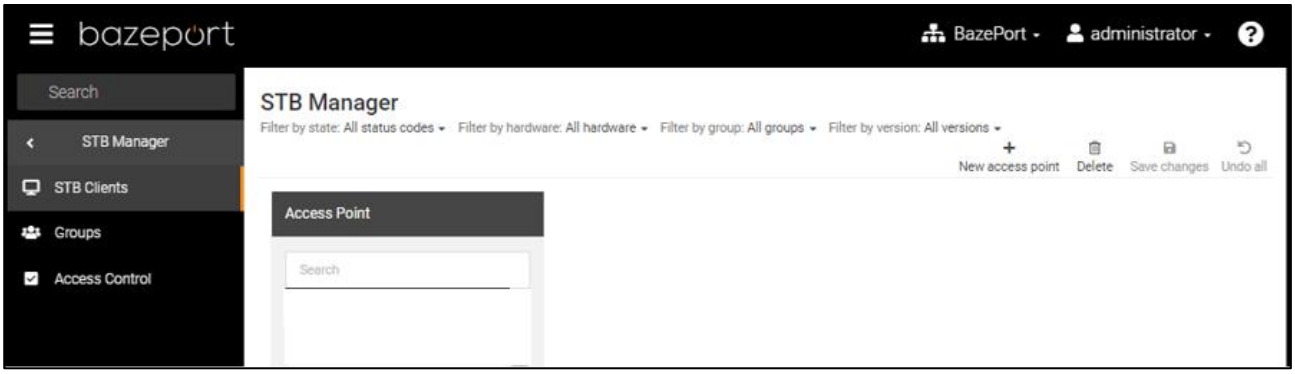
“TRENDING MOVIES” PANEL



The **Trending movies** panel presents the 10 most popular movies the last 100 days (or less if installation has not had movies for a 100 days yet).

STB MANAGER

STB Manager is available from the main menu choosing **Configure**, then **STB Manager**, then **STB Clients**. The **STB Manager** allows BazePort administrators to have complete control of every single BazePort unit in their BazePort system.



From the **STB Manager** it is possible to filter out relevant BazePort units and inspect their details. Further you can register new, delete and update the settings of the BazePort units - and send operational commands. It is also presenting an overview with statistics of BazePort clients.

In the next chapters the **STB Manager** interface is presented in detail.

TERMS IN USE

Before we start, let us explain a few terms:

STB

STB is short for set-top box which is a small hardware device that allows a digital signal to be received, decoded and displayed on a television. The device is connected to the BazePort IPTV VLAN over cabled Ethernet network and is a client communicating with the BazePort server. BazePort does, however, not only support **STBs** as clients in our IPTV system, we can also run **BazePort client software** as **Android native app** in **Android TVs** or client software embedded in TVs. **STB Manager** is the tool to manage any hardware unit used as client, whether it is **STBs**, **Android TV** or **Hospitality TVs**.

ACCESS POINT

Access point is another term used in the **STB Manager** to describe the network point for the BazePort unit. It is also used to describe the network point's registered, named BazePort unit.

BAZEPORT UNIT MODELS

The BazePort units can be of type **STB**, **Android TV** and **Hospitality TV**. In the **STB Manager** you will see information about which model the BazePort unit is. Below is a listing of models grouped by type of BazePort unit:

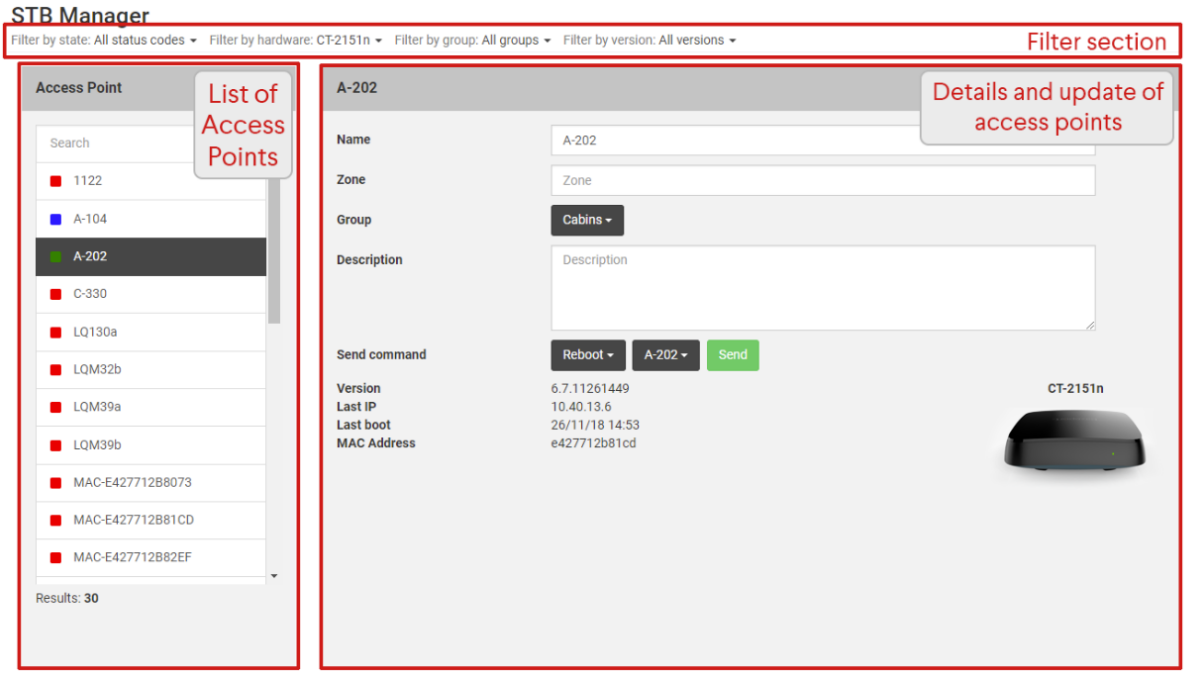
- **STB models**: CT-2191, CT-2151. Please note that there are older STB models, but these are end-of-life and not listed here.

- **Android TV models**: Philips MediaSuite HFL5014 series, Philips MediaSuite HFL6014 series
- **Hospitality TV models**: Philips PrimeSuite HFL4014 series. Please note that there are older Hospitality TV models, but these are end-of-life and not listed here

ZONE

Zone is a type of group used to reach a group with the functionality **Send message**, **Flow** (for forced content and mute of sound during PA/GA announcements/alarms). To register a zone on an access point, please see the chapter describing access points: **Edit access points** and **Adding access points**.

FILTER ACCESS POINTS



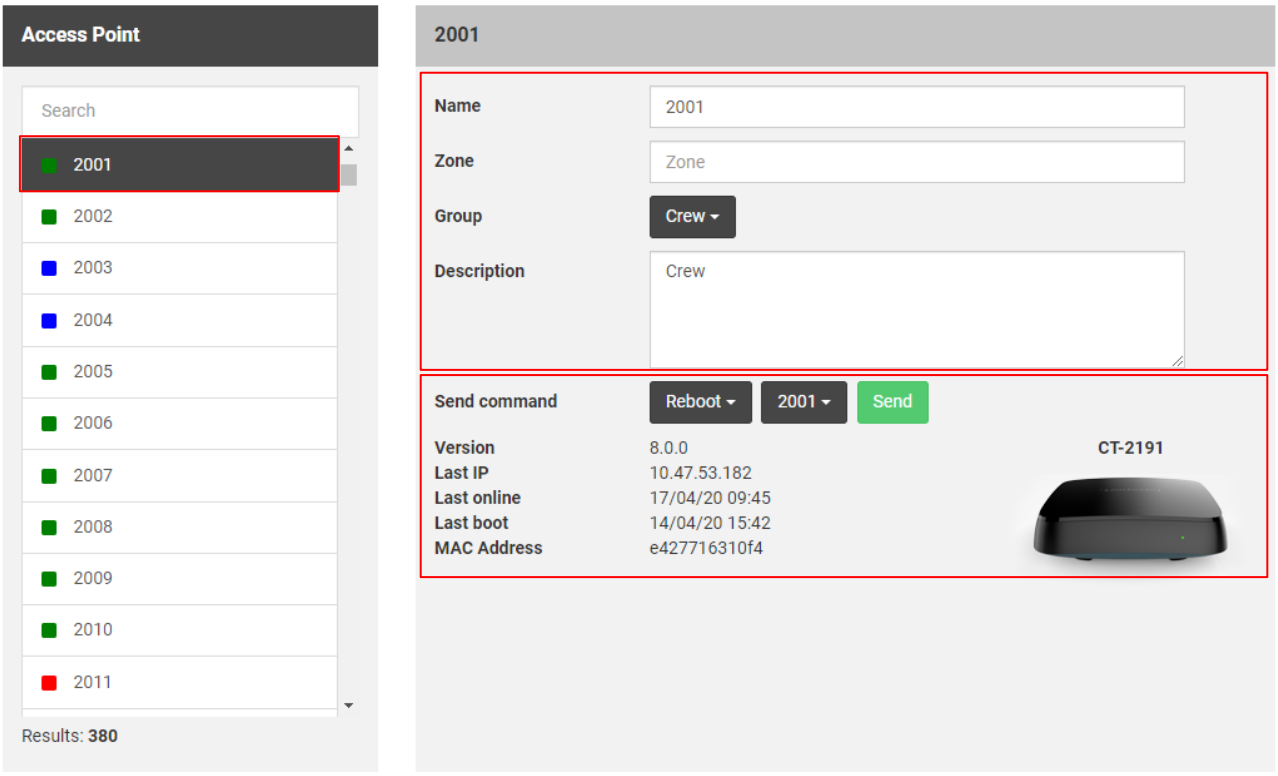
It is possible to filter access points by clicking in the **Filter** section at the top of the screen. Available filters are explained in the table below.

Filter	Values
State	All Online (turned on and running) Offline (turned off) Unregistered (never been online) Standby (suspended, last known state)
Hardware	The BazePort unit model installed at the access point
Group	Filters on access points belonging to a group, as defined in Configure -> STB Manager -> Groups
Version	BazePort client software version running on the unit.

Once a filter has been chosen, you will be presented with the list of access points corresponding with the filter.

DETAILS OF ACCESS POINTS

Information about an access point is available (on the right) by clicking on the access point in the list of access points (to the left).



Explanation of the remaining parameters given in the access point details:

Parameter	Values
State **(in the Access Point list, with a color in front of the Access Point name)**	All Online (turned on and running) Offline (turned off) Unregistered (never been online) Standby (suspended, last known state)
Name	Name of access point
Zone	The zone is a free text field which corresponds to the zones defined in the PA/GA system. Please note that you should have a clear strategy on how to define the zones in order to optimize the groups to receive direct messages and content. Used for: - Send Message - Automated content to receivers defined in Flows (forced content) - Mute of PA/GA (using Flows)

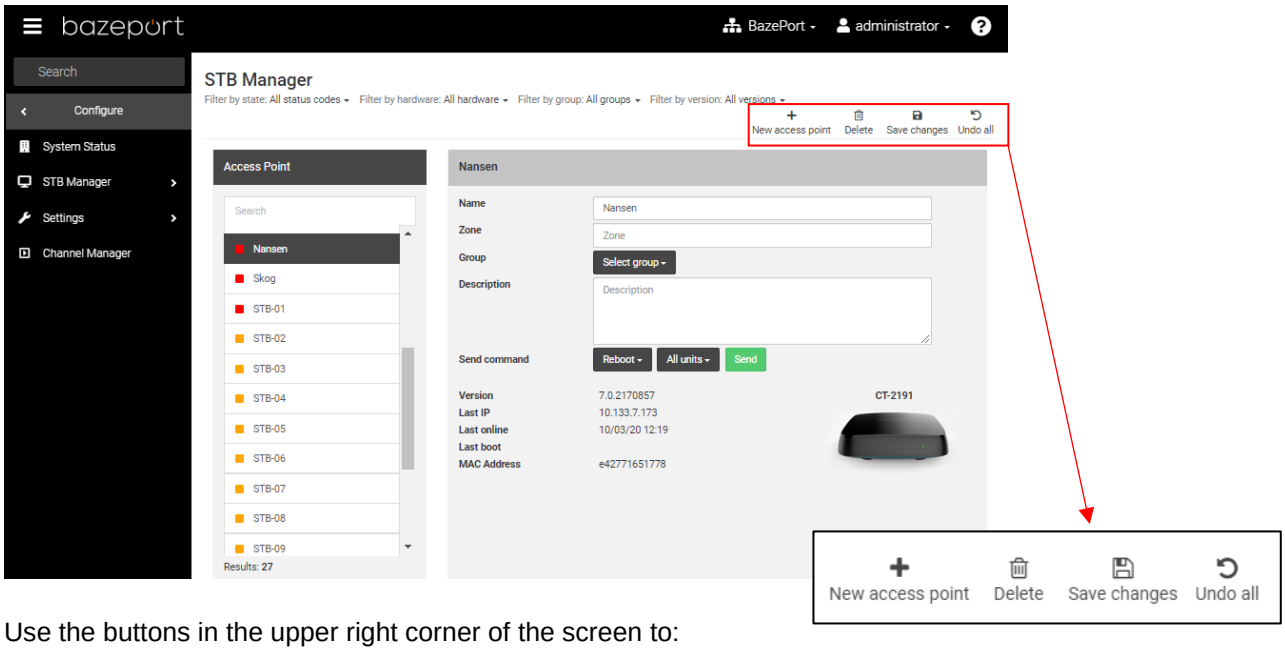
	The zones defined here will be available in Flow and Send Message (together with the access points and groups).
Group	Assign access point to a group (see next main chapter, Configure -> STB Manager -> STB Clients)
Description	Description of access point (free text)
Send command	Explanation is given in a later sub chapter.
Version	BazePort client software version running on the unit
Last IP	The IP address (network address) of the unit. The Internet Protocol address is a unique identifier or address that is assigned to a unit in a TCP/IP based data network.
Last boot	Date and time for the last reboot of the unit.
MAC address	The MAC address of the unit. The media access control address (MAC address), physical address, is a unique identifier. MAC addresses are assigned by the manufacturer of a network interface controller (NIC) and are stored in its hardware.
Hardware (text and picture to the right)	Type of unit installed at the access point.

EDIT ACCESS POINTS

If you need to change the parameters of a specific access point, you can click on the access point in the list of access points, and then edit the fields you want to change.

You can also send command to access points such as restart, re-boot and shutdown. For a full list of commands, please see table in chapter describing **Send command to access point.**

Please remember to **Save changes** when you have filled in all details.

