

NCast Gallery Server Installation and Startup Guide

The NCast Gallery Server is a video content management system which enables on-demand viewing of recorded presentations and live viewing of streams from NCast's Presentation Recorders.

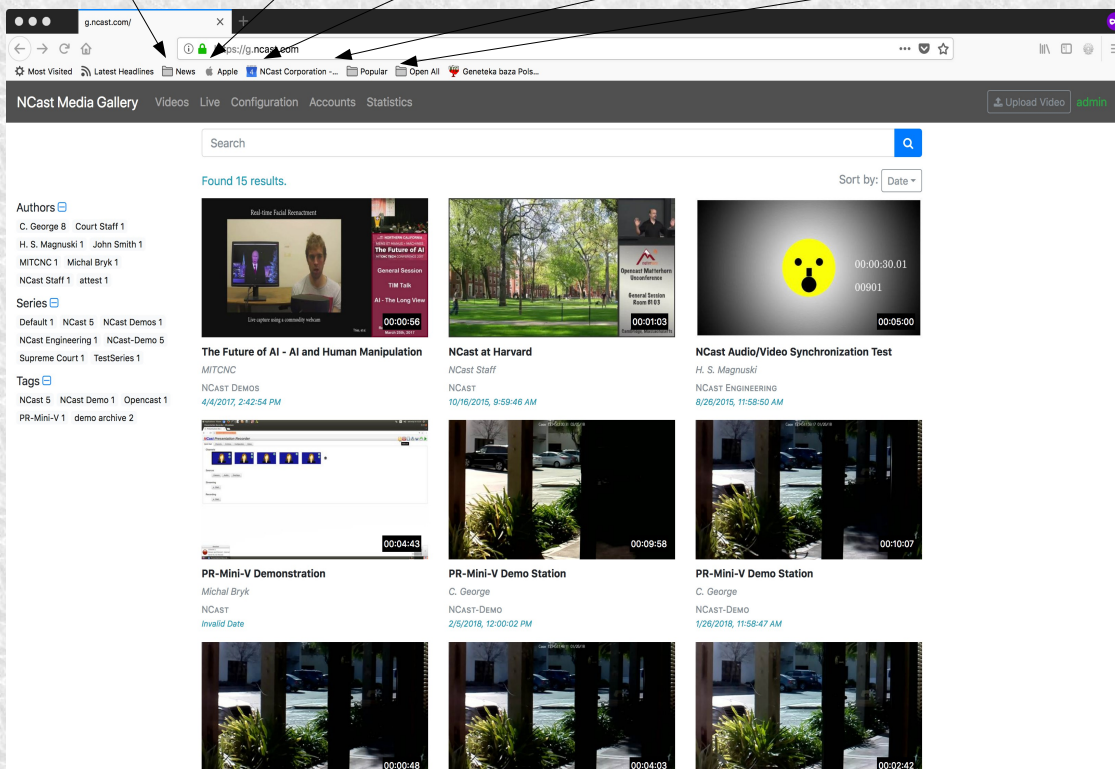
View uploaded presentations

Modify logo and branding

Check usage statistics

Watch live streams

Add creator or viewer accounts



NCast Gallery Server Recorded Video Page

Recorded video content which the viewer is entitled to see is selected by choosing the content author, video series and customizable tags. Metadata searches can further refine the selection. Three sort options are available.

