Benjamin Bellamy



Podcasting 2.0: it's all about Interoperability





(How Podcasting 2.0 will save the Open Internet)

Feb. 5th 2023 #FOSDEM #Podcasts

I am Benjamin Bellamy.



- | 💙 Podcasts.
- |
 Open-Source.
- Founder and CEO of Ad Aures.
- Father of Castopod.



What about you?

- Are you a podcaster?
- Are you a developer?
- Have you heard of Podcasting 2.0?
- Have you heard of Castopod?

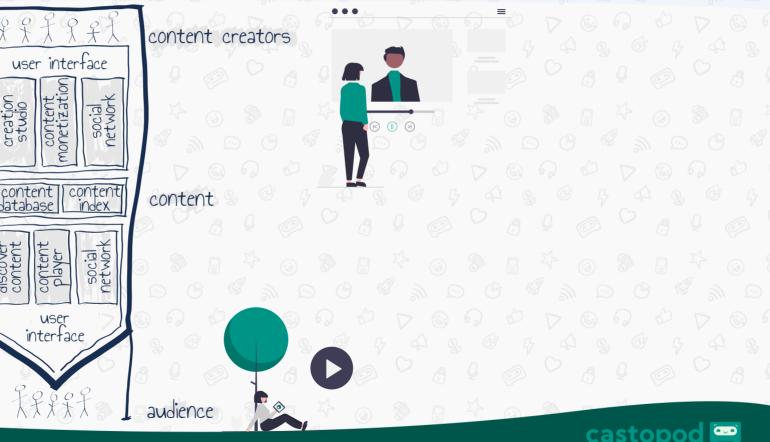
The user's dilemma

OPEN WEB

Feb. 5th 2023 #FOSDEM #Podcasts CLOSED WEB

Closed silos are confortable

discover content



#FOSDEM #Podcasts

What influences your content

On the Open Web (federated network, self hosted...)

• The law

self hosted...) (Youtube, Apple, Facebook...)The law

• Terms and Conditions

On the Closed Web

- Economic, political and ideological interests specific to the platform
- Government pressure on the platform
- Mass reporting of my content by opponents or competitors
- A bot
- A moderator in a bad mood
- Platform shutting down



Let's talk about *audioblogging*!

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"But what to call it?"

"Audioblogging? **Podcasting**? GuerillaMedia?"

Ben Hammersley The Guardian (2004)



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The Founders

- 1989: Иллюзия независимого радио (The Illusion of Independent Radio)
- 2004: Daily Source Code
- 2005: Podcasting: Do-It-Yourself Guide
- 2006: The Lance Anderson Podcast Experiment
- 2014: Serial





The Architects

- 1993: Fraunhofer-Gesellschaft
- 1995 : Ramanathan V. Guha, Aaron Swartz, Dave Winer
- 2000: Tristan Louis, Adam Curry, Dave Winer
- 2003: Adam Curry
- 2005: Steve Jobs, Eddy Cue

But what is a Podcast?

"I consider a **Podcast** to be any **RSS** feed that has an **enclosure**."

Adam Curry



This is *not* a podcast:

🔒 Home

Q Search

III Your Library

🛜 Premium



#1930^{#1930}Adam Curry

The Joe Rogan Experience JAN 25 • 3 HRS 18 MINS LEFT

Play

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Adam Curry is an internet entrepreneur, former MTV VJ, and podcasting pioneer. He is the co-host, along with John C. Dvorak, of the "No Agenda" podcast.



This is a podcast:

-<rss version="2.0" xml:base="https://serialpodcast.org">

-<channel> <title>Serial</title>

k>https://serialpodcast.org</link>

-<description>

Serial is a podcast from the creators of This American Life, hosted by Sarah Koenig. Serial unfolds one story - a true story - over the course of a whole season. The show follows the plot and characters wherever they lead, through many surprising twists and turns. Sarah won't know what happens at the end of the story until she gets there, not long before you get there with her. Each week she'll bring you the latest chapter, so it's important to listen in, starting with Episode 1. New episodes are released on Thursday mornings.