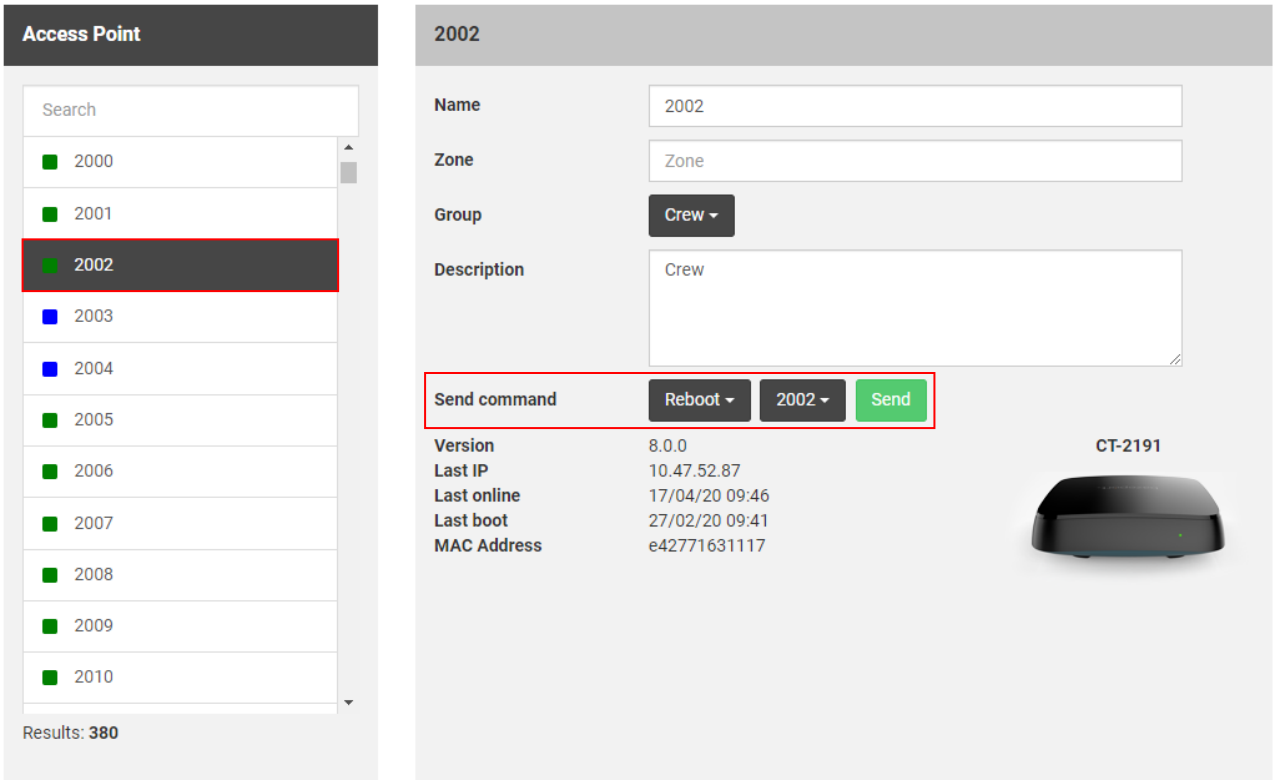


Use the buttons in the upper right corner of the screen to:

- **Save changes** by clicking on the **Save changes** button
- **Undo all** changes made since last save by clicking on the **Undo all** button
- **Delete** the selected access point by clicking on the **Delete** button

SEND COMMAND TO ACCESS POINT

If you would like to send an operational command to an access point, you can click on the access point in the list of access points, and then you go to the **Send command** section of the access point details.



It is possible to remotely send commands such as **reboot**, **restart** and **shutdown** to a **specific access point**, to **filtered units** or to **all units**. **Filtered units** equals the list presented in the list to the left. As described in previous sub chapter, **filter** can be based on name, state, hardware, group and/or version. When the correct command and access point is chosen, click the **Send** button.

Please be very careful and avoid to unintentionally send a command to **All units**. The default value is to send commands to a selected access point, however; it is possible to send to all units.

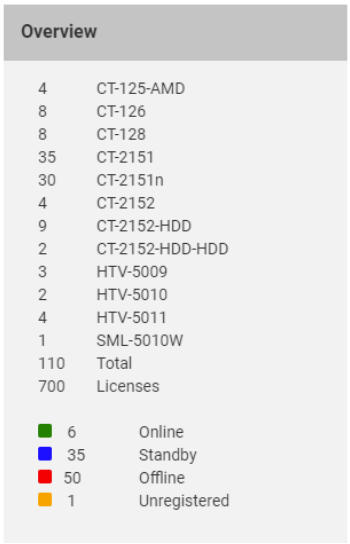
A full list of possible commands can be seen in the table below.

Command	Description
Restart	Will reload settings and restart the client application. A restart only takes a couple of seconds and is sufficient for most setting changes.
Reboot	Full reboot of BazePort unit(s). Takes longer time than restart, but necessary in case of system-changes like updates and changes of group settings. E.g. tethering, forced resolution and audio output.
Wake-up	Wake up BazePort unit(s) from suspend or even power off. Note that this command does not apply to all models.
Shutdown	Turn off BazePort unit(s).
Check-out	Delete all private recordings and files on a BazePort unit.

Unregister	Unregister BazePort unit(s) from the database. If online, the unit(s) will restart and ask to be re-registered.
Redeploy	Wipe hard drive clean and redeploy unit from scratch. Use this in case of mysterious behavior of the BazePort unit (often caused by corrupt files).
Suspend	Sets the BazePort unit(s) in standby

STB MANAGER OVERVIEW

There is a column called **Overview** on the right hand side of the screen. This gives an overview over hardware type and current state of all current access points in the system.

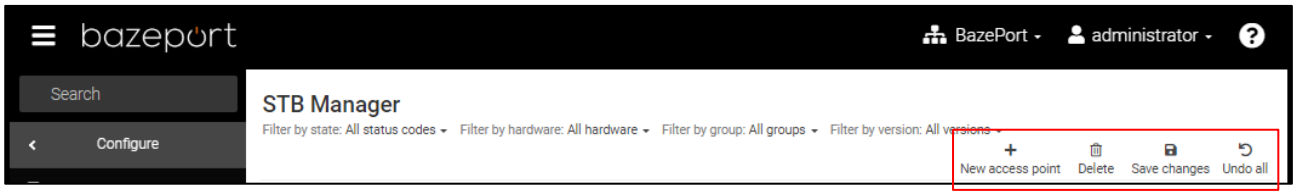


The colored squares next to each access point in the list indicate the current state of each access point. Please see table below for an explanation of each color.

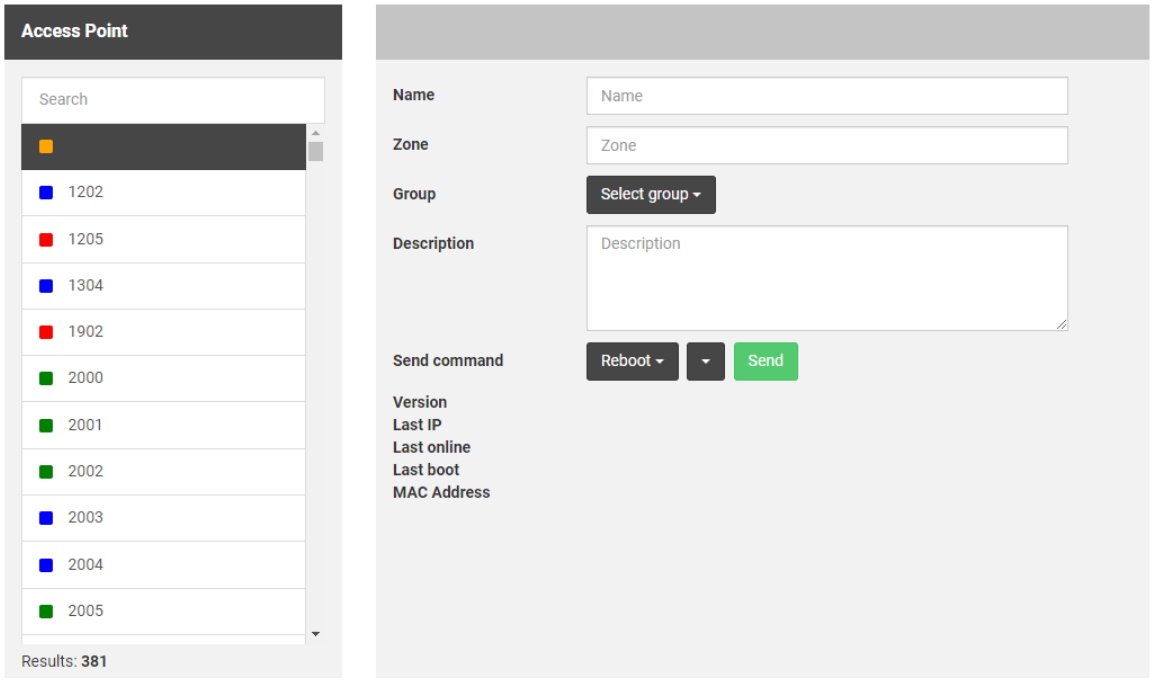
Icon	Description
	Online (turned on and running)
	Standby (suspended, last known state)
	Offline (turned off)
	Unregistered (never been online)

ADDING ACCESS POINTS

In order to add a new access point you can just click on the button called **New access point**.



The following screen will be presented.



Note that the access point is shown in the access point list to the right with status *Never been online* in color YELLOW.

The following table describes each of the fields to fill out, only **Name** is mandatory for registration.

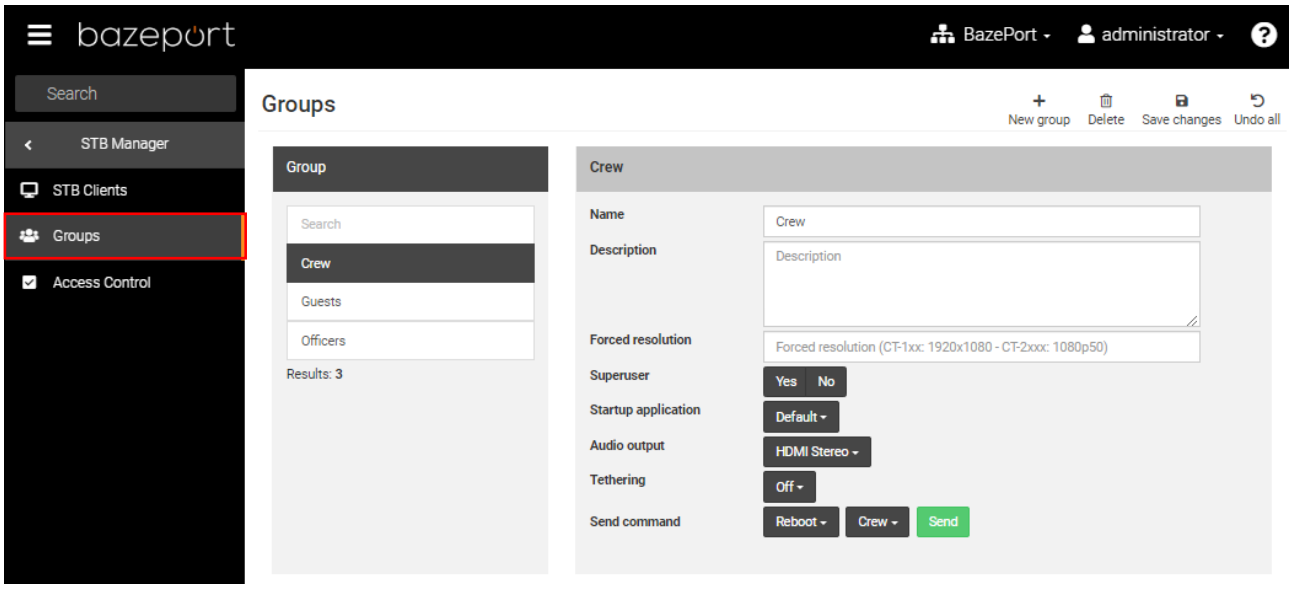
Field	Description
Name	Name of access point
Zone	PA/GA zone, used for flows and send message
Group	Assign access point to a group (see next chapter)
Description	Description of access point (free text)

Use the buttons in the upper right corner of the screen to:

- **Save changes** by clicking on the **Save changes** button
- **Undo all** changes made since last save by clicking on the **Undo all** button
- **Delete** the selected access point by clicking on the **Delete** button

GROUPS

Groups is available from the main menu choosing **Configure**, then **STB Manager**, then **Groups**. Access points can be grouped together using **Groups**.



HOW TO USE GROUPS

The purpose of a group is to differentiate the functionality available on different access points and to direct your local content to a specific set of access points.

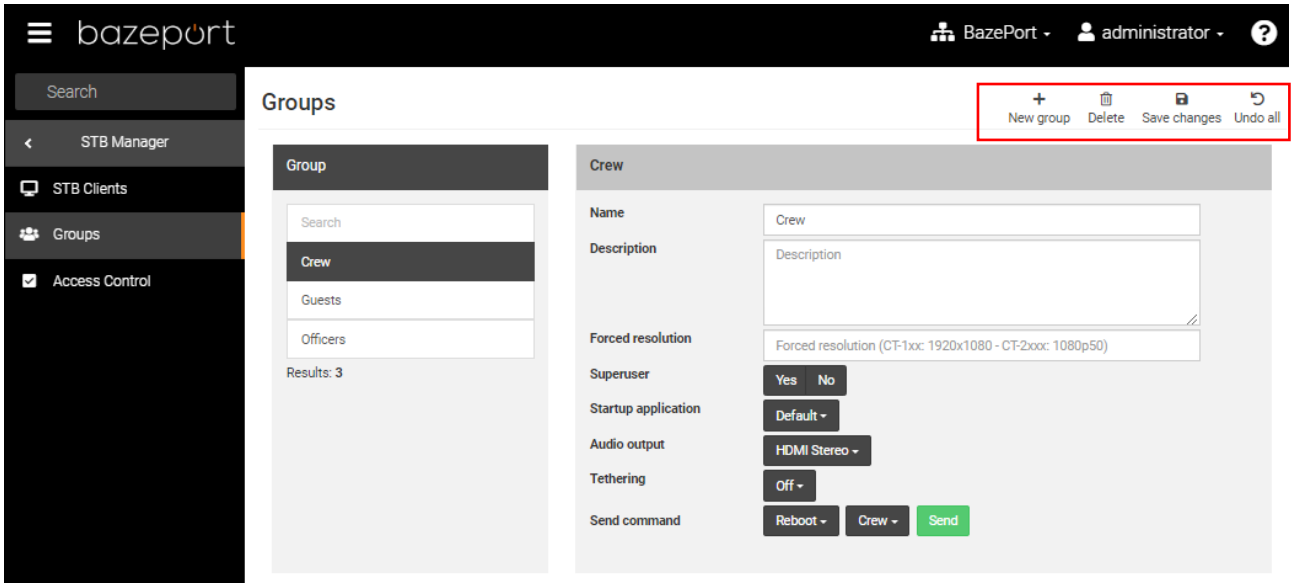
For example on a cruise ship, the groups could be:

Example group	Example access to content/functionality
Passenger cabins	• Selected TV and radio channels • Info Channel for passengers • Info Portal for passengers
Crew cabins	• All TV and radio channels • Info Channel for crew • Info Portal for crew
Public areas	• Info Channel for public area

Please see next chapter for a description of **Access Control**.

Note that messages and actions to performed using **Flow** (eg: forced content and mute PA) also can be sent out to group of access points, but this is usually done using **Zone** defined on the access point, see previous main chapter describing **STB Manager**.

ADD OR MODIFY GROUP



In order to add a new group you can just click on the button called **New group**.

The following table describes each of the fields which needs to be filled out.