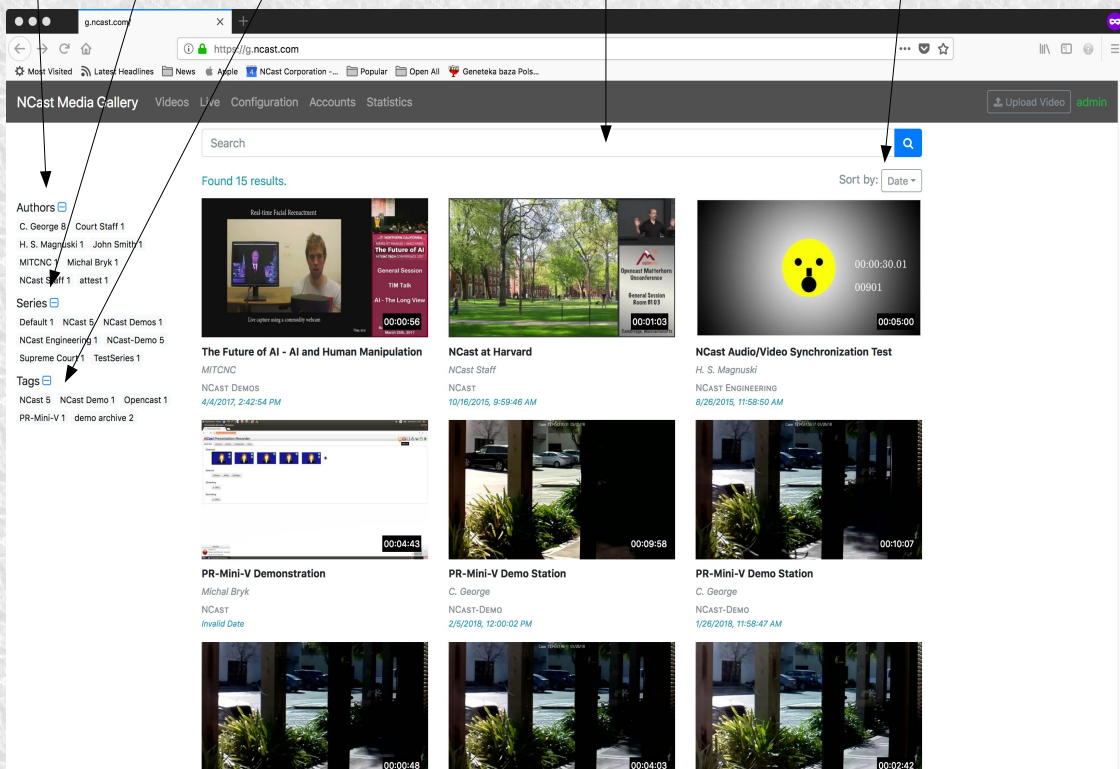
Select a specific author

Choose a series

Filter by tags

Search the metadata

Sort by date, title or author



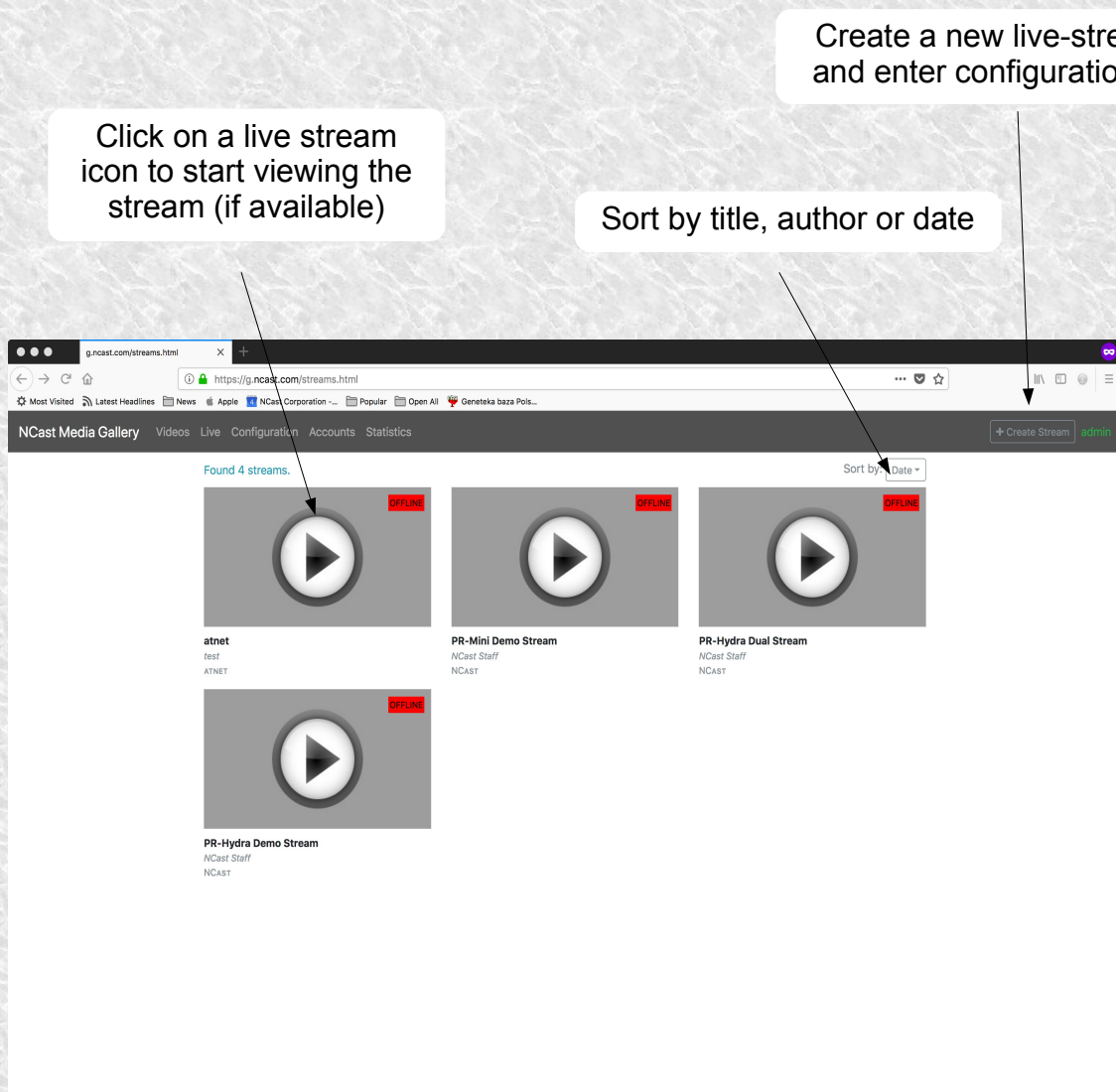
NCast Gallery Server Live Streaming

The Live stream page presents the viewer with icons that represent currently ongoing live streams or streams that are scheduled for future events. If the user is an Admin, new streaming events may be created.

Click on a live stream icon to start viewing the stream (if available)

Sort by title, author or date

Create a new live-stream icon and enter configuration details



The screenshot shows a web browser displaying the NCast Media Gallery interface. The page title is "NCast Media Gallery" and the URL is "https://g.ncast.com/streams.html". The navigation menu includes "Videos", "Live", "Configuration", "Accounts", and "Statistics". A "Create Stream" button with an "admin" role indicator is visible in the top right. The main content area displays "Found 4 streams." and a "Sort by" dropdown menu set to "Date". Four stream icons are shown, each with a play button and a red "OFFLINE" label. The streams are:

- atnet (test, ATNET)
- PR-Mini Demo Stream (NCast Staff, NCAST)
- PR-Hydra Dual Stream (NCast Staff, NCAST)
- PR-Hydra Demo Stream (NCast Staff, NCAST)