</description>

<language>en</language>

<copyright>Copyright 2023 Serial Podcast</copyright>

<itunes:type>episodic</itunes:type>

<itunes:author>This American Life</itunes:author>

<itunes:subtitle>A podcast from the creators of This American Life</itunes:subtitle>

-<itunes:owner>

<itunes:email>rich@thislife.org</itunes:email>

</itunes:owner>

<itunes:category text="News"/>

<itunes:category text="True Crime"/>

<itunes:image href="https://serialpodcast.org/sites/all/modules/custom/serial/img/serial-itunes-logo.png"/>

-<item>

<title>Nice White Parents - Ep. 5</title>

-<link>

https://www.nytimes.com/2020/08/20/podcasts/nice-white-parents-school.html

</link> -<description>

Chana has traced the history of the school from its founding and come to the present. But now: One unexpected last chapter. Last year, the school district for BHS mandated a change in the zoning process to ensure all middle schools would be racially integrated. No longer can white families hoard resources in a few select schools. Black and Latino parents have been demanding this change since the late 1950s. The courts have mandated it. Chana asks: How did this happen? And is this a blueprint for real, systemic change?

</description>

<pubDate>Thu, 20 Aug 2020 09:00:00 +0000</pubDate>
<guid isPermaLink="false">nwp-e05</guid>
<itunes:episodeType>full</itunes:episodeType>
<itunes:title>Nice White Parents - Ep. 5</itunes:title>

<itunes:title>Nice white Parents - Ep. 5</itunes:title> <itunes:author>This American Life</itunes:author>

<itunes:author>1nis American Lile</itunes:author> <itunes:duration>00:53:00</itunes:duration>

<itunes:explicit>ves</itunes:explicit>

<enclosure url="https://dts.podtrac.com/redirect.mp3/nyt.simplecastaudio.com/521189a6-a4f6-404d-85cf-455a989a10a4/episodes/4a49fb56-5d6d-4800-8b83-72047d6b81e7/audio/128/default.mp3?aid=rss_feed&awCollectionId=521189a6 a4f6-404d-85cf-455a989a10a4&awEpisodeId=4a49fb56-5d6d-4800-8b83-72047d6b81e7&feed=xl36XBC2" type="audio/mpeg" length="0"/>

-<itunes:subtitle>

An unexpected last chapter. Some white parents start behaving differently.

</itunes:subtitle> -<itunes:summary>

An unexpected last chapter. Some white parents start behaving differently.

</itunes:summary> </item>

It's called a changeover...

"**Steve Jobs** would like to meet with you, do you have any time for that?"

Eddy Cue to Adam Curry, 2005



Let's recap

1993 1995 19 Mosaic Win95 AD

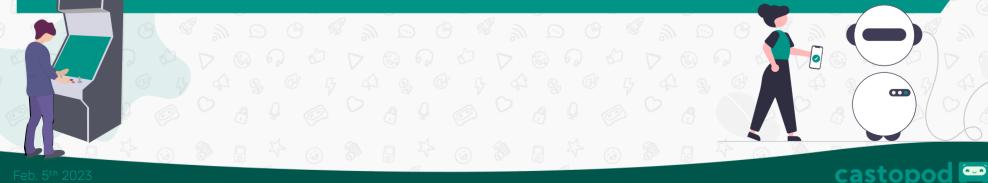
1998 ADSL 2005 Youtube

5 2006 Ibe Facebook 2007 2013 2017 iPhone 4G Mastodon

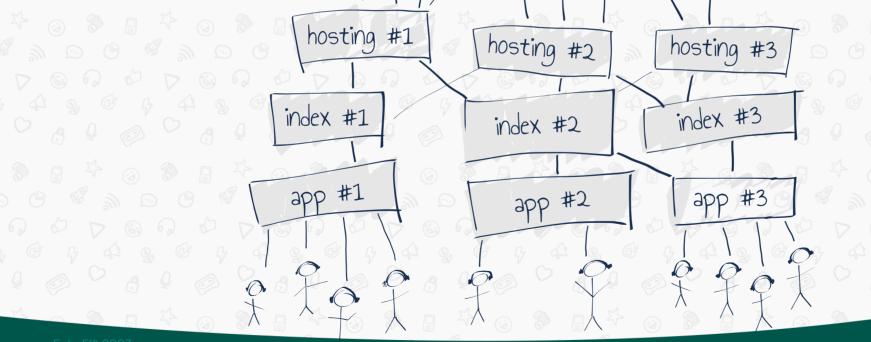
19931995200020032005MP3RSSRSS+MP3RSS \rightarrow iPod \rightarrow iTunes

2002

iPod



The status quo of Podcasting



Q.