Field	Description
Name	Name of group
Description	Description of group
Forced resolution	Some TVs do not allow auto-detection of resolution. Here you can set a forced resolution. Syntax: [width]x[height] e.g. 1280x720
Super user	Yes: BazePort units in a group will become super users and the members in the group will be able to delete network/public recordings
Startup application	Default application that units assigned to this group will start after boot.
Audio output	Output audio from HDMI, HDMI Surround, Mini-Jack or SPDIF
Tethering	Enable/disable tethering, see next table
Hotspot SSID *	Set the name/SSID of BazePort Hotspot
Hidden SSID *	Disable hotspot to broadcast SSID
Hotspot password *	Set the password for connecting to BazePort Hotspot
VLAN Tag id *	Choose what tag id to use when tethering in trunked mode

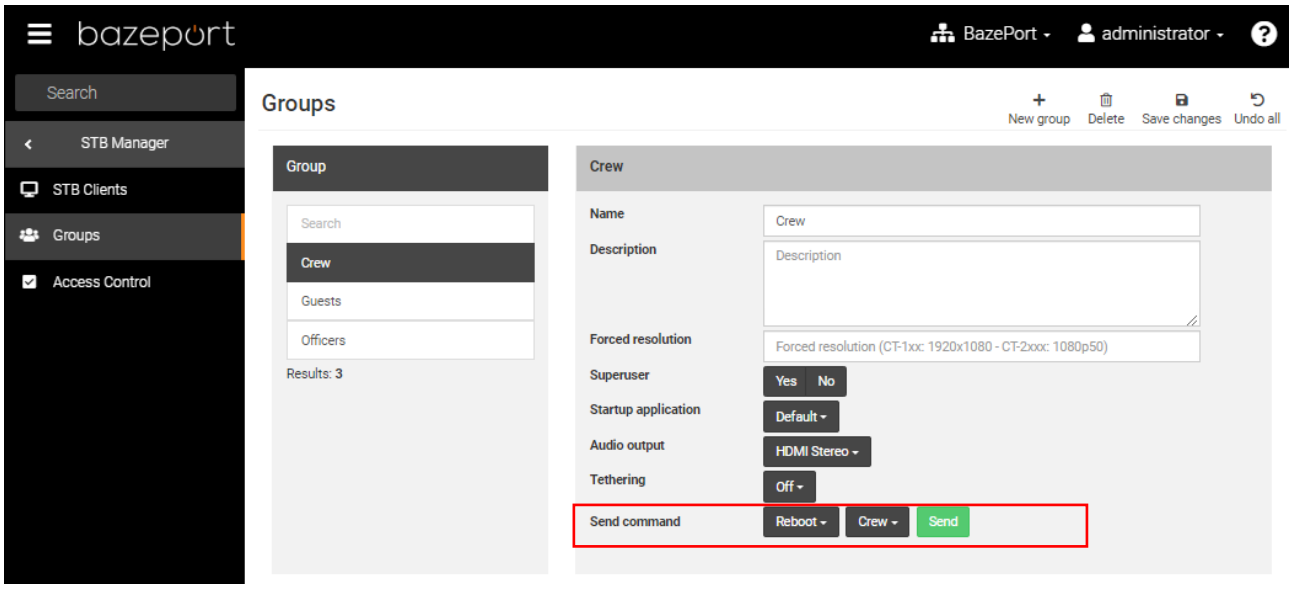
* Only visible when applicable

Tethering Modes are described in the table below:

Mode	Description
Off	Disabled
Wi-Fi hotspot – NAT	BazePort as Wi-Fi hotspot. A NATed subnet will be created.
Wi-Fi hotspot – Bridge	BazePort as Wi-Fi hotspot. Wi-Fi clients will be connected directly to the entertainment VLAN.
Wi-Fi hotspot – Trunk	BazePort as Wi-Fi hotspot. All traffic from Wi-Fi clients will be tagged with the defined VLAN tag id.
USB – NAT	Tethering via USB dongle. A NATed subnet will be created.
USB – Bridge	Tethering via USB dongle. Clients will be connected directly to the entertainment VLAN.

You can also **Undo all** changes made since last save by clicking on the **Undo all** button.
There is also a **Delete** button which will delete the selected access point.
Please remember to **Save changes** when you have filled in all details.

SEND COMMAND TO GROUP



As for the individual access points, there is also a possibility to send commands to all units in a selected group, or to all units. You can click on the group in the list of groups, and then you go to the **Send command** section of the group details.

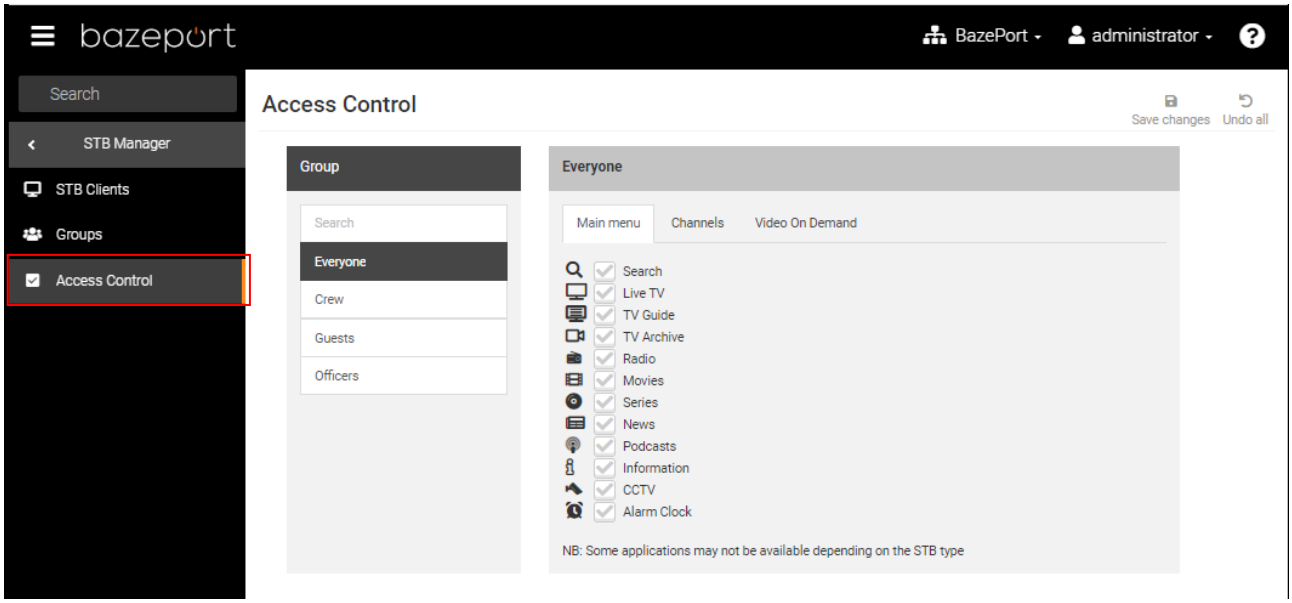
Please be very careful and avoid to unintentionally send a command to **All units**. The default value is to send commands to a selected group, however; it is possible to send to all units.

See table below for full list of commands.

Command	Description
Restart	Will reload settings and restart the client application. A restart only takes a couple of seconds and is sufficient for most setting changes.
Reboot	Full reboot of BazePort unit(s). Takes longer time than restart, but necessary in case of system-changes like updates and changes of group settings. E.g. tethering, forced resolution and audio output.
Wake-up	Wake up BazePort unit(s) from suspend or even power off. Note that this command does not apply to all models.
Shutdown	Turn off BazePort unit(s).
Check-out	Delete all private recordings and files on a BazePort unit.
Unregister	Unregister BazePort unit(s) from the database. If online, the unit(s) will restart and ask to be re-registered.
Redeploy	Wipe hard drive clean and redeploy unit from scratch. Use this in case of mysterious behavior of the BazePort unit (often caused by corrupt files).
Suspend	Sets the BazePort unit(s) in standby

ACCESS CONTROL

Access Control is available from the main menu choosing **Configure**, then **STB Manager**, then **Access Control**. **Access Control** limits BazePort units' accesses to different applications and content within the BazePort system.



HOW TO USE ACCESS CONTROL

The **Access control** is controlled using **Groups**. In order to define limited access for a BazePort unit, the BazePort unit must be member of a group. As you can see in the screenshot above, there is a group called **Everyone**. **Everyone** is a standard group defining the most common functionality or content that shall be available for all users. A new **Group** will have the functionality and content that is assigned to *Everyone* and additions to or subtractions from *Everyone*.

You can restrict **Group's** access to: BazePort applications, channels and Video on Demand categories. There are three tabs with functionality and content that you can control:

- **Main menu** – all end user applications
- **Channels** – all TV, radio and CCTV channels available in the system
- **Video on Demand** – Video on Demand categories defined in the system

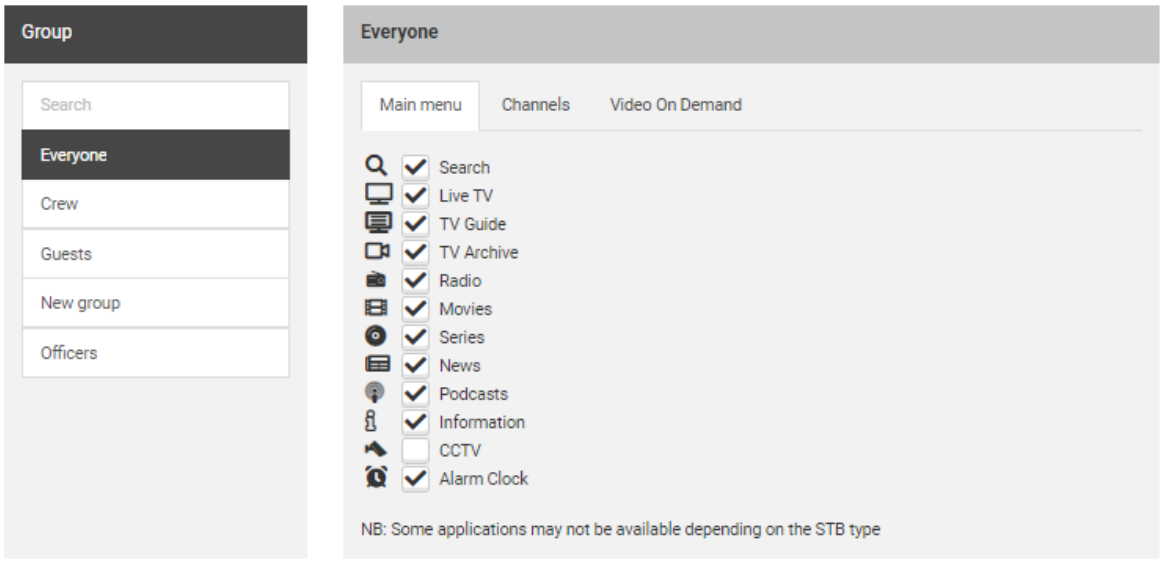
For all changes done in the **Access Control**:

- You can **Undo all** changes made since last save by clicking on the **Undo all** button.
- Please remember to **Save changes** when you have filled in all details

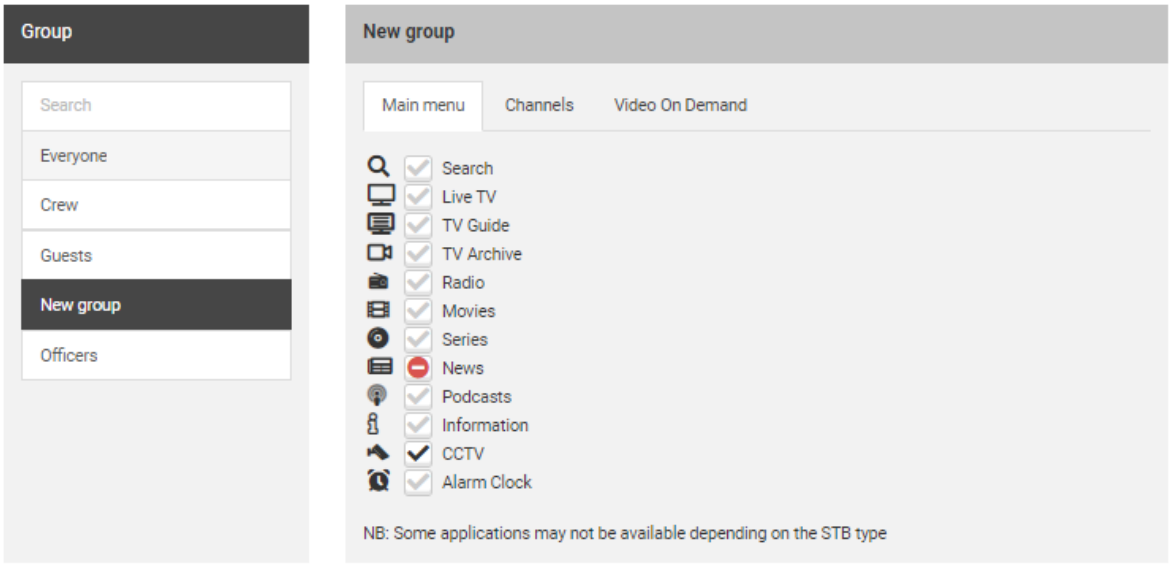
The next chapters will explain the possibilities behind each tab.

MAIN MENU

To control which groups that shall have access to the different BazePort applications, click on the **Main menu** tab. The screen below will be presented. To change the access for a **Group**, first select the **Everyone** group and ensure that the most common accesses in **Main Menu** is in place. Note that the CCTV application is removed from *Everyone*.



Then; select the group you want to change and add or remove functionality for the group. Note that the functionality selected for *Everyone* will be shown as grey ticker in the tick off boxes when working with the access for the **Group**. If you add an application it will be shown as black ticker in the tick off boxes, see **CCTV** application. If you remove an application a Do not enter sign will be shown in the tick off box, see **News** application.



Please note that for some installations this application will only be available for BazePort support team.

CHANNELS

To control which groups that shall have access to the different TV/Radio/CCTV channels, click on the **Channels** tab.

To change the access for a **Group**, first select the *Everyone* group and ensure that the most common accesses in **Channels** is in place. Then; select the group you want to change and add or remove channels for the group. Note that the channels selected for *Everyone* will be shown as grey ticker in the tick off boxes when working with the access for the **Group**.

If you add a channel it will be shown as black ticker in the tick off boxes. If you remove a channel Do not enter sign will be shown in the tick off box.

Please note that for some installations this application will only be available for BazePort support team.

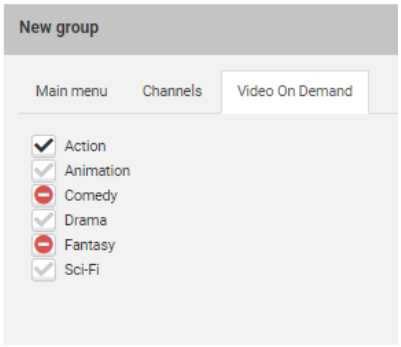
VIDEO ON DEMAND

To control which groups that shall have access to the different categories of **Movies** in Video on Demand, click on the **Video on Demand** tab.

To change the access for a **Group**, first select the *Everyone* group and ensure that the most common accesses in **Video on Demand** is in place. Then; select the group you want to change and add or remove movie categories for the group. Note that the categories selected for *Everyone* will be shown as grey ticker in the tick off boxes when working with the access for the **Group**.

If you add a category it will be shown as black ticker in the tick off boxes. If you remove a category Do not enter sign will be shown in the tick off box.

Here is an example of how it looks when you have added and removed access for a group:

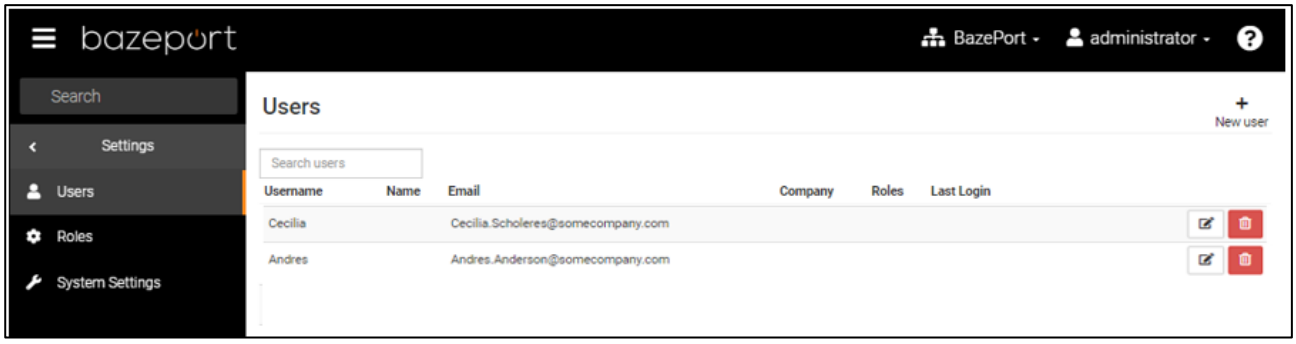


Please note that for some installations this application will only be available for BazePort support team.