NCast Gallery Server

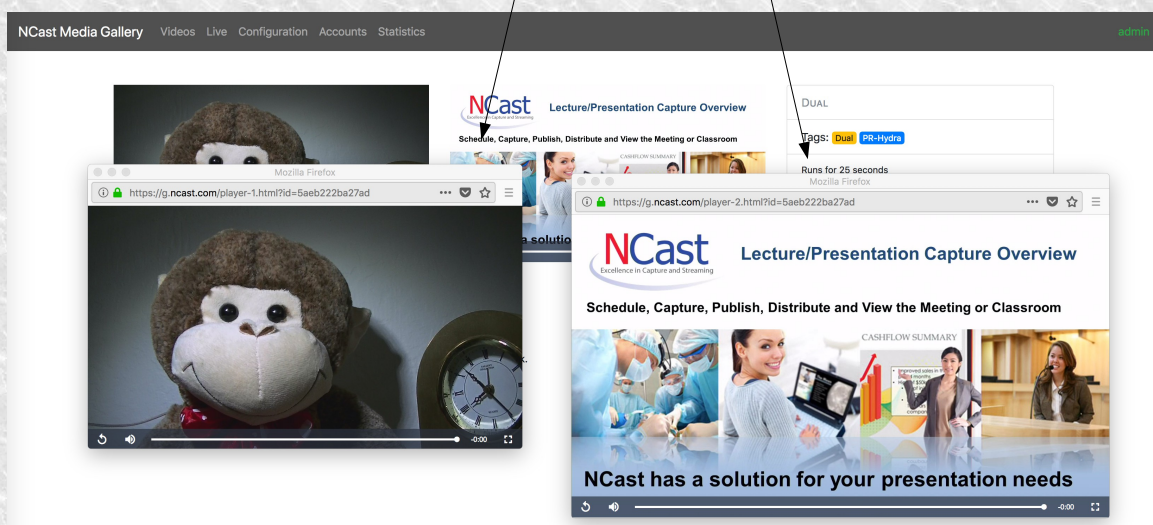
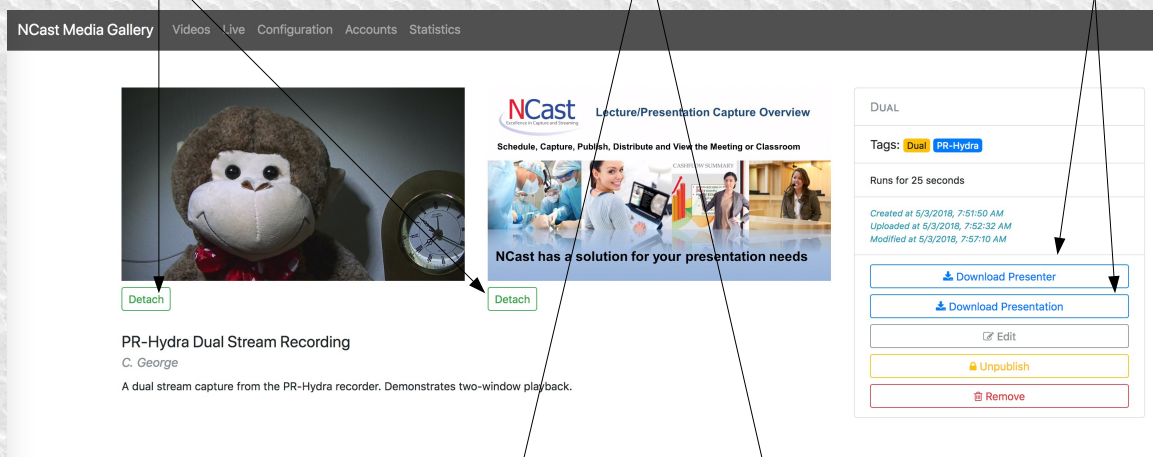
Dual On-demand or Live Streaming

An advanced feature of the PR-Hydra recorder and Gallery server is the ability to record and live-stream two hi-def 1920x1080 MP4 recordings. These may be synchronously played on the web page or the windows may be detached, resized and displayed on two external monitors or projection screens.