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Podcasting is still decentralized!

... 3

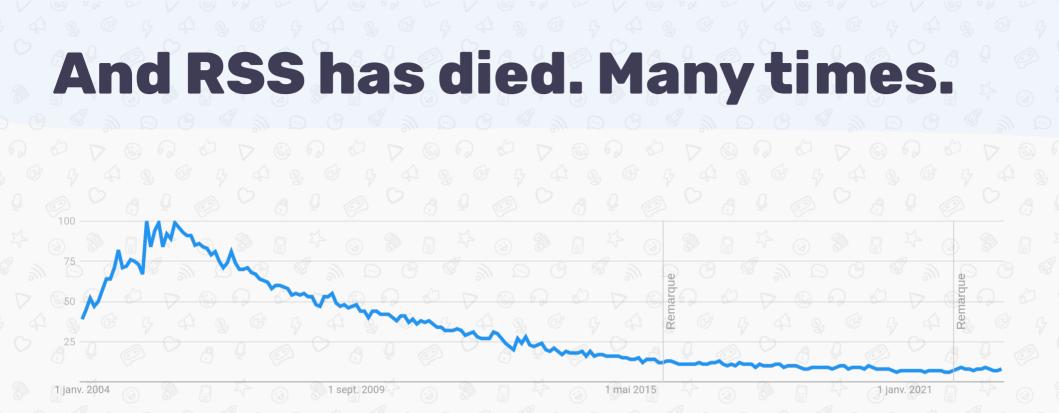
But not a single feature

has been added.

8 2 0

*





- Google Reader discontinued in 2013
- Youtube removed it
- Twitter removed it

castopod w

The 10 year hiatus

"There were 10 years of no development because we had this chicken and the egg problem."

Adam Curry

2020: Podcasting 2.0

- Initiated by Adam Curry (again) and Dave Jones
- Open Specification
- Namespace extending Podcast DTD
 https://github.com/Podcastindex-org/podcast-namespace





Keeping podcasting free

"Podcasting 2.0 is about decentralizing, returning to the idea of free and open-source."

Dave Jones

Focused on UX and features

Alternate enclosures, Boostagrams, Chapters, Episodes, Seasons, Funding, GUID, Live, Location, Locked, Medium, OP3, Person, Podping, Sat Streaming, Social Interact, Soundbite, Transcript, Txt...



Works everywhere

"Podcasting 2.0 is backward compatible."

Adam Curry

Current status

"There are over 400,000 podcasts that declare the Podcasting 2.0 namespace in their RSS feed. We will probably be at half a million podcasts by early 2023."



Dave Jones

Interoperability is key

J

Weblag

Podcast hosting platforms, directories, apps...

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The battle is not over



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A powerfull ally

Podcasting 2.0 has a friend:

PodcastIndex is an open-data directory for **all podcasts** dedicated to Podcasting 2.0.



PodcastIndex.org

"**PodcastIndex** is a central aggregator that tries to find **every podcast that exists** in the world. There's **no preference** to any one over the other."

Dave Jones

Twice as big as Apple Podcasts!

4,102,361

Total podcasts in the index ...

Shows published in the last ...

 3 DAYS
 10 DAYS
 30 DAYS
 60 DAYS

 123,116
 254,955
 352,072
 437,054

 90 DAYS
 493,445
 493,445
 493,445



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Let's recap again

2002

iPod

1993 1995 19 Mosaic Win95 AD

1998 ADSL 2005 Youtube

5 2006 be Facebook 2007 2013 2017 iPhone 4G Mastodon

19931995200020032005MP3RSSRSS+MP3RSS \rightarrow iPod \rightarrow iTunes

2020 Podcasting 2.0

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How does this work?

Let's try Castopod!





What is Castopod?