SETTINGS

MANAGEMENT STUDIO USERS

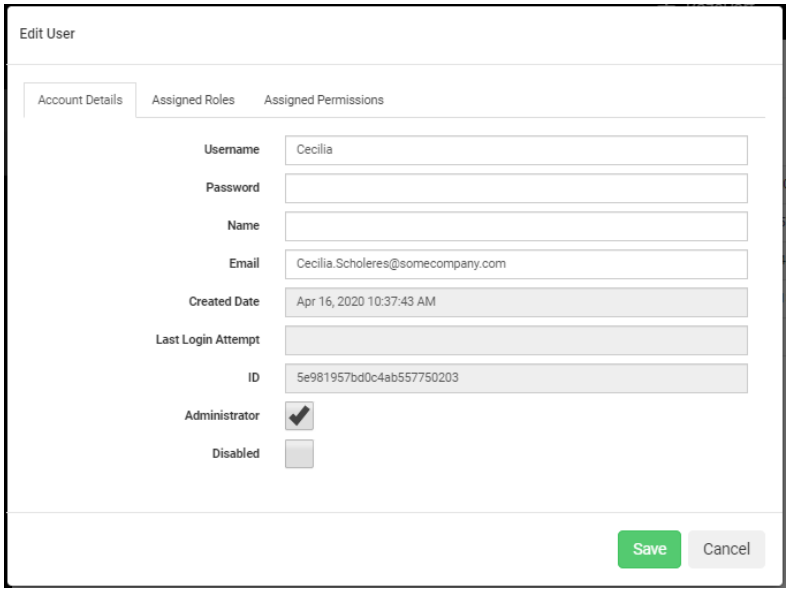
Administrators in your BazePort system can have different permissions in **BazePort Management Studio**. To create a new user, go to **Users** from the main menu choosing **Configure**, then **Settings**, then **Users**.



A user can have access to one or many **Management Studio** applications. You can define different roles and assign permissions to that role. This makes it safer to let different roles in your organization use the administrator tool, and you avoid having publishers accidentally change technical settings, or technicians accidentally change published content.

CREATE A NEW USER

Choose the **New** user button from the **Users** panel, this dialog will be presented:



Under the **Account Details** tab:

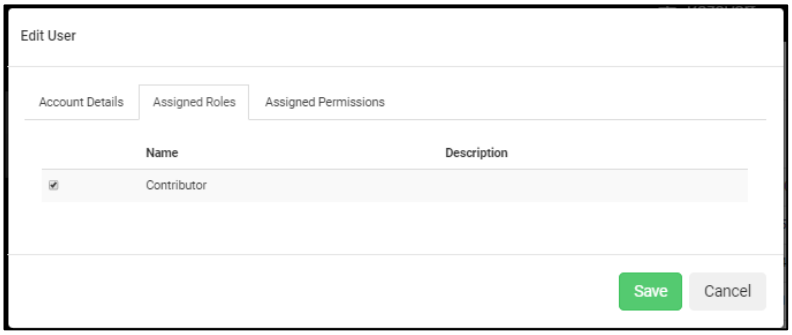
Fill out the white text fields.

Choose if the user should be an **Administrator**, meaning that he or she has access to everything in **Management Studio**, use the ticker box to tick off for user to be **Administrator**. If you tick off **Administrator** any choices made for user in the tabs **Assigned Roles** and **Assigned Permissions** will be overridden.

Choose if the user should be enabled or disabled, use the ticker box to tick off for user to be **Disabled**.

Save the changes by clicking the green **Save** button and user will be created.

User the **Cancel** button if you to abort the actions.

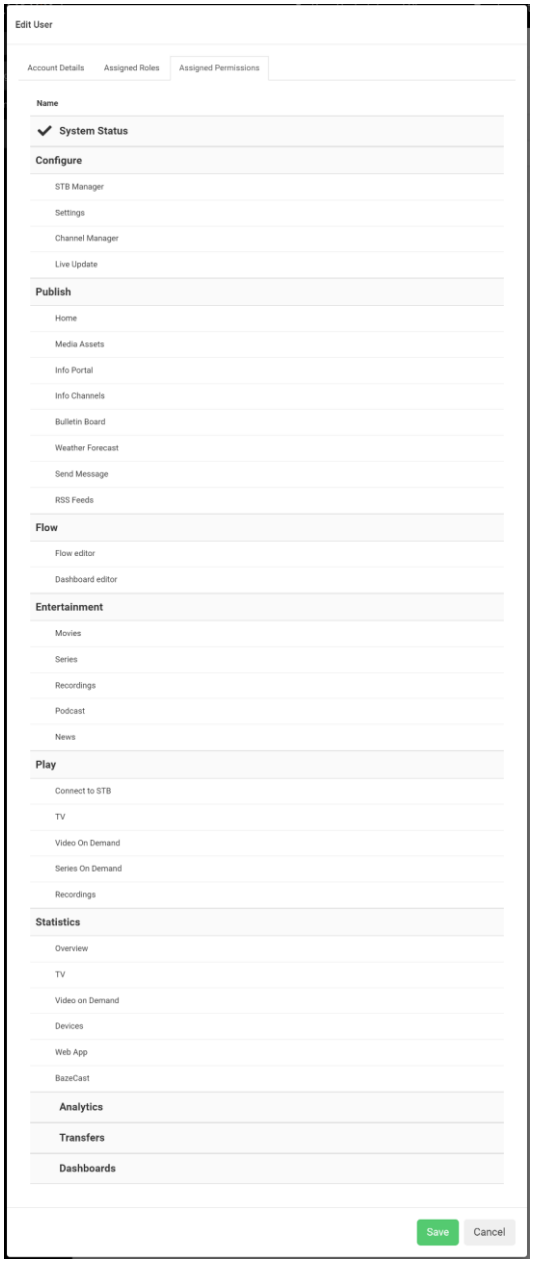


Under the **Assigned Roles** tab:

Tick off the roles the user shall have.

Save the changes by clicking the green **Save** button and user will be assigned the ticked off roles.

User the **Cancel** button if you to abort the actions.



Please note that if the user is already set up to be an **Administrator** it is not necessary to assign additional roles, the **Administrator** role will override this.

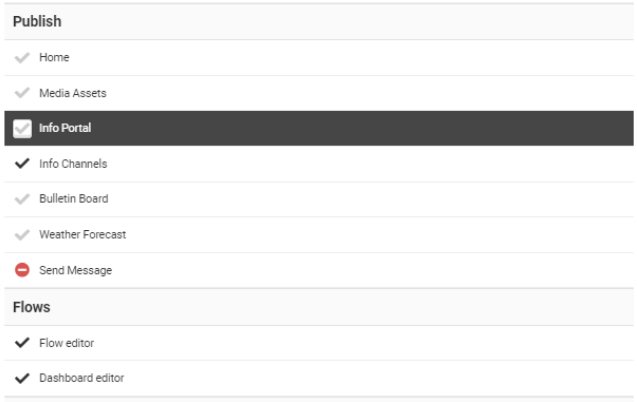
Please note that the **Roles** are created under the menu item **Roles** in Settings -> Roles.

Assigned Permissions tab:

Tick off any additional permissions you would like to add to the user.

Please note that if the user is already set up with a role, the permissions assigned as part of the role can be changed; you can remove permission. If you remove permission for an application a **Do not enter sign** will be shown in the tick off box, see **Send message** application below.

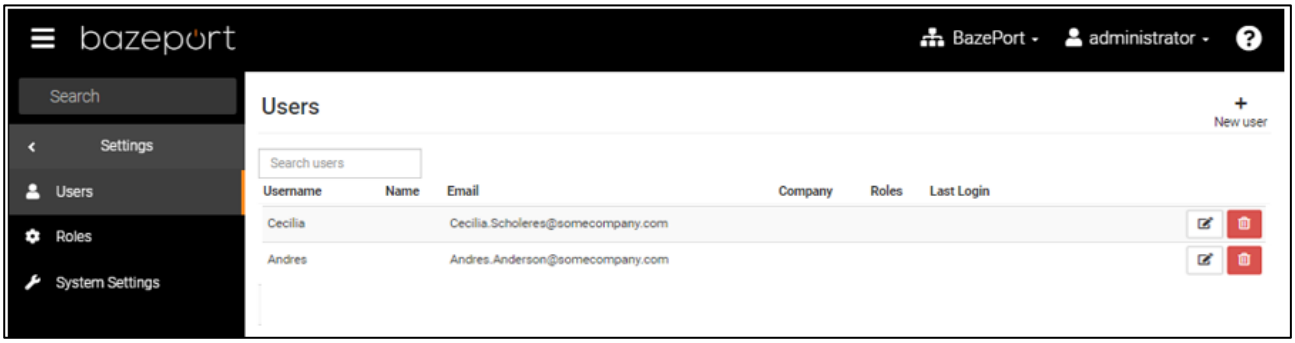
You can add applications, see the **Flow Editor** and the **Dashboard Editor** below.



Please note that if the user is already set up to be an **Administrator** it is not necessary to assign additional roles, the **Administrator** role will override this.

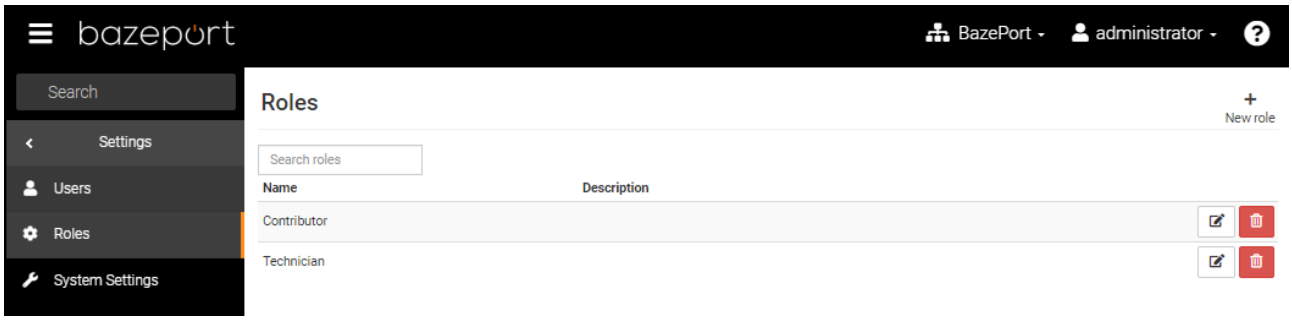
DELETE AN EXISTING USER

To delete a user choose the red **Delete** button next to the user.



MANAGEMENT STUDIO ROLES

Administrators in your BazePort system can have different permissions in **BazePort Management Studio**. To create a new role, go to **Roles** from the main menu choosing **Configure**, then **Settings**, then **Roles**.



From here, you can define different roles and assign permissions to the role.

CREATE A NEW ROLE

Choose the **New role** button from the **Roles** panel, this dialog will be presented:

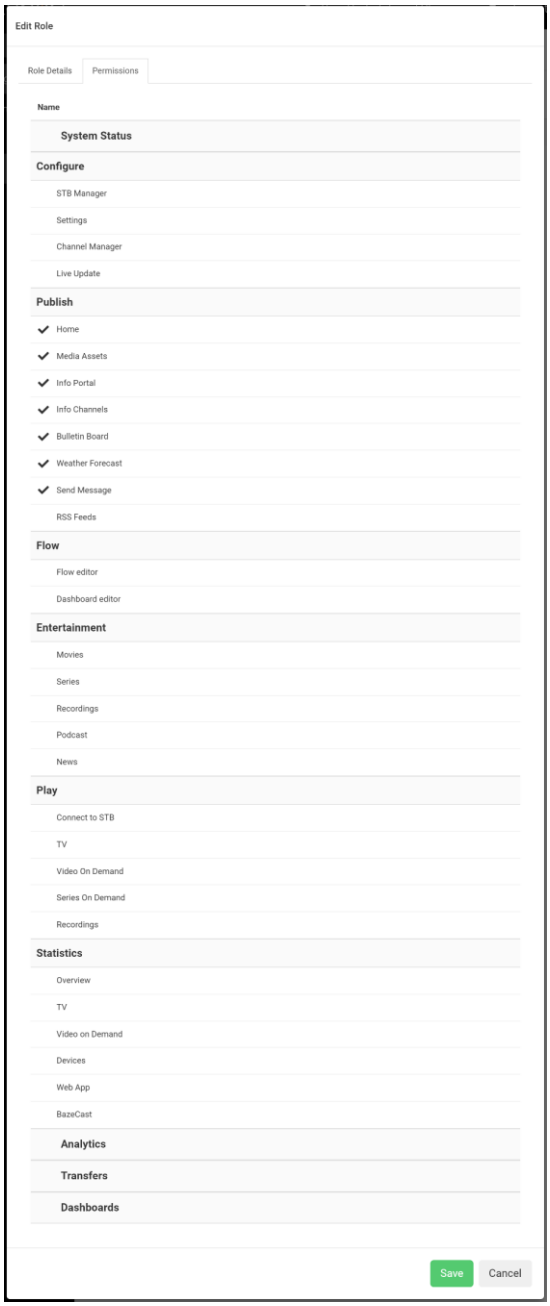
Under the **Role Details** tab:

Fill out the white text fields.

Choose if the role should be enabled or disabled, tick off to choose **Disabled**.

Save the changes by clicking the green **Save** button and user will be assigned the ticked off roles.

User the **Cancel** button if you to abort the actions.



Assigned Permissions tab:

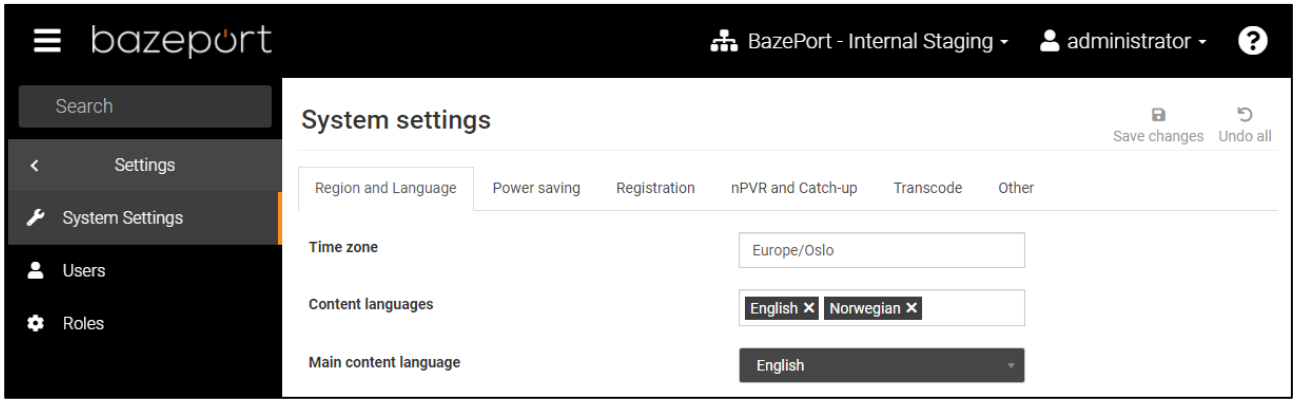
Tick off any permissions you would like to add to the role.

Save the changes by clicking the green **Save** button and user will be assigned the ticked off roles.

User the **Cancel** button if you to abort the actions.

SYSTEM SETTINGS

System settings are the overall settings for your BazePort system. You can find the **System settings** panel from the main menu choosing **Configure**, then **Settings**, then **System Settings**.



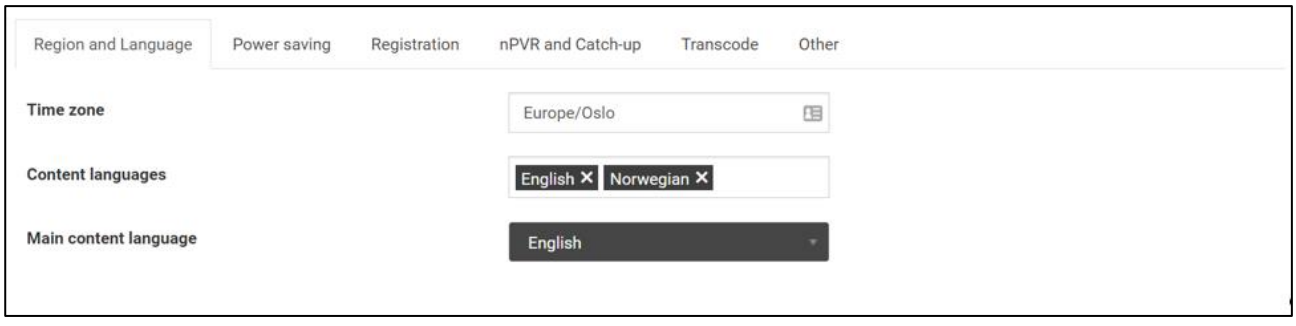
The **System Settings** page is divided into sections using tabs. In the following sections, the settings are explained per tab:

- Region and Language
- Power saving
- Registration
- nPVR and Catch-up
- Transcode
- Other

Save changes: Please remember to **Save changes** when you have filled in all details.
Undo all: You can also **Undo all** changes made since last save by clicking on the **Undo all** button.