Detach buttons

Resize dual windows and arrange on primary and secondary screens

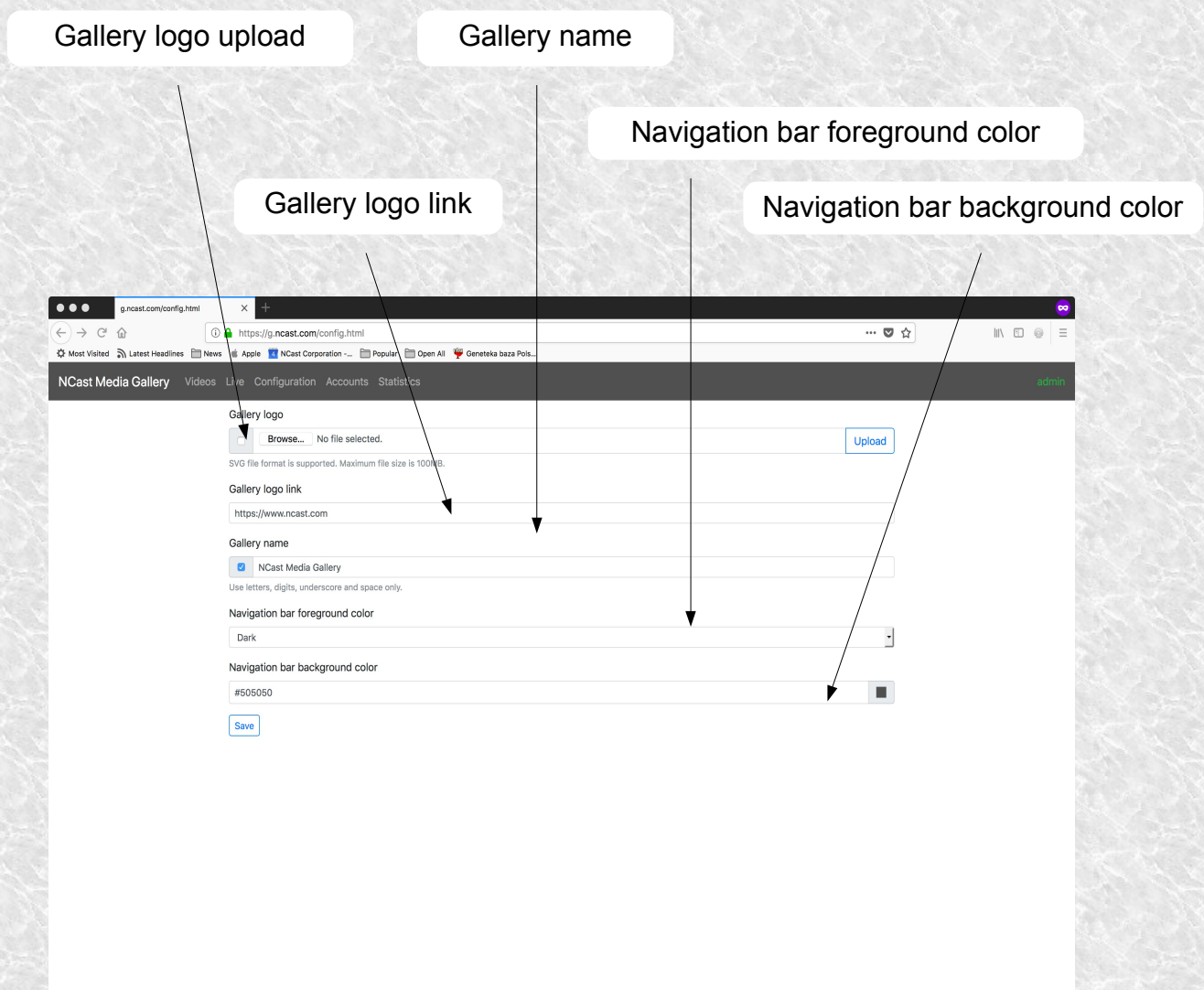
Download presenter and presentation files



NCast Gallery Server

Configuration of Logos and Branding

For administrators, the Configuration page allows the modification of the logos, look and feel of the server pages. Five elements may be altered.



NCast Gallery Server

Managing Accounts

Every user requires an account for access to the server. There are three types of accounts: administrator, creator and viewer. The administrator has full access to all capabilities of the server. The creator is a person uploading and managing videos. The viewer can only view videos.

