

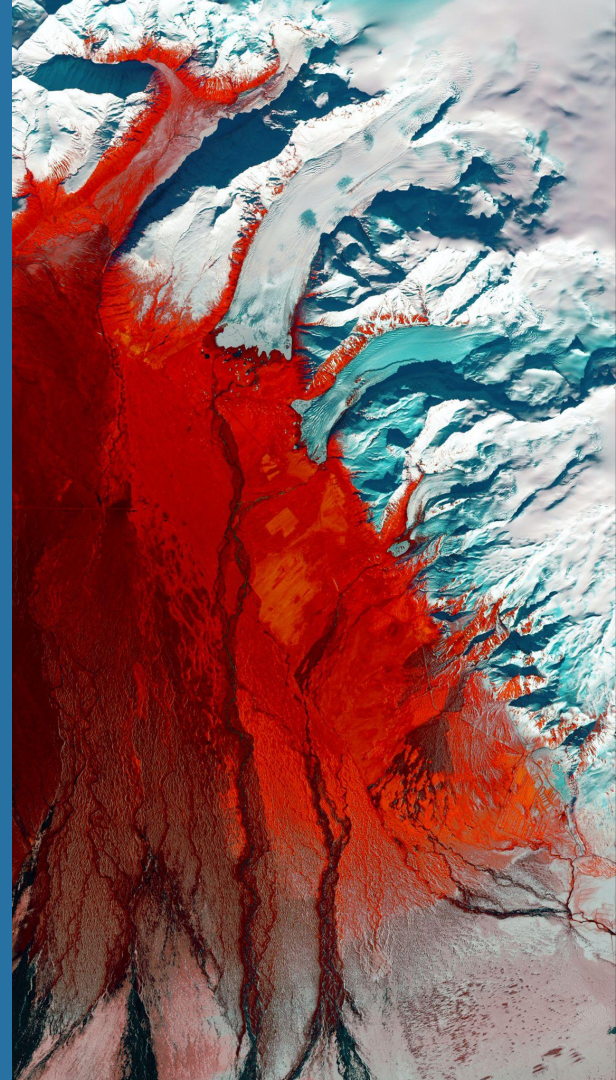
Introducing Strands

A JSONSchema repository

Tom Clark

CEO, Octue

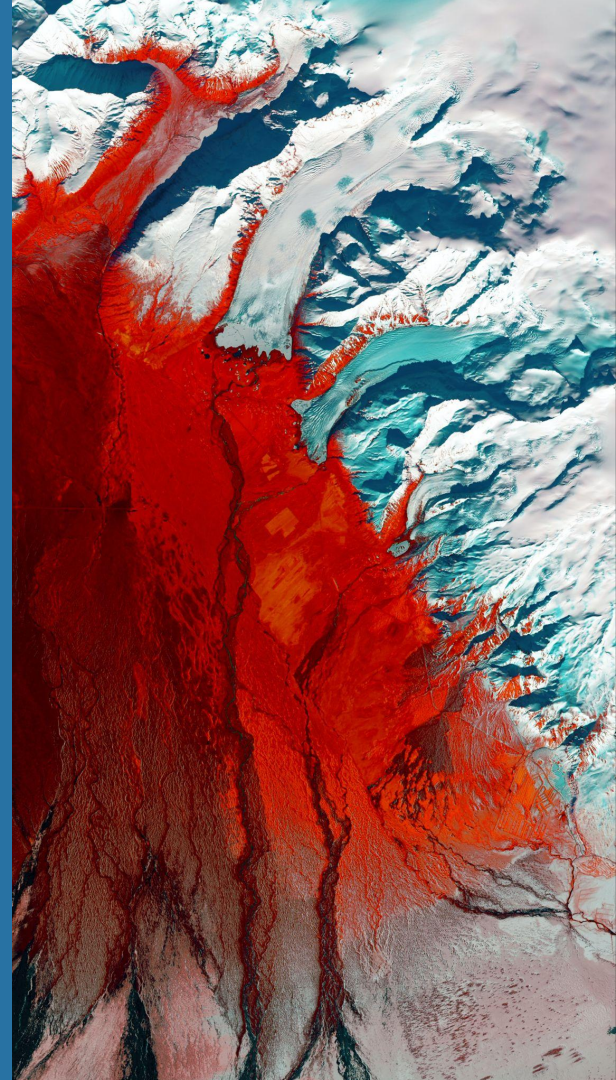
5th of December 2024



Our mission: Help scientists and engineers work more effectively with data

Octue is a Open Source Software organisation:

- we develop open-source tools for scientists
- we provide consultancy on data engineering and application development
- We specialise in renewables and climate, with most of our work in wind.



Today

Elephant in the room: A flagrant violation of APIDays conference policy and why you should forgive me

Introducing Strands: What, why, and a new business model

Status: Project update and roadmap

Demo: Watch Tom touch the third rail and bork the MVP

Integration and support: GitHub Discussions, GitHub Actions





What's new

Frontend in beta testing!