Please note that settings that are not relevant for your setup are not presented in your **System settings**. **nPVR and Catch-up** and **Transcode** are examples of settings connected to license purchases and not relevant for all setups.

REGION AND LANGUAGE

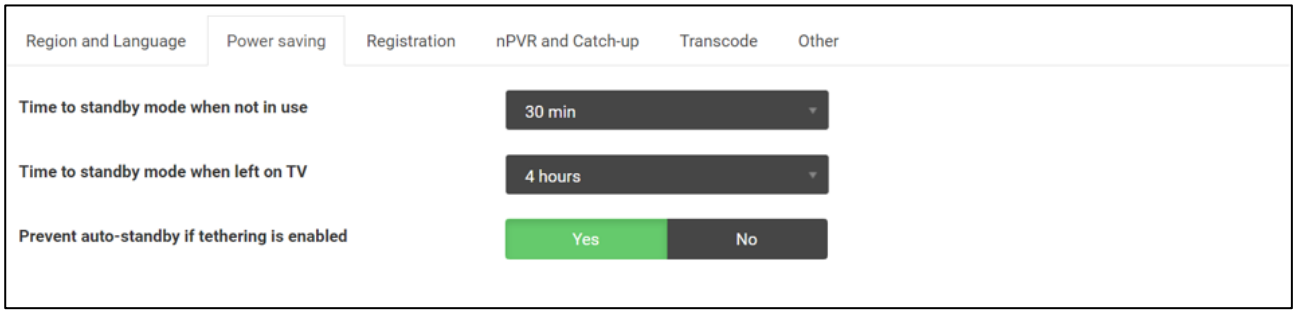


Time Zone: This defines what time zone the BazePort system shall use. It must be set to vessel location for the clock to show correct time and EPG data to be displayed accurately.

Content Languages: All of the different languages your content can be presented in. Applies to content prepared in Info Portal, Movies, Series and other.

Main Content Language: The fallback language for presentation of content. If a language is defined in the setting **Content Languages** but content is not prepared for a specific language yet, the content prepared for the **Main Content Language** will be presented instead.

POWER SAVING

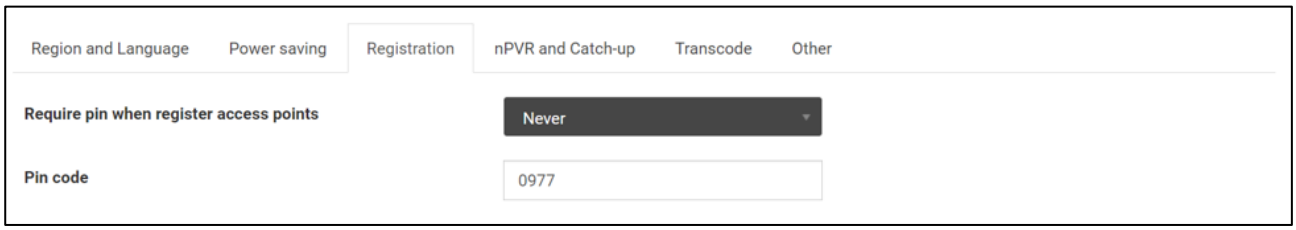


Time to standby mode when not in use: This is the timeout interval for how long after last key press on the remote control before BazePort enters standby when BazePort is idle (not playing video, audio or presentation). The user is presented a dialog with option to abort before the system actually is entering standby.

Time to standby mode when left on TV: Timeout interval for how long after last key press on the remote control before BazePort enters standby when BazePort is playing video or audio. The user is presented a dialog with option to abort before the system actually is entering standby.

Prevent auto-standby if tethering is enabled: If checked, BazePort will never try to enter standby on units with tethering (Wi-Fi hotspot) enabled.

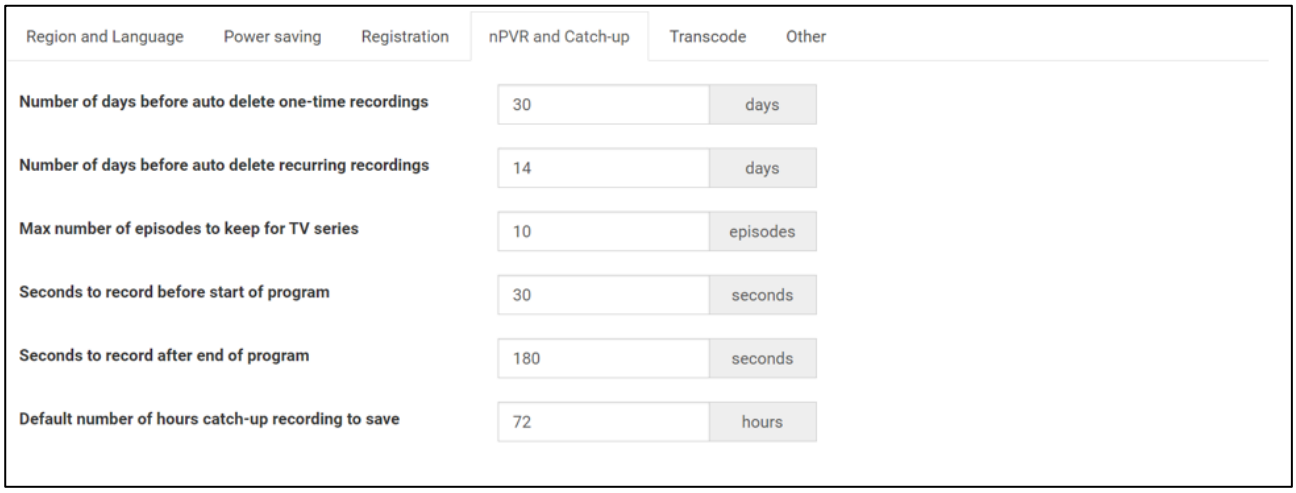
REGISTRATION



Require pin when register access points: Valid options: ‘Never’, ‘On overwrite’ and ‘Always’. If something other than ‘Never’ is selected the BazePort cabin terminals will prompt for pin code when trying to register. When ‘On overwrite’ is selected, pin is only required when trying to register a BazePort cabin terminal to an access point already assigned to another unit.

Pin code: The value registered in this field will be the pin code one needs to enter when registering access points.

NPVR AND CATCH-UP



Number of days before auto delete one-time recordings: If set, all one-time (not recurring) recordings will be automatically deleted when they are older than given value.

Number of days before auto delete recurring recordings: If set, all recordings part of a recurring schedule will be automatically deleted when they are older than given value.

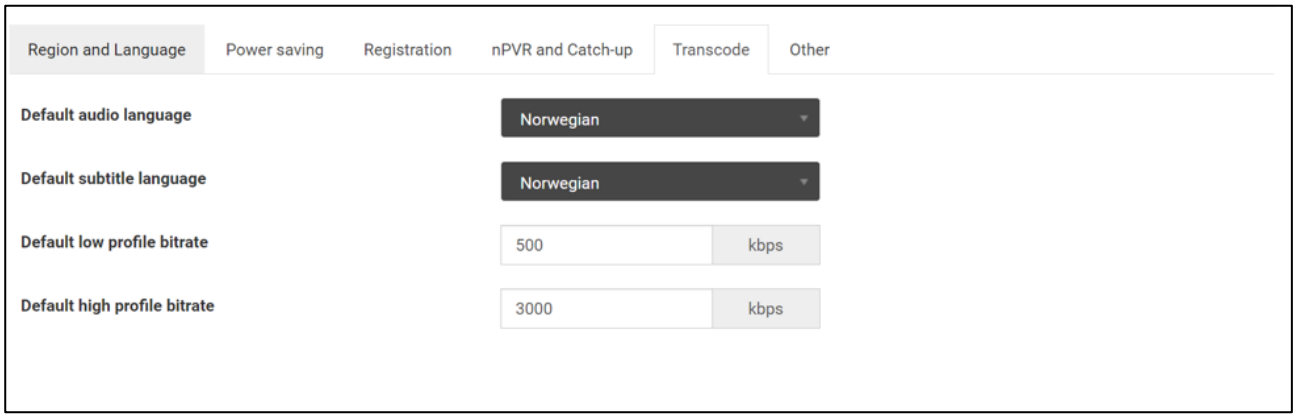
Max number of episodes to keep for TV series: If set, the oldest recording part of a recurring schedule will be automatically deleted when number of recordings within the schedule have exceeded given value.

Seconds to record before start of program: How many seconds to record prior to scheduled program start time.

Seconds to record after end of program: How many seconds to record after scheduled program end time.

Default number of hours catch-up recording to save: How many hours to keep catch-up recordings for each channel. This setting can be overridden on channel level in **Channel Administrator**.

TRANSCODE



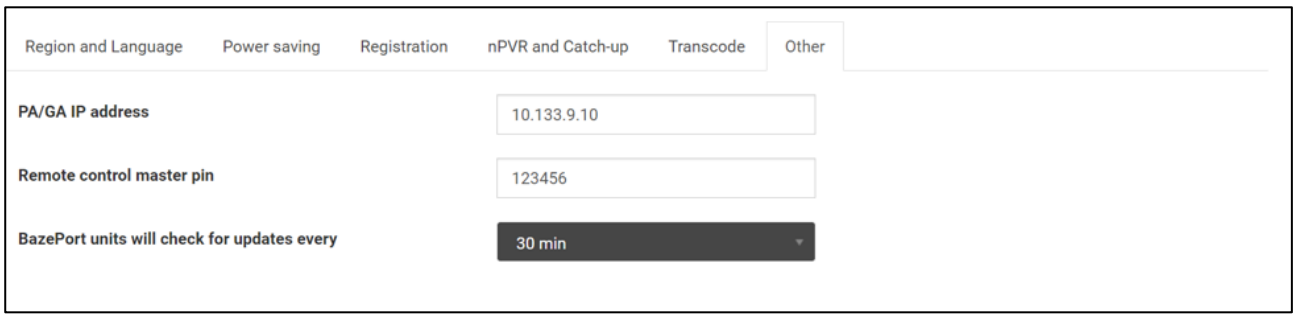
Default audio language: In case of transcoding, this setting defines default audio language to use in the transcoded output. If no tracks matches the selected language, the first track will be used. This setting can be overridden on channel level in **Channel Administrator**

Default subtitle language: In case of transcoding, this setting defines default subtitle language to use in the transcoded output. If no tracks matches the selected language, the first track will be used. This setting can be overridden on channel level in **Channel Administrator**

Default low profile bitrate: Bitrate in kilobit per second used for the low bitrate profile. Higher bitrate means better quality but also increased network and server load. Recommended values are 300-1000. This setting can be overridden on channel level in **Channel Administrator**

Default high profile bitrate: Bitrate in kilobit per second used for the high bitrate profile. Higher bitrate means better quality but also increased network and server load. Recommended values are 2000-4000. This setting can be overridden on channel level in **Channel Administrator**

OTHER



PA/GA IP address: IP address used for communicating with a PA/GA system.

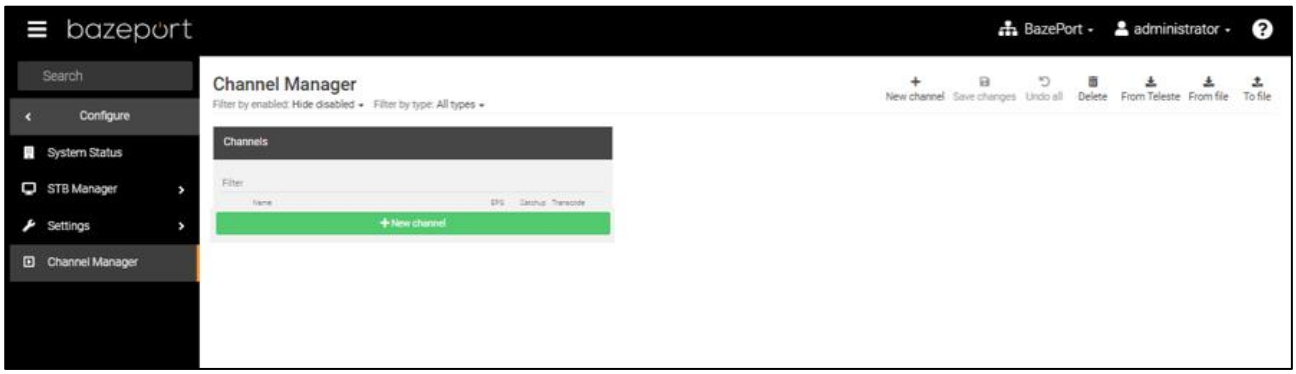
Remote control master Pin: This master pin is for described in the user manual for Play. It is used to get master access to BazePort Management Studio from remote devices.

BazePort clients will check for updates every: Indicates how often the BazePort cabin terminals will query the server for updates. Important note: No internet traffic is involved in this query, and it is recommended to leave this at '30 min'.

CHANNEL MANAGER

Channel Manager is the application you use to add new TV channels and configure channels from the TV channel receiver. You can find **Channel Manager** panel from the main menu choosing **Configure**, then **Channel Manager**.

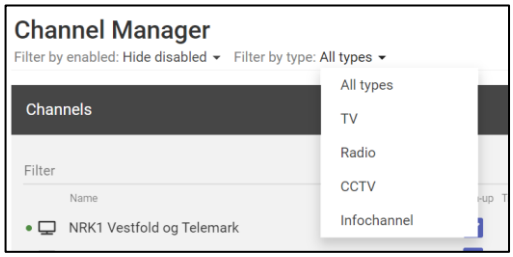
Below is a picture which shows an empty channel list that will be presented to you when you first click on **Channel Manager** in the menu. In the next chapters we will cover the different elements of the **Channel Manager**, i.e. adding, editing and deleting channels.



Please note that for some installations this application will only be available for BazePort support team.

FILTERS AND BUTTONS

Filters



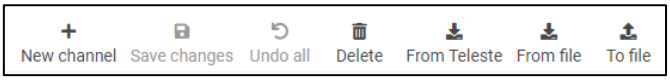
The possibilities to filter the TV channel list is shown in the screen below.

The following table shows the different filters that can be set:

Field	Description
Filter by enabled	Hide or show disabled channels
Filter by type	All types, TV, Radio, CCTV or Infochannel

Buttons

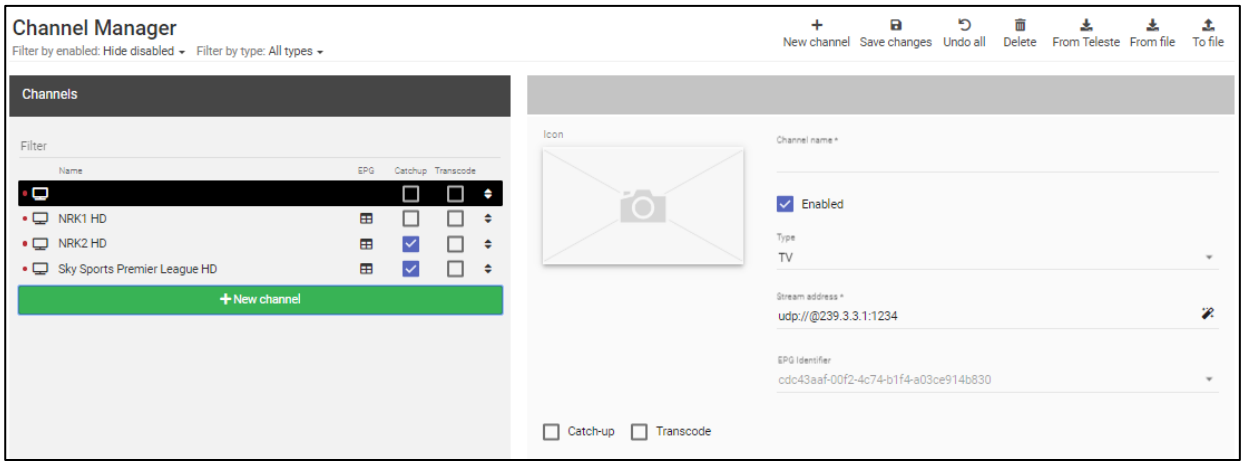
The following table gives a short explanation of the buttons in the top right corner of the **Channel manager**.