Change the password, edit or remove an account

Create a new account and enter account details

Sort accounts by type, username, full-name, email or date

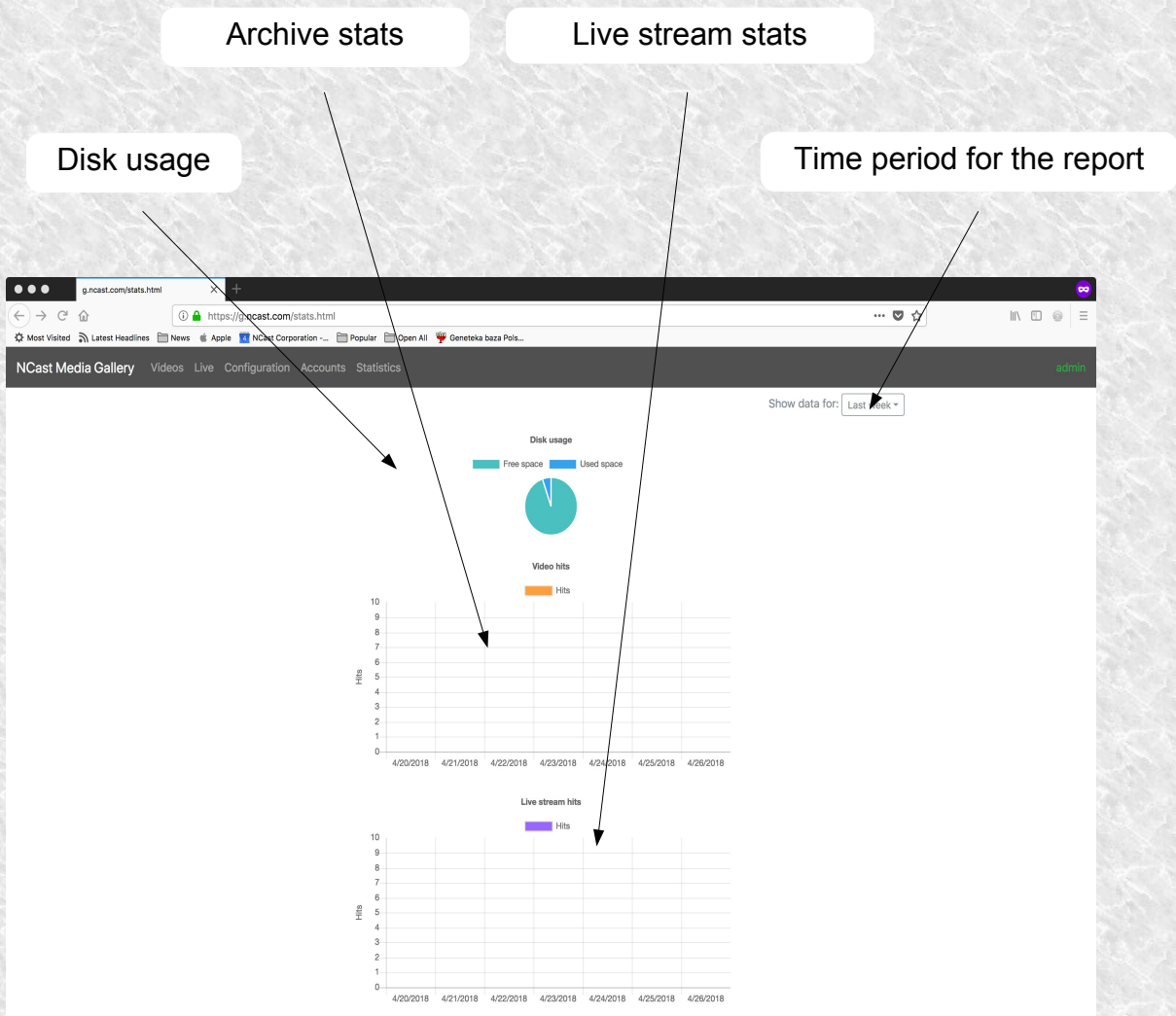
List of accounts for this server

The screenshot shows the 'Accounts' page of the NCast Media Gallery. The page has a navigation bar with 'Videos', 'Live', 'Configuration', 'Accounts', and 'Statistics'. A 'Create Account' button is visible in the top right. Below the navigation bar is a table of accounts with columns for Username, Type, Full name, E-Mail, Created, and Action. A 'Sort by' dropdown menu is set to 'Username'. Three callout boxes with arrows point to specific elements: one to the 'Create Account' button, one to the 'Sort by' dropdown, and one to the 'Action' column of the table.

Username	Type	Full name	E-Mail	Created	Action
admin	ADMIN	Gallery Admin	admin@ncast.com	1/21/2018, 11:52:51 AM	Action
creator	CREATOR	Gallery Creator	creator@ncast.com	4/10/2018, 12:14:44 PM	Action
viewer	VIEWER	Gallery Viewer	viewer@ncast.com	4/10/2018, 12:12:44 PM	Action

NCast Gallery Server Statistics

The Statistics page provides some basic information on the activity of the server.