- Open-source Podcast Hosting (AGPL3)
- PHP/MySQL
- Podcasting 2.0 (Chapters, Funding, GUID, Location, Locked, OP3, Person, Soundbite, Transcript, Social Interact / ActivityPub built-in social network...)



221-#21F

Sustainability

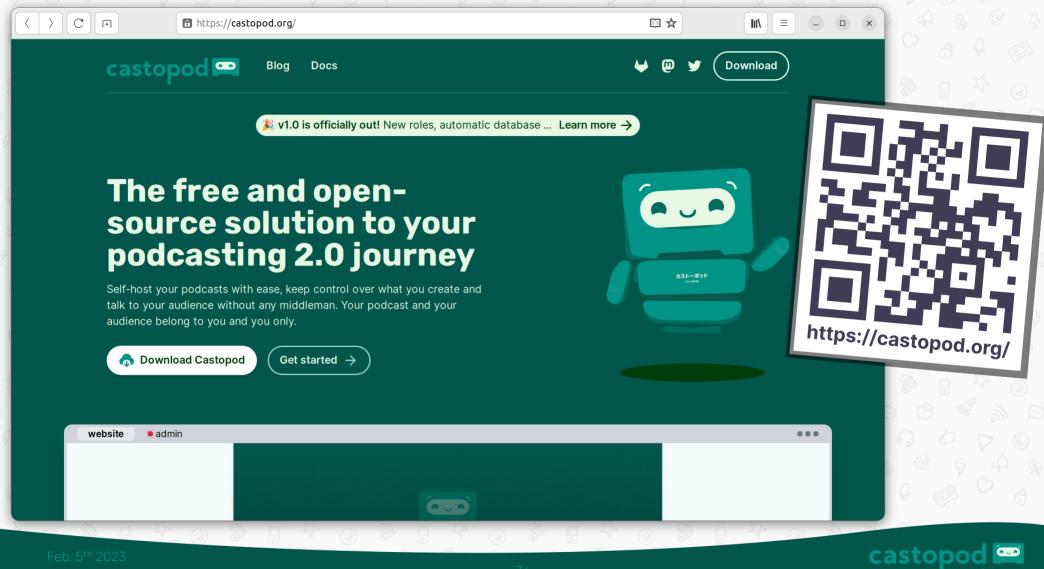
- Ad Aures
 <u>https://adaures.com/</u>
- NLnet https://nlnet.nl/project/Castopod/
- Open Collective
 <u>https://opencollective.com/castopod</u>
- Paid hosting <u>https://castopod.com/</u>





open collective





🖾 🌣

Castopod documentation

Home 🖸	Blog 🖸	Github 🖾	Languages 🔻	Source code 🖾
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Introduction

Getting started

Install

Requirements

Install instructions

Community packages

Docker

Security

Update

Auth

Contributing

Guide

Dev Setup

How to install Castopod?

Castopod was thought-out to be easy to install. Whether using dedicated or shared hosting, you can install it on most PHP-MySQL compatible web servers.

Note

We've released official Docker images for Castopod!

If you prefer using Docker, you may skip this and go straight to the docker documentation for Castopod.

Requirements

- PHP v8.1 or higher
- MySQL version 5.7 or higher or MariaDB version 10.2 or higher
- HTTPS support

