

# The state of pyCA

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The open-source capture agent for Opencast

Provide a **simple, flexible**  
**capture agent** to automate  
recording.

# pyCA

Simple, flexible Python based  
capture agent

- Scheduled recordings
    - Registers itself at Opencast
    - Use your own hardware
    - Use network cameras
  - Different backends
    - FFmpeg
    - GStreamer
    - Any script
  - Web-based user interface
    - (Re)upload events
    - Status
-

# New Releases

Six releases since last year

What's new?

- New user interface
  - Improved backup mode
  - Packaging/Containerization
  - Upload rate limiting
  - Less requests to Opencast
  - Auto-remove uploaded data
  - New documentation
  - ...
-

**pyCA**



Capture Agent "pyca@pc.home.lkiesow.io"

Capture	Upload	Upcoming	Processed
Idle	Idle	0	9

**Preview Images**

No preview image

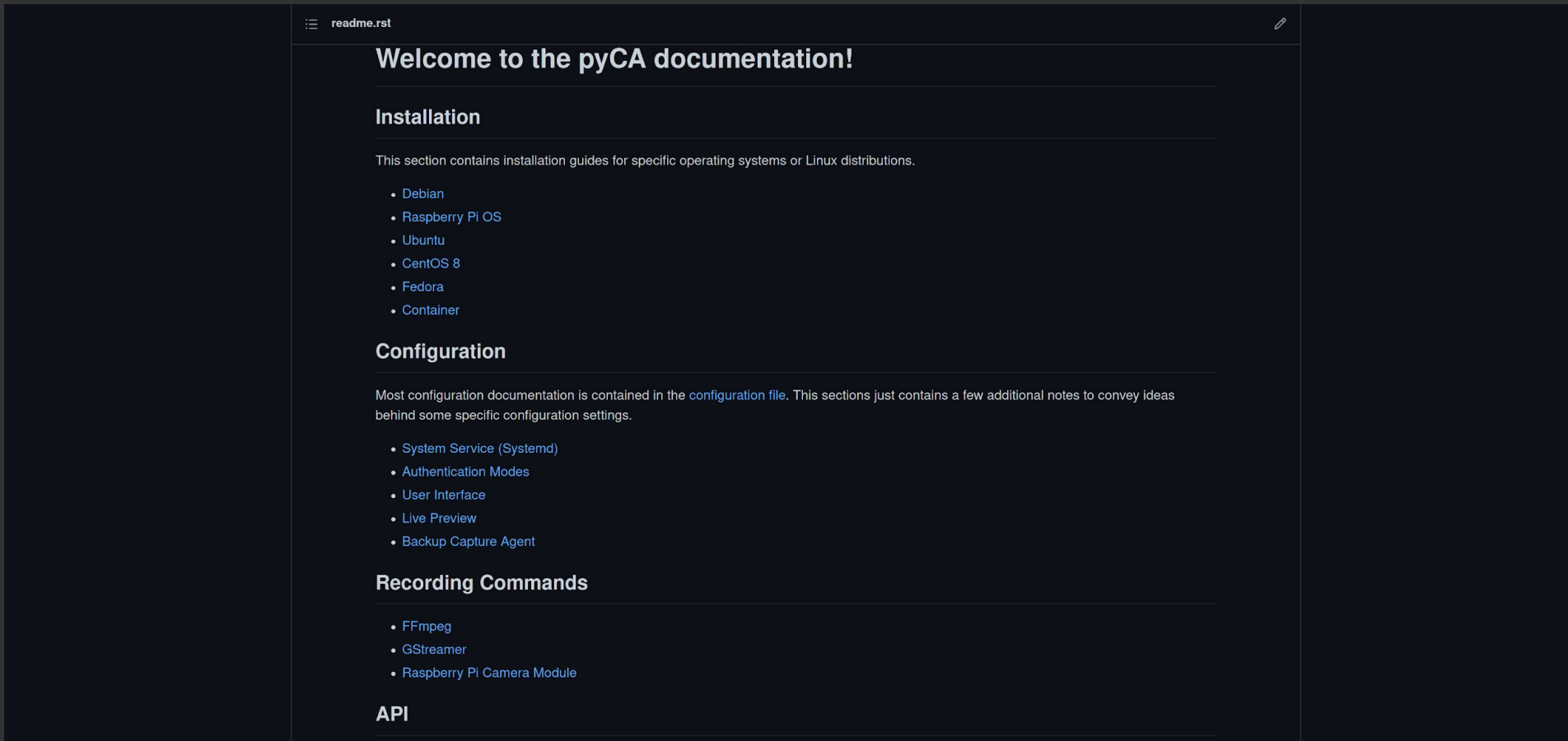
**Recordings**

Start	End	Status
2/10/2021, 12:08:00 PM	2/10/2021, 12:09:00 PM	finished uploading
2/10/2021, 12:55:00 AM	2/10/2021, 12:56:00 AM	finished uploading
6/16/2020, 2:42:00 PM	6/16/2020, 2:44:00 PM	failed recording 
2/26/2019, 11:29:00 PM	2/26/2019, 11:31:00 PM	failed uploading 

**Status**

Machine	
Load Averages	0.95 1.03 0.8
Disk Usage	43% (192.19 GB free)
Memory Usage	32% (3.96 GB free, 6.71 GB buffers/cached)
Services	
Agentstate	stopped
Capture	stopped
Ingest	stopped
Schedule	stopped

Updated user interface



The screenshot shows a dark-themed web browser window displaying the README file for pyCA. The browser's address bar shows 'readme.rst'. The page content is as follows:

## Welcome to the pyCA documentation!

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### Installation

This section contains installation guides for specific operating systems or Linux distributions.

- [Debian](#)
- [Raspberry Pi OS](#)
- [Ubuntu](#)
- [CentOS 8](#)
- [Fedora](#)
- [Container](#)

### Configuration

Most configuration documentation is contained in the [configuration file](#). This sections just contains a few additional notes to convey ideas behind some specific configuration settings.

- [System Service \(Systemd\)](#)
- [Authentication Modes](#)
- [User Interface](#)
- [Live Preview](#)
- [Backup Capture Agent](#)

### Recording Commands

- [FFmpeg](#)
- [GStreamer](#)
- [Raspberry Pi Camera Module](#)

### API

New documentation

pyCA is **open source**

[github.com/opencast/pyCA](https://github.com/opencast/pyCA)