NCast Gallery Server Recorder Setup - Configuration

NCast's Presentation Recorders can be configured to automatically upload recorded events to the server. Two steps are required. The first is to configure the server's address and credentials in the recorder. The second is to configure a Channel to upload to the server after an archive is ready.

On the recorder's web page go to the Configuration tab and bring up the Content Server menu. Enter the address and password for the server.



The screenshot displays the NCast Presentation Recorder web interface. At the top, the title "NCast Presentation Recorder" is shown in a grey header. Below the title is a navigation bar with five tabs: "Quick Start", "Channels", "Archives", "Configuration", and "Status". The "Configuration" tab is selected. The main content area is titled "Content Server" and contains two sub-tabs: "Media Gallery" and "Opencast". The "Opencast" tab is active. Below the sub-tabs are three input fields: "Server:" with the value "g.ncast.com", "Username:" with the value "admin", and "Password:" with the value "Password123". An "Apply" button is located at the bottom of the form. On the left side of the page, there is a vertical sidebar with four icons: a person, a clock, a globe, and a globe with a blue gradient.

NCast Gallery Server

Recorder Setup - Channel

Next, editing a Channel will allow the user to setup default metadata for the recording. This metadata may be overridden by serial commands or via the Archive web page interface. The Series will control which viewers are allowed to see the recording.

Set recording filename
[%Y%m%d-%H%M%S-%n]

Set recording title
Channel 1

Set recording presenter
Presenter

Set recording series
Default

Set recording description

Set recording tags

Set max recording time (in minutes)
600

Auto start recording on this channel?

Add hint tracks to MP4 file?

Optimize MP4 file layout?

Enable Final Cut compatibility fix?

Enable blackout on pause & resume?

Previous Next

Information such as title and presenter will appear next to the viewing icon

Choose a series

Tags will refine the search and sort

Automatically upload recordings?

When to start uploading?
Immediately

Remove recording after upload is finished?

Primary Secondary

Set upload method
NCast Gallery

Connection Test

Publish recordings?

Previous Next

There is a choice for a primary and secondary upload of the archive file, e.g., a main server and backup

Choose NCast Gallery for upload

Published recordings appear immediately on the Videos page. If not published they will be held for review by the administrator

NCast Gallery Server

Live Streaming Server Setup

Live streaming a presentation or event requires two setup activities. One at the recorder which will be broadcasting the event and one at the server to setup an icon for future viewers to access. For server setup, go to the Live tab and click “Create Stream”. Enter the information requested. The “Dual Stream” selection only applies to dual stream recorders such as the PR-Hydra. A “Provisional” event is a one-time activity and the icon disappears after use. A “Planned” event is for an activity at a specific time in the future. An “Ongoing” event is for continuing daily or weekly use.

The screenshot shows a web form titled "Create A New Stream" with a close button (x) in the top right corner. The form contains the following fields and options:

- A dropdown menu currently set to "Single stream".
- A text input field for "Title".
- A text input field for "Author".
- A large text area for "Description".
- A text input field for "Series".
- A text input field for "Tags".
- A dropdown menu currently set to "Provisional event".
- A section for "Thumbnail (optional)" with a "Browse..." button and the text "No file selected." Below this is a note: "JPEG file format is supported. Maximum file size is 100MB."
- At the bottom, there are "Cancel" and "Create" buttons.

Five callout boxes with arrows point to specific parts of the form:

- One points to the "Single stream" dropdown menu.
- Another points to the "Title" and "Author" fields.
- A third points to the "Tags" field.
- A fourth points to the "Provisional event" dropdown menu.
- The fifth points to the "Browse..." button and the thumbnail section.

Single stream or dual stream (presenter + presentation)

Title, author, series and tags allow for searching and sorting

Filter by tags

Provisional, Planned or Ongoing choice for the live stream

Upload a cover graphic for the icon

NCast Gallery Server

Live Streaming Recorder Setup

The recorder must be setup for “RTMP Streaming” to an external server. When further stepping through the Channel edit there will be a window asking for live-stream information. Click on the live-stream icon just created and on the right there will be a “Config” button. Click on this button to get the credential information required to live stream to the server.