PHP v8.1 or higher

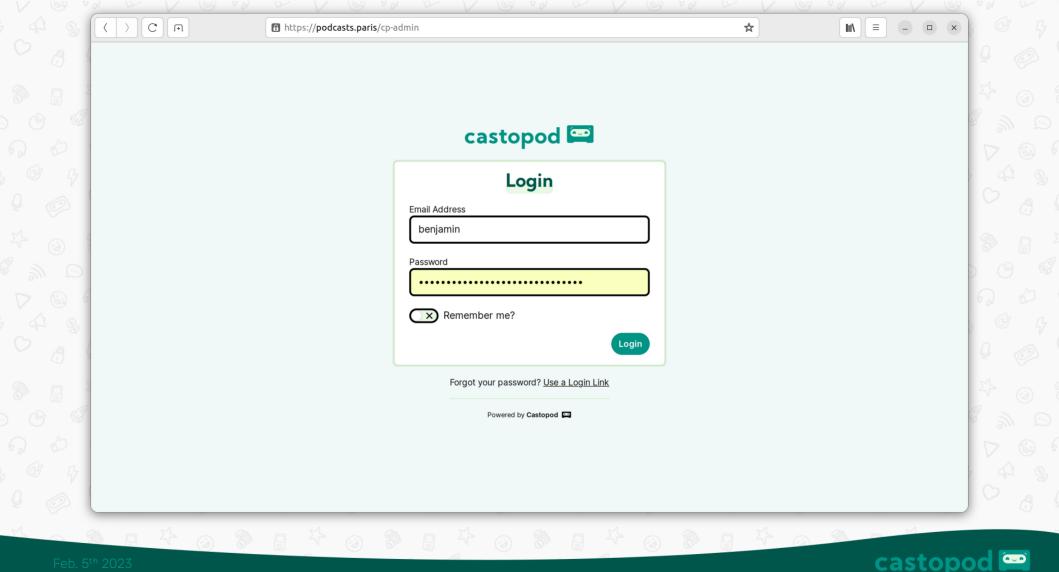
PHP version 8.1 or higher is required, with the following extensions installed:

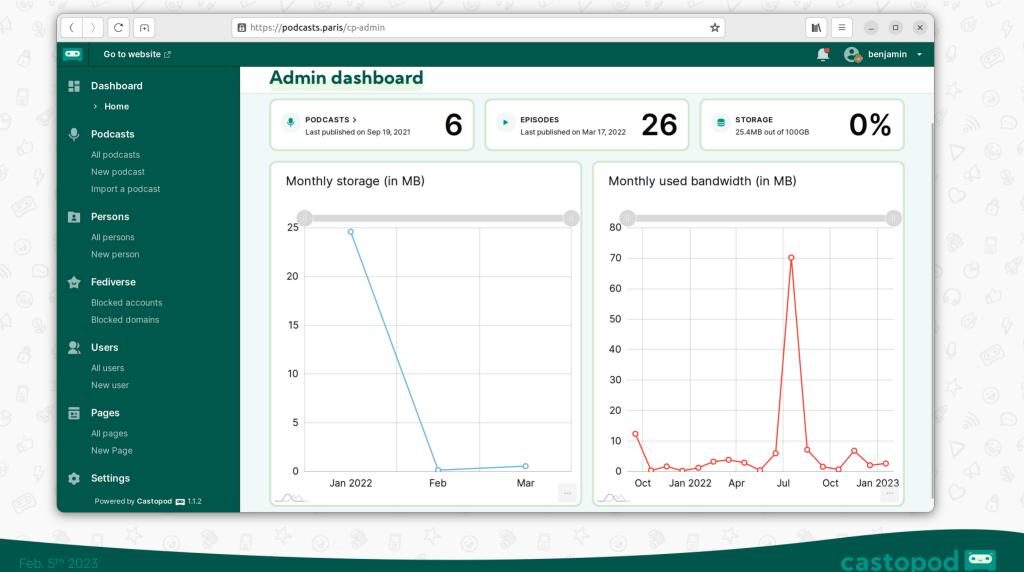
- intl
- libcurl
- mbstring
- ad with IPEG PNG and WEBP libraries