A new way of using JSONSchema






Curate and publish your JSONSchema. Track versions and breaking changes, build schema, keep \$refs to hand and distribute your schema on a Global CDN... for lightning-fast access anywhere.

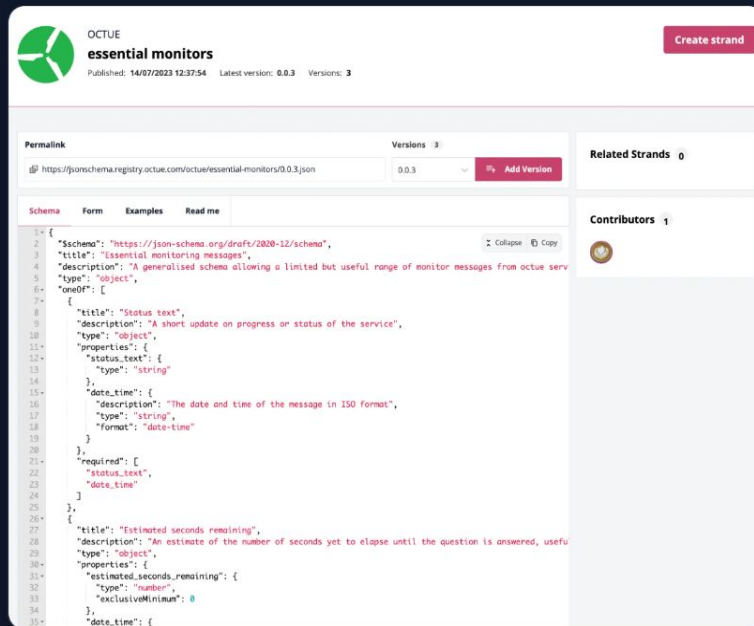
[Learn more →](#)

Manage changes

Easier JSONSchema

Work with, reference and share schema, managing evolution of a schema over time to help your colleagues keep track.

-  **Curate and publish** a set of JSONSchema for your organisation, all in one place.
-  **(Coming soon!) Use the no-code editor** to take the pain out of building and editing schema.
-  **Control versions using SemVer** to highlight breaking changes and new features.
-  **Fine-grained permissions** allow you to manage users and teams.
-  **Published on Global CDN** for lightning-fast and fault-tolerant retrieval of schema.



The screenshot shows the JSONSchema Registry interface for a schema named "essential monitors". The header includes the OCTUE logo, the schema name, and a "Create strand" button. Below the header, the "Permalink" section shows the URL "https://jsonschema.registry.octue.com/octue/essential-monitors/0.0.3.json" and a "Versions" dropdown set to "0.0.3" with an "Add Version" button. The main content area displays the JSON Schema in a code editor with line numbers 1-35. The schema defines an object with two properties: "status_text" (a string) and "date_time" (a string in ISO format). It also includes a "required" array and a "properties" object for "estimated_seconds_remaining" (a number with an exclusive minimum of 0). The right sidebar shows "Related Strands" and "Contributors" sections.

Pricing that makes a difference

Strands is a non-profit venture. Every penny goes to supporting the JSONSchema and wider Open-Source Software ecosystems.

Individual

Free for individuals to post their JSONSchema.

£0 / forever

- ✓ Unlimited schema
- ✓ Permanent hosting for robust referencing
- ✓ Distributed on a global CDN for quick access
- ✓ Schema pages indexed and findable in the strands app search results
- ✓ Version assistance to highlight breaking changes
- ✓ Support via GitHub discussions

[Sign up for free](#)

Organisation

Most popular

Everything an organisation needs to manage a portfolio of JSONSchema

£25 / month (5 users)

- ✓ ... as individual tier, plus...
- ✓ Team/User management
- ✓ Fine grained permissions
- ✓ Publish from GitHub actions
- ✓ Schema pages SEO-optimised for maximum findability
- ✓ (coming soon!) Custom webhooks
- ✓ (coming soon!) No-code editor

[Buy now](#)