Button	Description
New Channel	Add new channel
New Batch	Add multiple channels
Save changes	Saves the changes done since last save
Undo	Undo changes made since last save
From Teleste	Import channels from Teleste. This will only add channels found on Teleste and missing in BazePort. No channels are edited or removed with this command. NB! Only works if Teleste is configured with IP 10.40.0.14
Restore from file	Import channel configuration from file. Restoring configuration will clean the current configuration prior to import.
Save to file	Export channel configuration to file (channels.jsv)

ADDING NEW CHANNEL

Click on the **New channel** button. The following screen comes up.

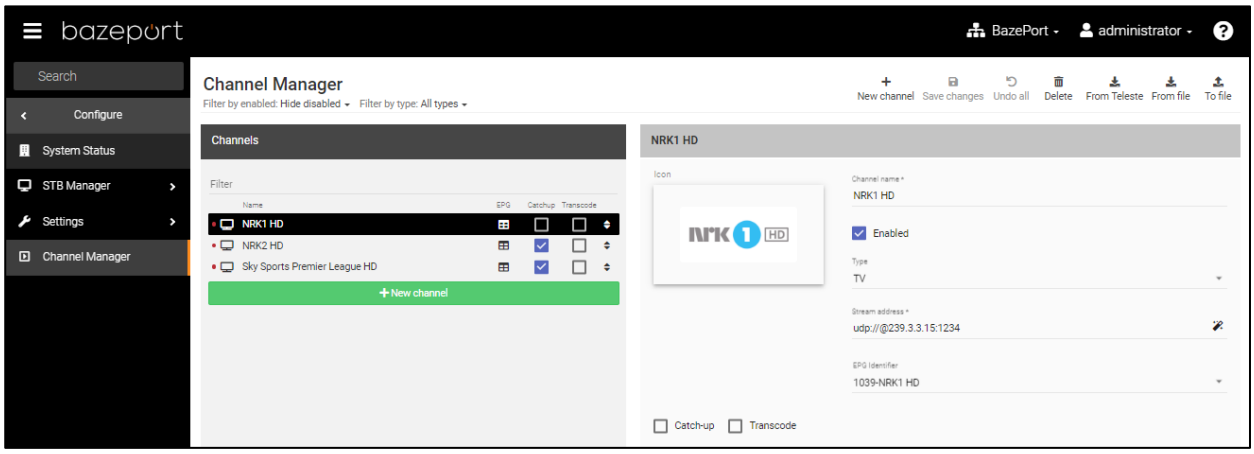


Fill out the fields according to the table below.

Field	Description
Channel name	Name of channel that will appear in the end users' TV application
Stream address	URL to where the channels are streaming. This address is configured on the IPTVGW.
EPG Identifier	Choose the correct EPG identifier
Type	TV, Radio or CCTV
Catch-up	Enable catch-up for this channel. (requires catch-up license)
Hours to save	(Visible if Catch-up is enabled). Set number of hours of catch-up recordings to keep. By default it will fall back to value set in **System Settings**
Transcode	Enable transcoding for this channel. (requires transcode license)
Subtitle language	(Visible if transcode is enabled). Select subtitle language to use in transcoded output. By default it will fall back to value set in **System Settings**
Audio language	(Visible if transcode is enabled). Select audio language to use in transcoded output. By default it will fall back to value set in **System Settings**
Low profile bitrate	(Visible if transcode is enabled). Bitrate in kilobit per second used for the low bitrate profile. Recommended values are 300-1000. By default it will fall back to value set in **System Settings**
High profile bitrate	(Visible if transcode is enabled). Bitrate in kilobit per second used for the high bitrate profile. Recommended values are 2000-4000. By default it will fall back to value set in **System Settings**
Enable	If this box is ticked off, the channel will show up in the channel list on the clients.

Undo all: You can also **Undo all** changes made since last save by clicking on the **Undo all** button.
Save changes: Please remember to **Save changes** when you have filled in all details and you are happy with your changes.

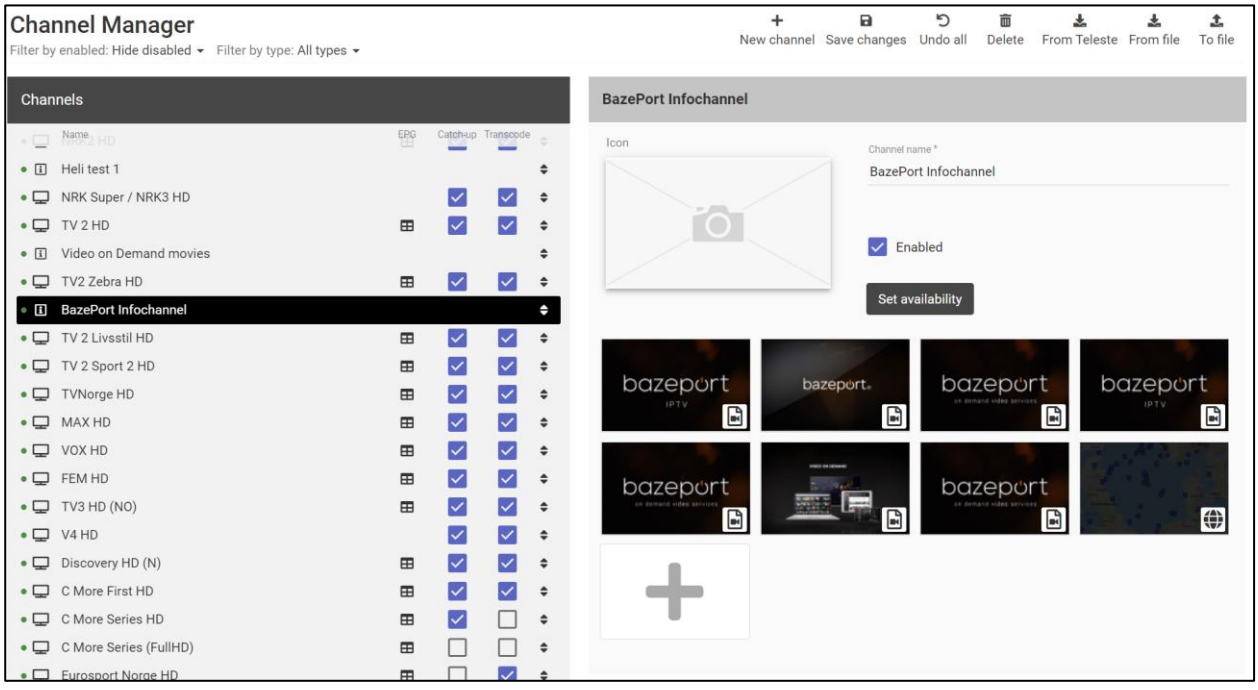
This is how a list of channel list may look;



Notice how the fields **Catchup** and **Transcode** now are configurable in this window by just ticking the boxes. Sorting of channels can also be performed by a simple drag and drop. The status is either a green or red box, depending on whether the channel is streaming or not.

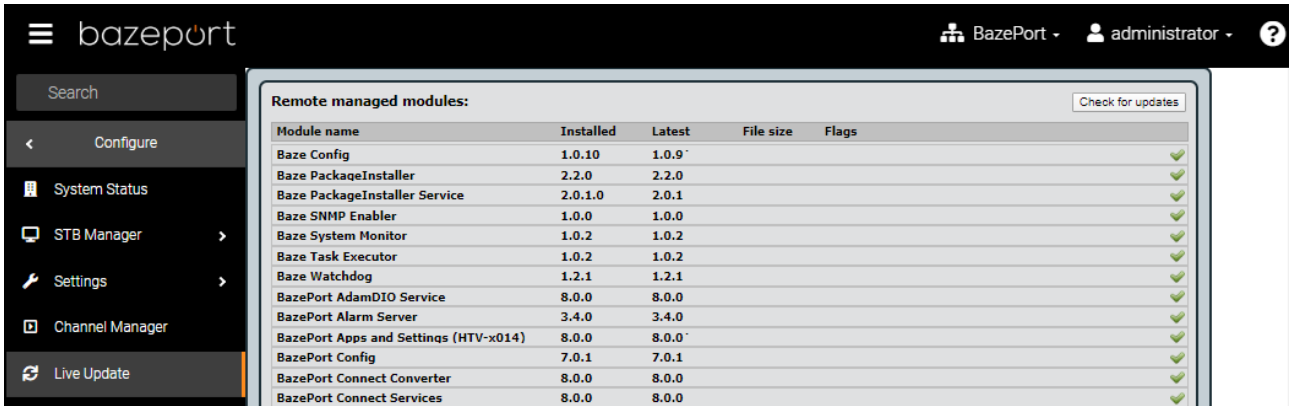
EDIT INFO-TV CHANNELS

When an **Info-TV channel** has been created (from the **Publish** section), it is automatically added to the TV channel list in the **Channel Manager**. Within the **Channel Manager** it's possible to edit the Info-TV channels' properties. You can change the channel name, add a logo, change availability, change the assets and even change the order the assets are played with drag and drop. Note that all these properties, except for adding logo, can be changes from Publish Info-TV channel section as well.

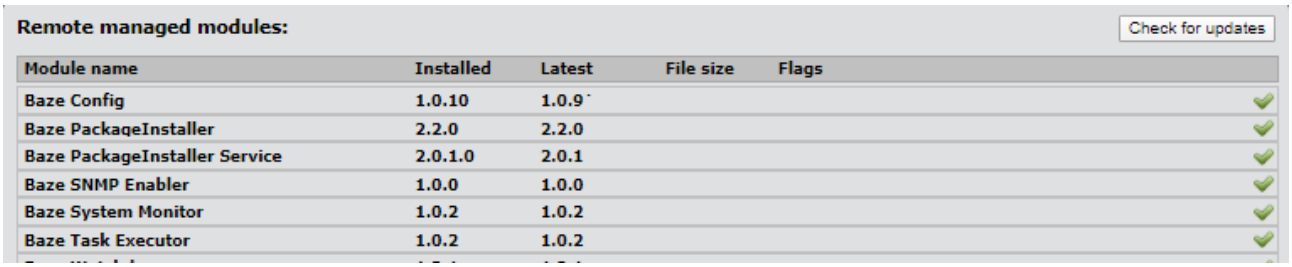


LIVE UPDATE

Live Update gives you a complete overview of your installed services and functions. Baze Technology strongly advices that you check the section for Live Updates at regular intervals. You can find **Live Update** panel from the main menu choosing **Configure**, then **Live Update**.



Through **Live Update** you are able to review, download and install new releases of your services.



Column	Description
Module Name	Name
Installed	Version installed on your server
Latest	Released version available on mybazeport.com
File size	Size of installation package
Flags	Indicates type and importance of module

Status	Description
	Up to date
	Click to view release notes
	Download
	Downloading
	Install
	Installing
	Wait
	Installation failed, click to see log

STATISTICS

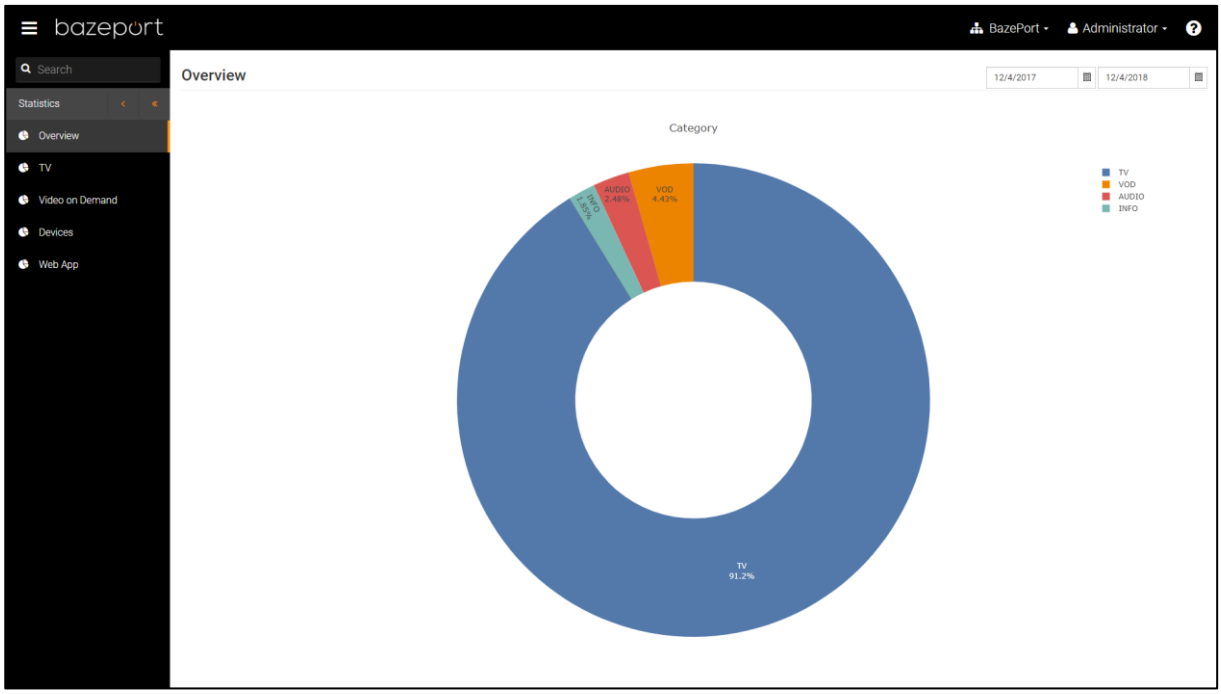
Statistics is the application you use to get an overview of what content your users are viewing. You can find **Statistics** panel from the main menu choosing **Statistics**.

All the statistics pages shows usage for the last year (or as far back as the data is logged if less than a year).

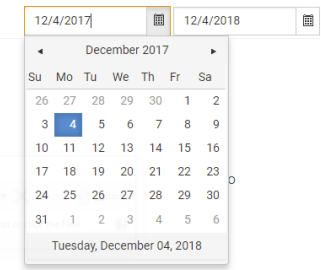
Please note that **Statistics** is only available from the local server.

OVERVIEW

The **Overview** initially shows usage by content category in percent.