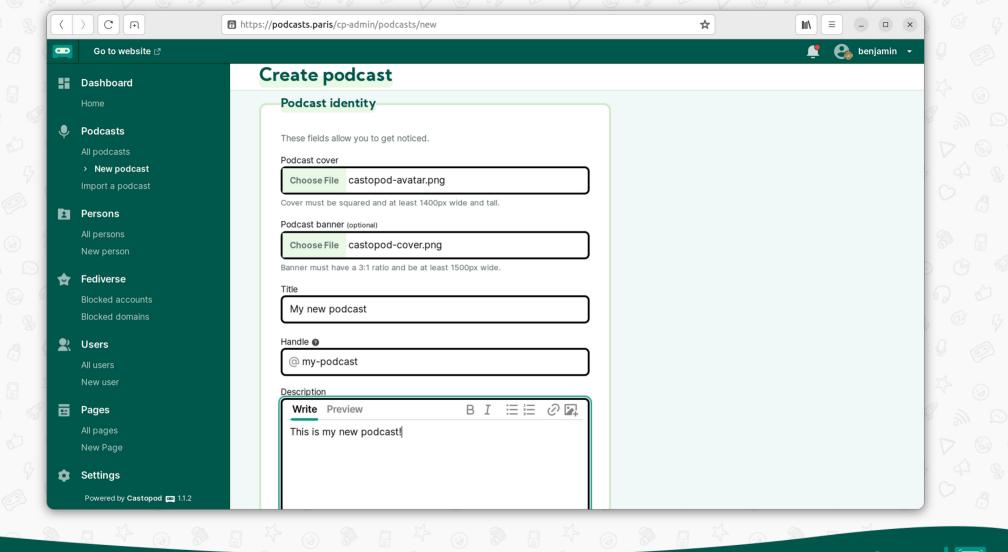


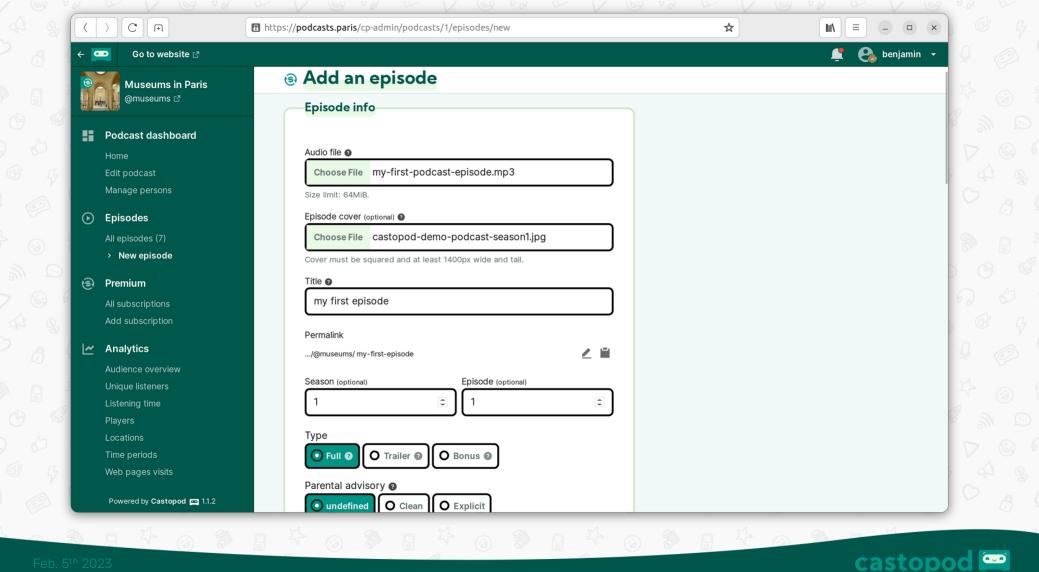


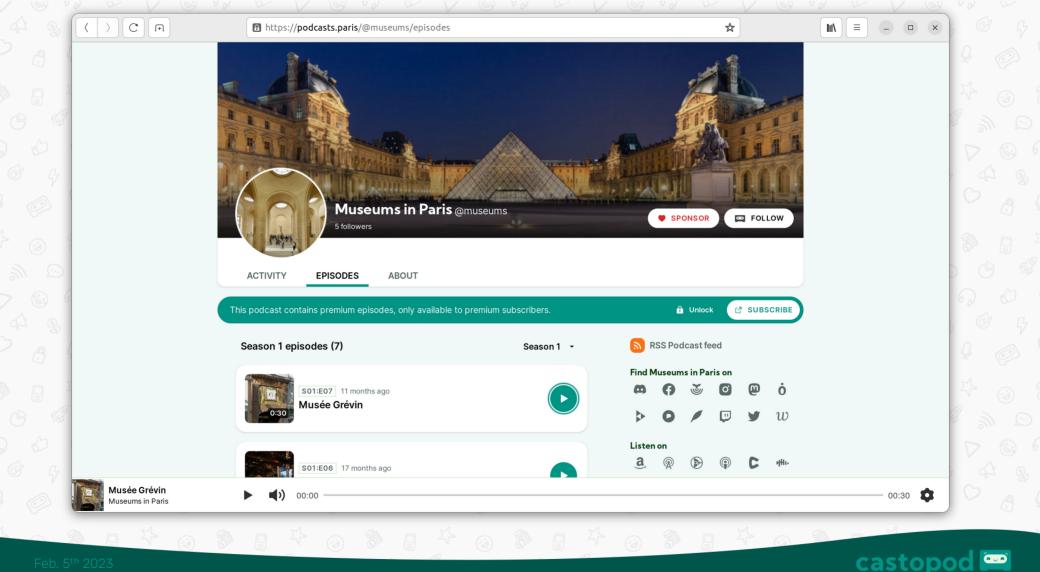




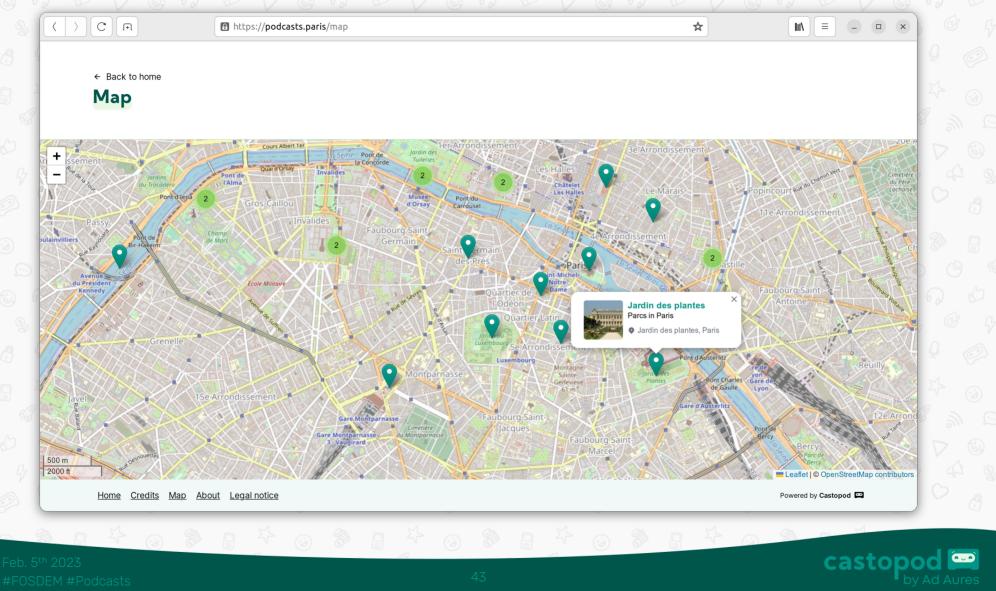


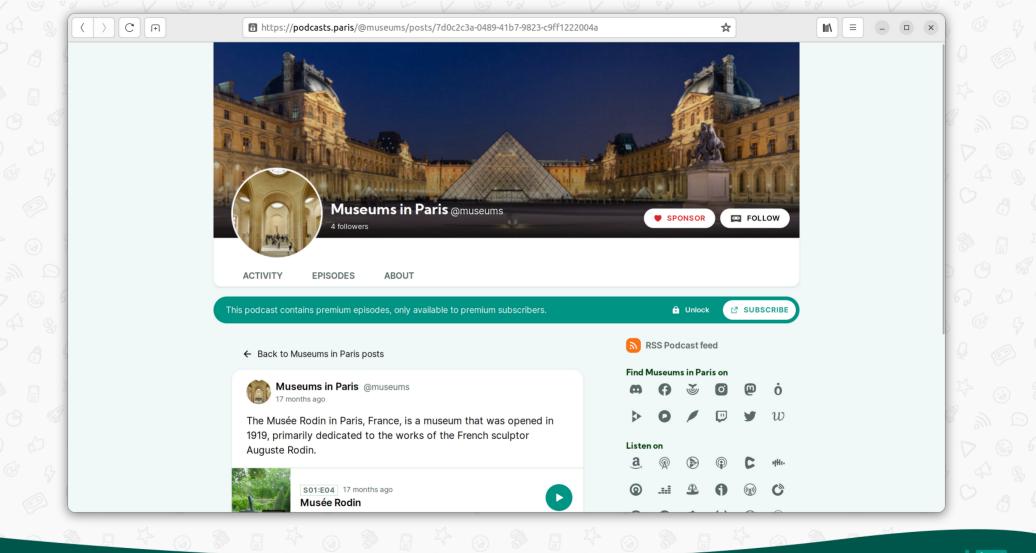






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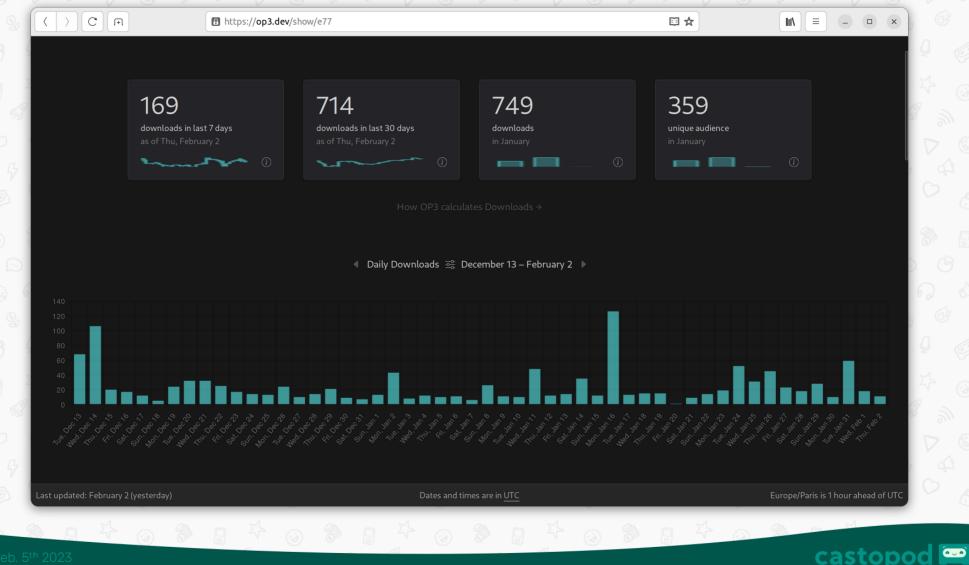




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	ACTIVITY EPISODES ABOUT ← Back to Museums in Paris posts											
		RSS Podcast feed										
	Museums in Paris @museums 17 months ago	Find Museums in Paris on				ė						
	The Musée Rodin in Paris, France, is a museum that was opened in			۲	-							
	1919, primarily dedicated to the works of the French sculptor		0		Ψ	y	w					
	Auguste Rodin.	Listen	non								7	
