

OpenCast External API 2.0

Discussion

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Why a New Version?

- **JSON schema** not ideal (complex, forced iterations, ...)
- **Upload** inflexible (presenter, presentation, audio)
- **Pagination** is hard (no total count, ...)
- **Changing** the API is very difficult
- **Deprecation policy** is missing
- **Complexity of the code** (many layers)
- Code internally **connected to other parts of Opencast** (hardly stable)
- **No guarantee** that operation has actually happened (ActiveMQ async handling)
- Run **multiple instances** of the external API (loadbalancing & resilience)



What was Good?

SUDO is nice

Facade concept

Self describing API (partly)



Merge existing APIs?

external | capture agent | admin



What **API style** do we want?

REST | GraphQL | ...



Split API into **multiple independent groups?**

core | capture agent | admin-ui | ...



Version API groups **independently?**

alpha | beta | v1 | v2



New rules for versioning & deprecation?

only breaking changes | force evolution
of alpha versions



Authentication / Authorization

API tokens | OAuth 2.0 | API scopes



How do we **proceed**?



https://hackmd.io/e_QDM7IXRIeQcDytFIpvhA