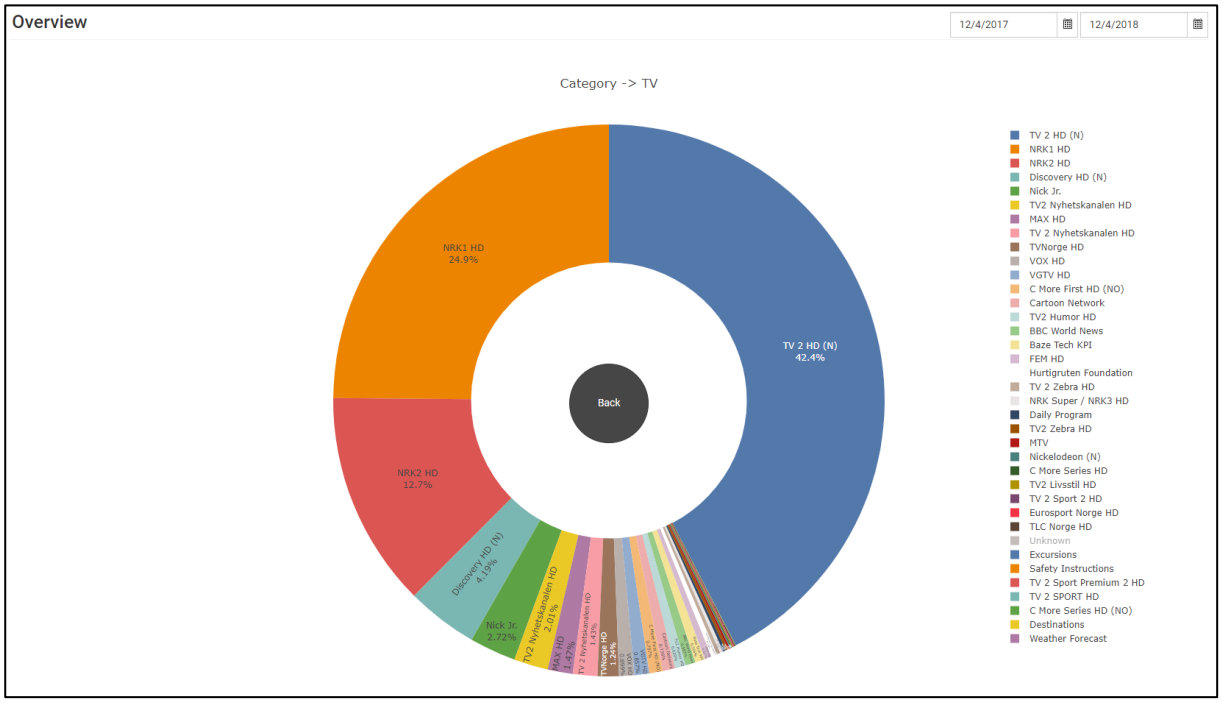


At the top right you can see the current date range. The date field to the left shows the *from date*, and the field to the left shows the *to date*. To change these values, click either one and adjust the values.



The labels to the right of the pie chart are clickable and used for excluding selected data from the representation.

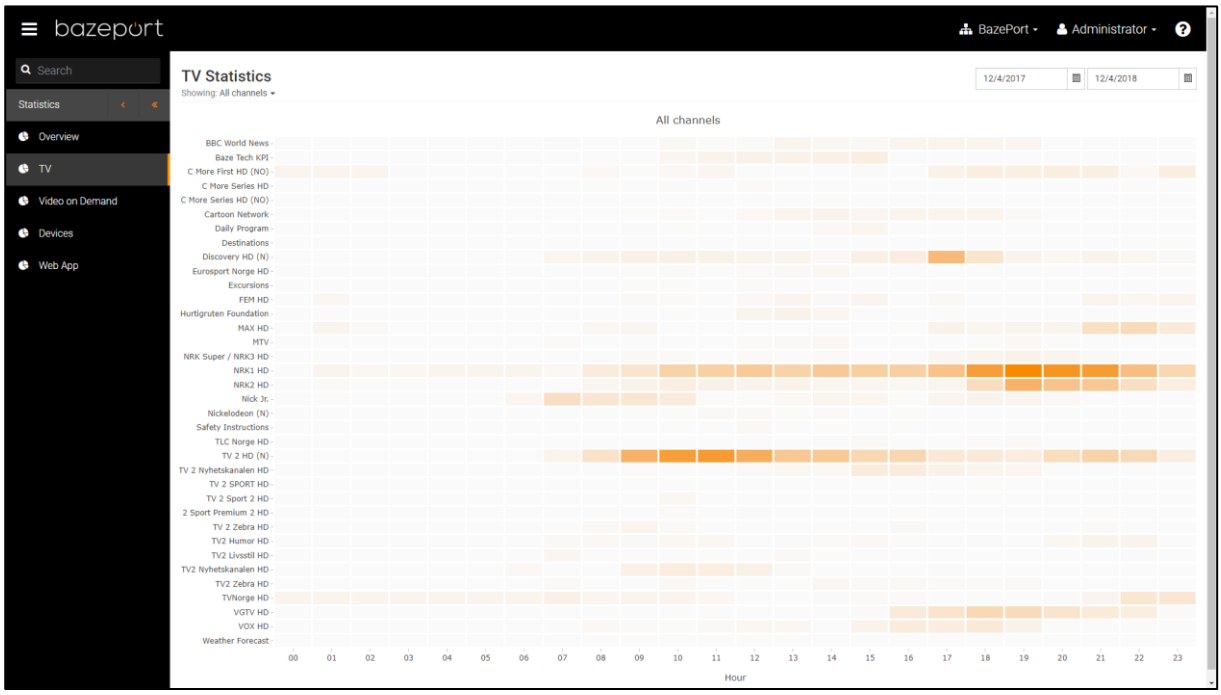
To drill down into a category, click any of the pie chart pieces. In the next screenshot we have clicked on TV and the pie chart now shows usage of TV for each channel. Notice the **Back** button in the middle of the chart. Clicking this will take you back to the previous level.



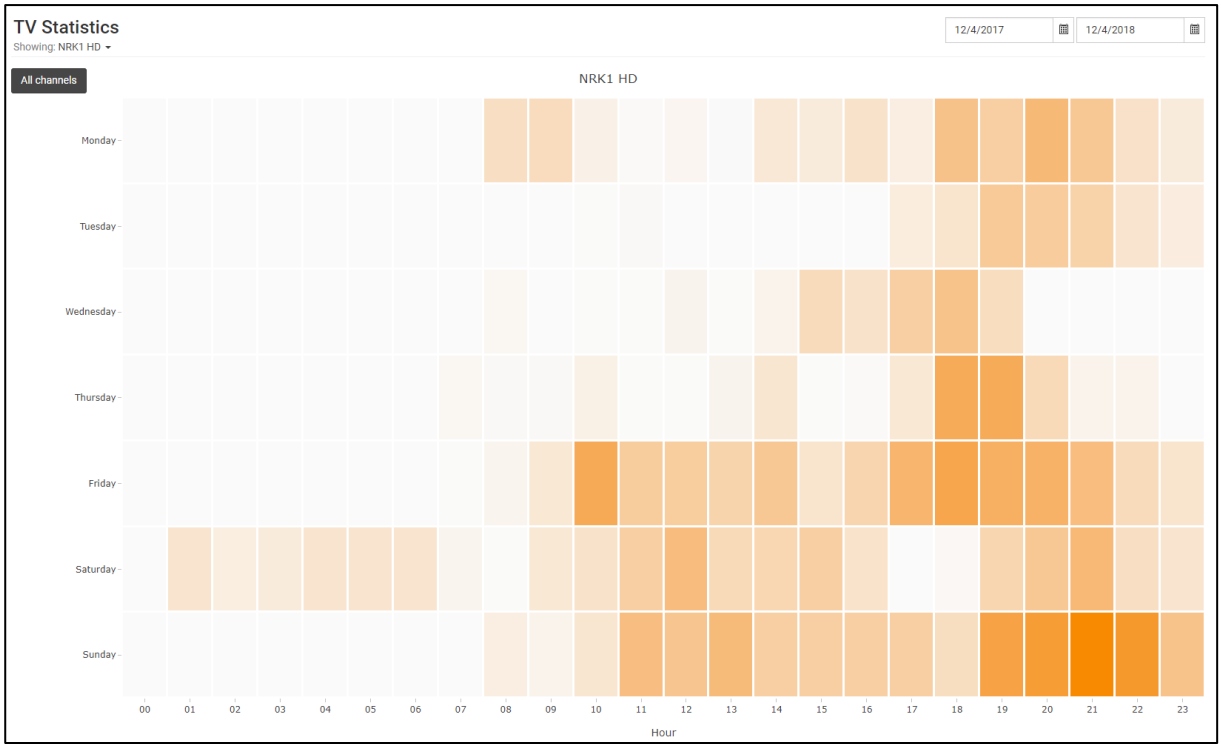
You can dig even deeper and see what show your users are watching on a given channel.

TV STATISTICS

The **TV Statistics** page shows a heat map of which channels are watched and at what time.

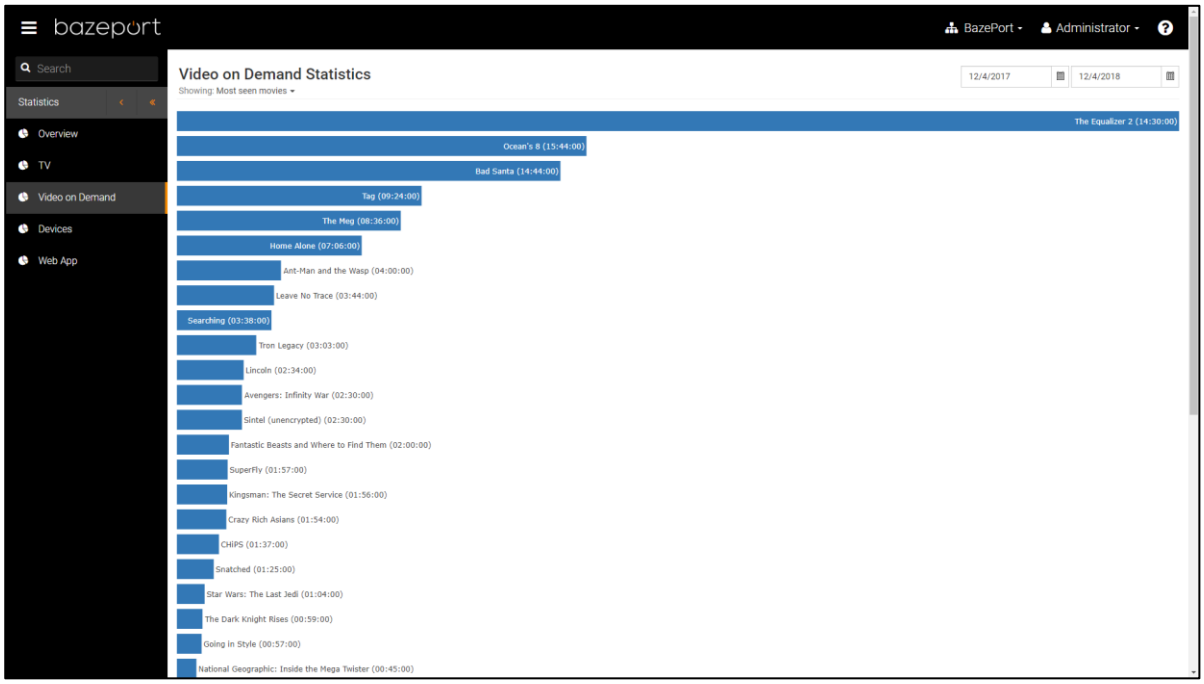


For a week based heat map for a given channel, click on any of the channel names or select from the drop down menu below the page header. Here is an example of usage for NRK1 HD.

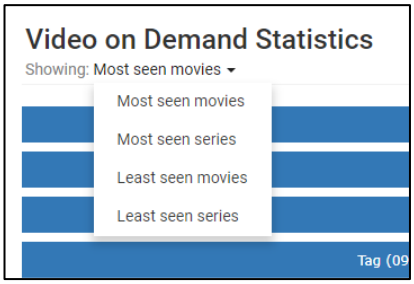


VIDEO ON DEMAND STATISTICS

This page initially shows a horizontal bar chart of the most seen movies in the VOD library for the selected period. You can change the period by adjusting the date fields in the top right corner.



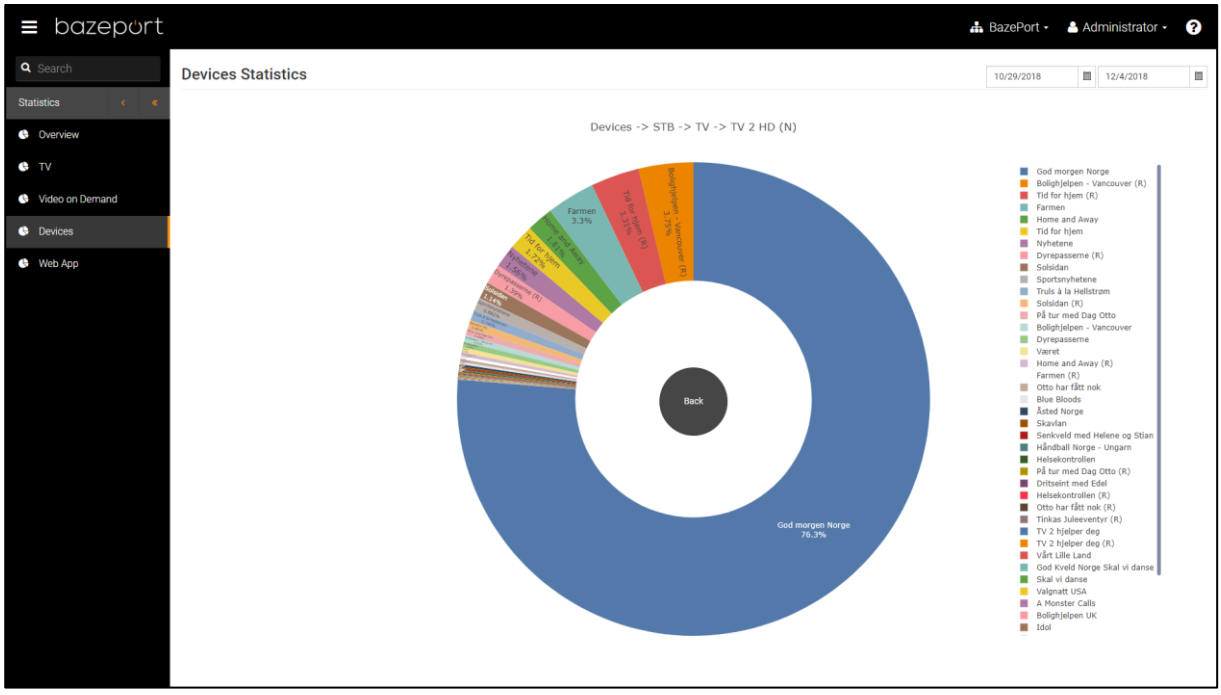
The text displayed on or next to the bar is the title of the movie or series and episode followed by how many hours the video has been watched in total.



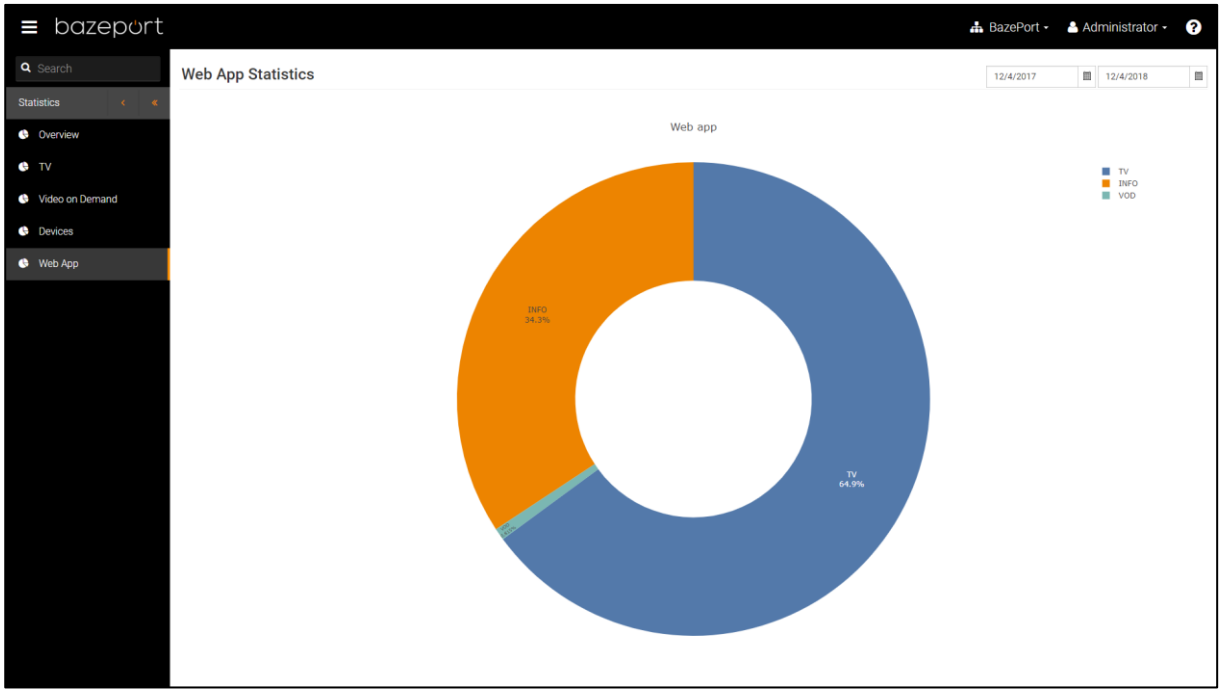
Use the drop down menu below the page header to change data set and order.