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	@museums Great place to go to on a sunny day! 😎 🌞		Pow		Castopo							
	Parcs in Paris @parcs 17 months ago										0	
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Works everywhere

With more than 60 services, indexes, apps



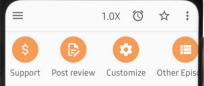


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Works everywhere

With more than 60 services, indexes, apps







Adam

Currv Host







podcasts by Podcast Index

Podcasting 2.0 January 27th 2023 Episode 119: "Bowl of Noodles"

Adam & Dave discuss the week's



Conclusion

"Try a Podcasting 2.0 app."





Adam Curry

Further Reading...

- The Podfather 2.0, La Saga des Pionniers continue <u>https://podcastmagazine.fr/boutique/</u> (Podcast Magazine n°2, en Français) <u>https://blog.castopod.org/rss/</u> (Castopod's blog, in English)
- Podcasting 2.0 is just a vision, and the standards to realize it. <u>https://podcasting20.substack.com/p/podcasting-20-is-just-a-vision-and</u>
- What is Podcasting 2.0, and why is it important? https://origin.fm/blog/podcasting-2point0/
- How podcasting will save the open Web and free speech https://blog.castopod.org/how-podcasting-will-save-the-open-web-and-free-speech/



Further listening...

Podcasting 2.0

https://podcastindex.org/podcast/920666

- Podnews Weekly Review
 https://weekly.podnews.net/
- Podnews
 <u>https://podnews.net/</u>



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 @benjaminbellamy:matrix.org

Thank you!



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