

Meeting Notes

26th of November 2024

- Emil asked clarification about the dataset obsolete dtos.
Max explained that they are the same dtos for raw and derived datasets renamed to obsolete following the dataset unified schema implementation.
In the immediate future, dataset dtos will be unified also.
- Emil reported that there are issues with the python SDK and the dto constraint of “oneOf” in the dataset endpoint.
He will open an issue.
<https://github.com/SciCatProject/scicat-backend-next/issues/1533>
- Branding
 - Laura presented the new SciCat identity and explained the reasons behind this work.
 - The new branding comes from the need to communicate to existing and new adopters/partners what the SciCat project is about, what we want to achieve and why.
 - The community is invited to review and provide feedback.
 - **Feedback will be accepted until Monday December 9th 2024.**
 - Please provide feedback on the github issues
 - Logo:

Noto Sans font available from Google Fonts



- github issue:
<https://github.com/SciCatProject/scicatproject.github.io/issues/54>
- new proposed logo in github issue:
<https://github.com/SciCatProject/scicatproject.github.io/issues/54#issuecomment-2500964064>
- Tagline:

advance your scientific data

- github issue:
<https://github.com/SciCatProject/scicatproject.github.io/issues/55>
- new proposed tagline in github issue:
<https://github.com/SciCatProject/scicatproject.github.io/issues/55#issuecomment-2500951592>
- Project mission:

Advance your scientific data to accelerate your research and generate new insights. SciCat provides the right platform to lead your organization to an innovative data culture, where data sharing and collaboration is part of everybody's mindset. SciCat provides a central hub for metadata, making data easily findable, accessible for the entire community . We are committed to being the open source scientific metadata catalogue that can be easily integrated into any workplace infrastructure.

- github issue:
<https://github.com/SciCatProject/scicatproject.github.io/issues/56>
- new proposed project mission in github issue:
<https://github.com/SciCatProject/scicatproject.github.io/issues/56#issuecomment-2505910861>
- SciCat Domain Name
 - Currently the website and documentation are hosted on github.
To promote better the project and provide a more professional experience, we are going to buy a dedicate domain name.
 - The community agrees to acquire scicatproject.org. Extension might varies depending on availability.
 - Max will work on securing the domain name

- RFI is willing to host the site on their servers
- SciCatCon 2025
 - ICNS will be held on June 6-10 2025 in CPH and it is sponsored by ESS. Maybe we should tag along and ask to host our meeting in the same location
 - icns2025.dk
 - Doodle poll is available to specify availability
<https://doodle.com/meeting/participate/id/ej5QkPvd>
- Despina and Sofya were asking about the Reduce tab present in the dataset view.
Mask will discuss with them in a separate meeting.
- Max reported about the initial conversation with ISPyB community regarding using SciCat backend for ISPyB.
- Max reported about initial discussion about customized dataset visualization
- The community suggested to focus on data visualization at SciCatCon 2025
- Release jobs
 - Spencer demo the new jobs sub-system
 - The demo covered:
 - job configuration
 - job creation
 - job update
 - configuration review
 - main release branch:
<https://github.com/SciCatProject/scicat-backend-next/tree/release-jobs>
 - Not all the job actions are functional yet
 - Igor asked about
 - documentation with parameters and configuration options
PR is ready
 - rabbitmq integration and performance issues.
No performance issues found yet
 - Carlo mentioned that there are some issues with rabbitmq with replicas and scaling up and down.
 - Kafka integration is not available yet, but it is planned
 - MaxIV and RFI have kafka. They are willing to help and test
 - Igor (DESY) also plans to run tests with kafka

- Kubernetes integration: no native messaging in kubernetes. Rabbitmq or kafka is needed.
- PRs
 - PRs that need to be reviewed.
 - FE container running as nginx unprivileged user:
<https://github.com/SciCatProject/frontend/pull/1657>
 - Logo centered in login popup (Approved and Merged)
<https://github.com/SciCatProject/frontend/pull/1656>

SDK roadmap proposal

Following the discussion during the last collaboration meeting, I propose the following roadmap forward regarding the SDK:

- *Finalize auto generation of javascript and python SDKs CI/CD. **COMPLETED***
- *Create SDK and openapi file as artifacts at every merge to master. **COMPLETED***

Artifacts should be named according to the following shema:

sdk-<language>[-<additional-options>]-<git-commit-id>.zip

- Publish them automatically on the language specific platforms with the following names:
 - typescript with angular: ***scicat-sdk-ts***
 - python: ***scicat_sdk_py***
 - python-pydantic: ***scicat_sdk_pydantic***

COMPLETED

- Publishing platforms are:
 - javascript: npm-js
 - python: pypi

COMPLETED

- Renamed python packages to address naming issues: **COMPLETED**
- Clearly state that SDKs are provided as they are, with no guarantee. No testing is done on SDKs during CI/CD.
- Include new languages as needed.

Planned:

- Typescript with fetch: ***scicat-sdk-ts-fetch***
- refactor pySciCat to extend scicat-sdk-py, with backward compatibility, additional functionalities and validation and include testing like the ones included in discarded PR.
- Proposed pySciCat as the low level SciCat python library, providing the following:
 - additional functionalities,
 - extensive testing
 - backward compatibility
 - different release cycle from the SDK due to human revisions
- After 6/12 months evaluate if having scicat-sdk-py and pySciCat is sustainable and the most sensible solution.

We will adapt the road map forward based on the outcome.

- Refactor FE to use new SDK: ***in progress***

This roadmap is recorded in the following github issues:

<https://github.com/SciCatProject/scicat-backend-next/issues/1403>

Proposed Agenda

10th of December 2024

- Current releases updates
 - Jobs
 - Branding
- Performance review
- SciCatCon 2025
 - Poll: <https://doodle.com/meeting/participate/id/ej5QkPvd>
- PR and issues
- Additional topics

Open discussions for future features

currently not scheduled on any release

- Proposed types for Scientific Metadata, Issue #984
 - <https://github.com/SciCatProject/scicat-backend-next/issues/984>
- Metadata entry schema
 - The overall metadata schema is free for the user to design their own structure
 - SciCat will impose a schema at the entry level to be able to interpret and visualize the values reducing uncertainty and wrong interpretation
 - <https://github.com/SciCatProject/scicat-backend-next/issues/939#issuecomment-1874033672>
 -
- Dataset hierarchy
 - Proposed solution:
 - unify the dataset schema
 - add dataset type: collection (specialized type of derived dataset)
 - add relationships and leverage them to build a hierarchy
 - <https://github.com/SciCatProject/scicat-backend-next/issues/805>
- Independent endpoint for datasets scientific metadata management
 - <https://github.com/SciCatProject/scicat-backend-next/issues/954>
 - As we use SciCat as our platform to curate our dataset, it is becoming more important to be able to add, update or delete individual scientific metadata entries
 - High priority
- Dataset history and update history
 - should we create a stand alone collection for update history?
 - should we track any changes made to datasets?
 - should we track changes made to other objects?



SciCat Collaborators Zoom meeting details

Topic: SciCat Collaborators Meeting

Time: Feb 6, 2024 04:00 PM Copenhagen

Every 2 weeks on Tue, until Dec 24, 2024, 24 occurrence(s)

Join Zoom Meeting

<https://ess-eu.zoom.us/j/61405959531?pwd=MllyYm12RS9RNEdGTzR3bXRvNGp5Zz09>

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