DEVICES STATISTICS

The **Devices Statistics** shows a pie chart overview starting with type of device. The example below shows the usage for one TV channel viewed exclusively on STB's.



WEB APP STATISTICS



If your system has a **BazePort Web app** installed, this page will give insight to what part of the app the users are spending time on and can click a pie chart piece to drill down into any of the categories to see in detail how the app is consumed by the users.

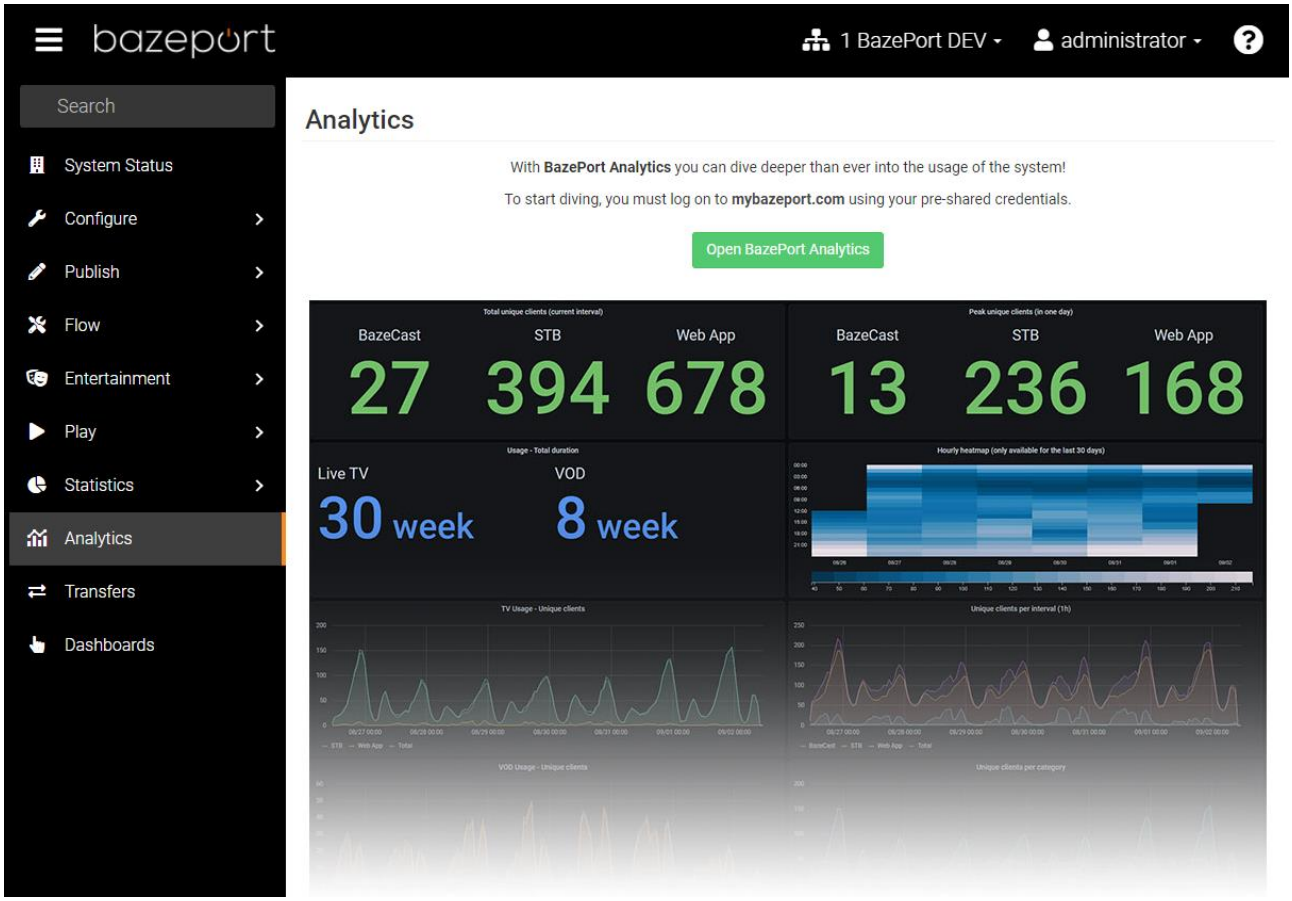
BAZECAST STATISTICS

If your system has BazeCast installed, there will be a statistics page for the use of BazeCast.

ANALYTICS

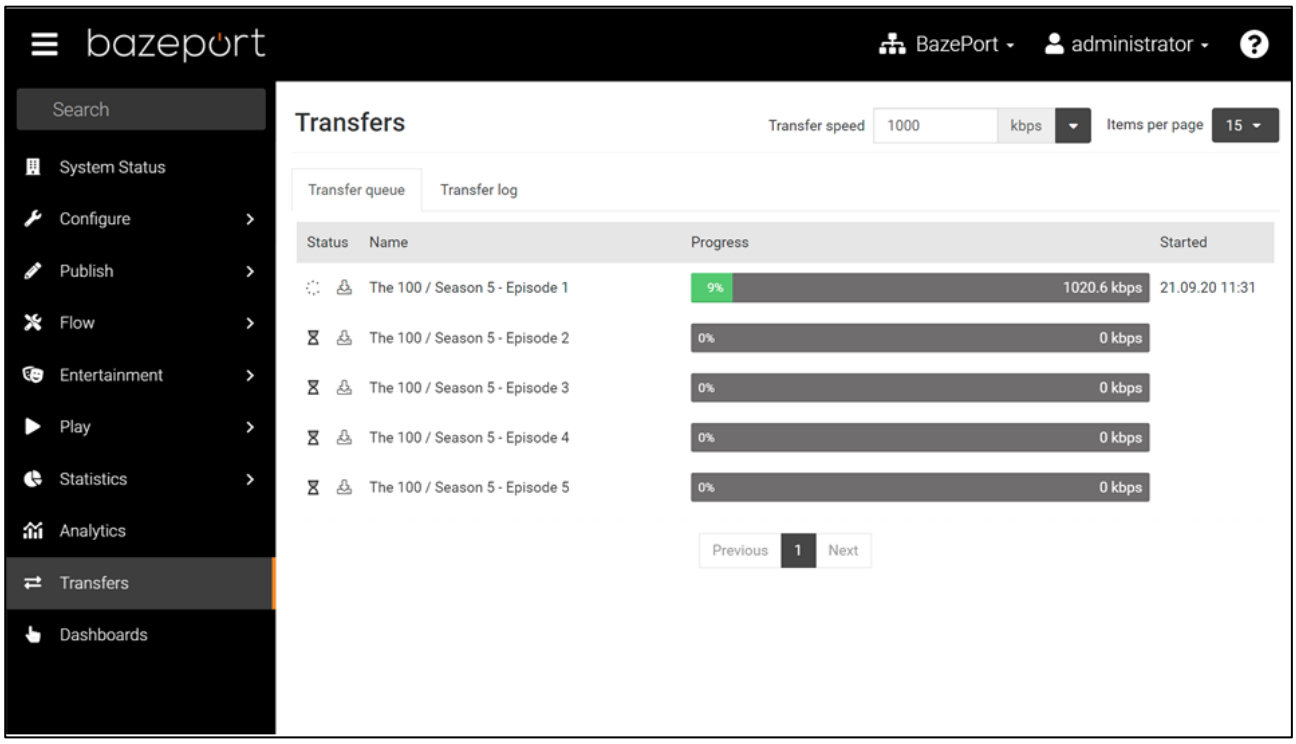
Analytics gives detailed insights into how BazePort is used. You can browse, filter and investigate usage and trends.

Analytics is only available from cloud application mybazeport.com. A shortcut to **Analytics** is available from this menu, see the green button in the picture below. Please note that cloud applications requires extra licenses.



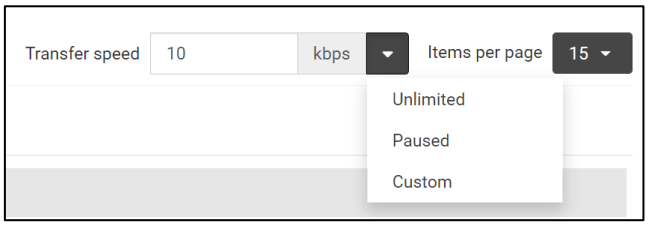
TRANSFERS

Tranfers is the application you use to get an overview of what content (both **VOD content** and **Assets**) is about to be transferred to and from the cloud, and what has already been transferred. You can find **Transfers** in the main menu choosing **Transfers** at the top level.



TRANSFER SPEED

The **Transfer speed** controller is located at the top of the page. The dropdown button also gives you the options to **Pause** all transfers or disable the transfer limit by selecting **Unlimited**. When selecting **Custom** you can set a transfer in kbps by editing the input field – write your preferred transfer speed in kbps.

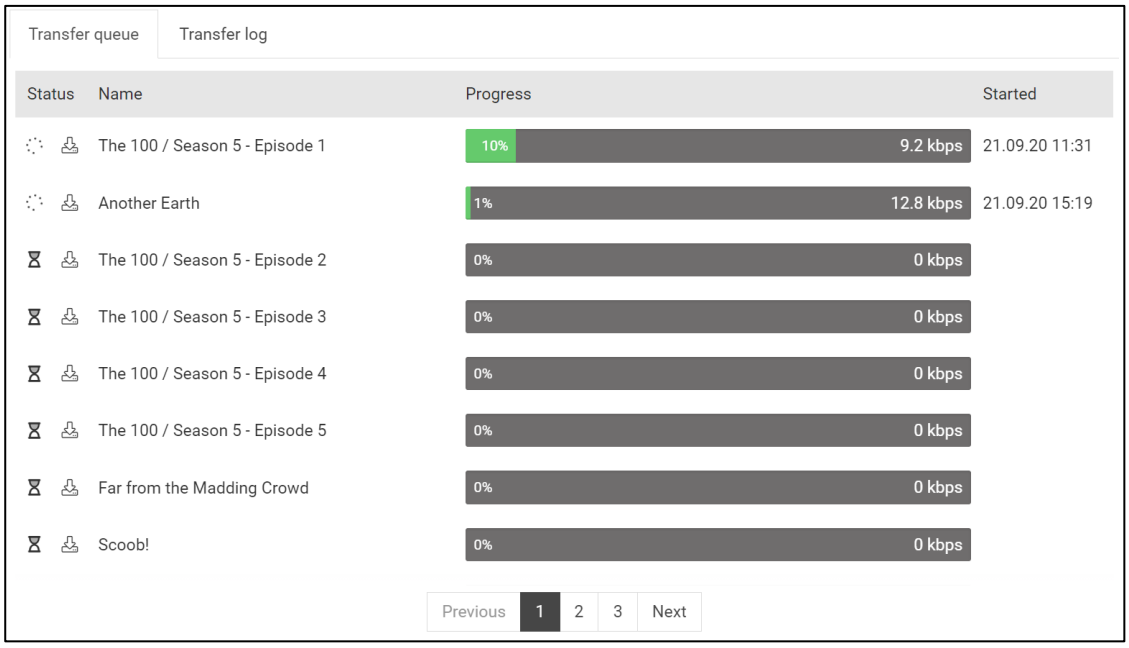


ITEMS PER PAGE

The items per page setting located at the top limits how many items to be displayed per page in the **Transfer queue** and in the **Transfer log.** The page navigation is located at the bottom of these lists.

TRANSFER QUEUE

The transfer queue is available under the **Transfer queue** tab.



TRANSFER QUEUE TAB

The transfer queue shows the current items that is either being transferred or that is about to be transferred (queued).

The following icons are used to explain status of the transfers, icon is shown in the **Status** column in the far left of the table:

If the status shows a spinning circle of dots, it means it's being transferred, and if the status shows an hour glass, it means it's in queue.

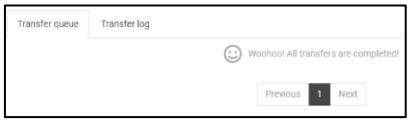
The symbols to the right in the status column indicates if the item is being downloaded to the local server, or if it's being uploaded to cloud.

The rest of the columns gives information about name, transfer speed and transfer progress, and when the transfer was started.

You can browse through other items in the transfer queue by using the page navigation at the bottom of the page.

Tip: You can always hover over the icon to get a descriptive tooltip.

If no items are in queue for transfer, then the queue will be empty and a message shown in the tab.



MANIPULATING TRANSFER ORDER

Abort an ongoing transfer

If you hover over an item in progress of being transferred, a red cross-icon appears at the far right. Clicking this will abort this transfer.

Push, change order or remove transfers

When hovering the queued items, three icons appear on the right.

Clicking the red cross-icon will remove the item from the queue.

Clicking the grey arrow-icon will pause the ongoing transfers and start transferring the selected item immediately.

Clicking the green arrow-icon will place the item as the next in line in the queue.

TRANSFER LOG

The transfer log is available under the **Transfer log** tab. Click the tab to view the previously transferred items.

The **Status** column also show whether or not the transfer has been successful.

If the icon to the left is green, it means the item has been successfully transferred. If it is yellow, it means the transfer was aborted. If it is red, it means the transfer has failed.

The icon next to it shows if the item has been downloaded to the local server (arrow down) or if it has been uploaded to the cloud (arrow up).

The rest of the columns gives information about name, size, transfer speed and when the transfer was started and completed.

You can browse back through older transfers by using the page navigation at the bottom of the page.

Tip: You can always hover over the icon to get a descriptive tooltip.

ABOUT THIS DOCUMENT

This is a BazePort **User Manual** from Baze Technology.

If you have any comments to this document, please email them to **support@bazeport.com**. Remember to include the document id: **BP-01-UM-014_9A Management Studio – Configure**

Revision	Status	Date	Description	Writer	Controller	Approver
1.0	O	11.09.2013	New document, draft	EALV		
1.1	O	17.09.2013	Edit for release			TR
1.2	O	26.02.2014	Updated for 5.1	EALV	VEW	TR
1.3	O	24.09.2014	Updated for 5.1.4	EALV	VEW	TR
1.4	O	27.11.2014	Updated for 5.2	EALV	VEW	TR
2.0	O	20.08.2015	Release version 6.0. Made part of BazePort Connect	AH	EALV	GHK
3	O	06.06.2016	Release version 6.5		GHK	TR
4	O		Release version 6.6	EALV	KNg	TR
5	O	14.11.2017	Release version 6.8	NAO		
6	O		Skipped			
7	O	05.12.2018	Release version 7.0	SST	EALV	MJB
8	O	21.04.2020	Release BazePort 8	LHJ, GHK	GHK	EALV
9	A	13.10.2020	Release BazePort 8.1	SST	GHK, HHN	EALV

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About Baze Technology

Baze Technology is the leading provider of BazePort IPTV. Located in Porsgrunn, Norway. Baze Technology has delivered its products to customers all over the world since 2009. Today there are more than 400 installations with almost 50.000 users of BazePort worldwide.

Request a BazePort demo

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