Enterprise

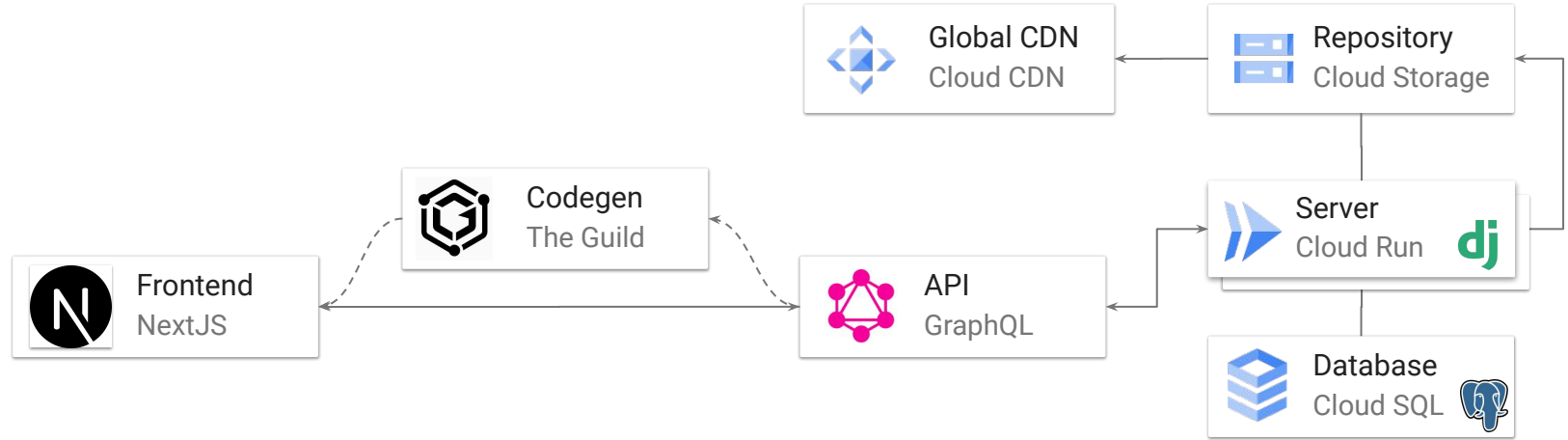
Dedicated support and infrastructure for your company or governmental agency.

£POA

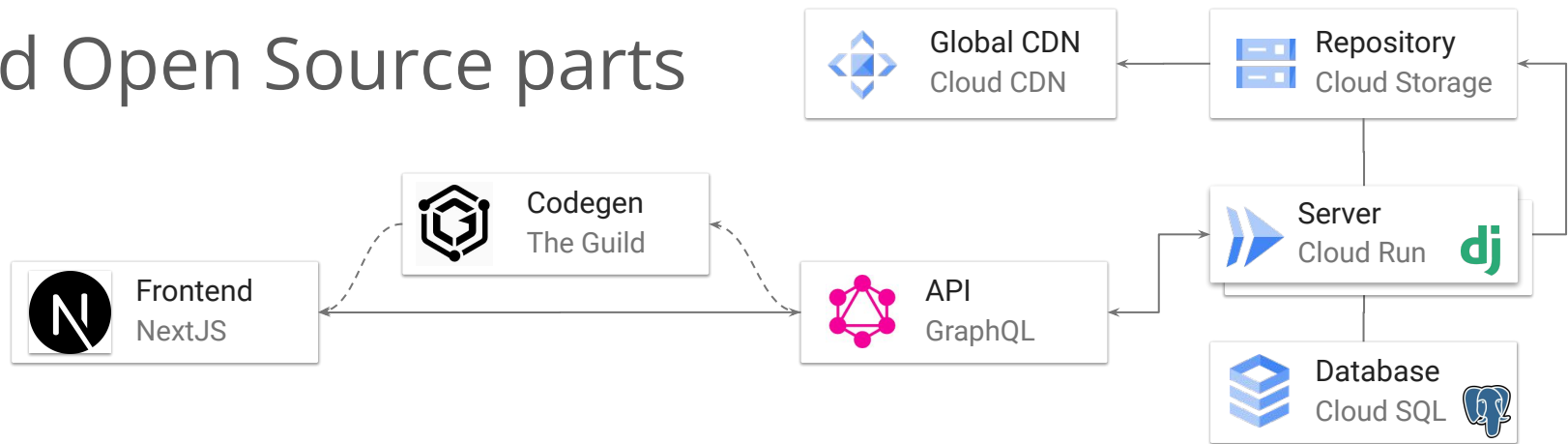
- ✓ Single Sign On
- ✓ On-premises solutions
- ✓ Advanced analytics
- ✓ Dedicated support
- ✓ Private repositories

[Contact us](#)

About the stack...



...and Open Source parts



*Coming soon:
nextjs-allauth*

*Sponsoring:
strawberry-django*

*Maintaining:
django-gcp*

*Now maintained:
django-guardian*




```
{ presentation?.sections.demo && <Demo /> }
```

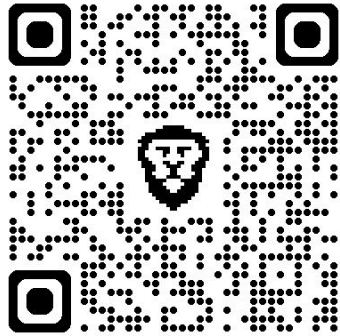


 strands
a JSONSchema repository

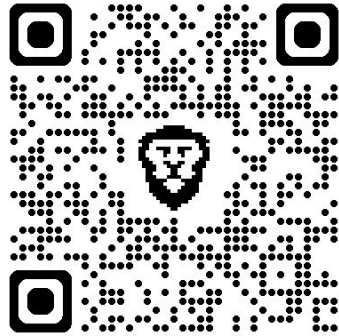
sponsored by
 Octue

Use it, discuss it, automate it!!

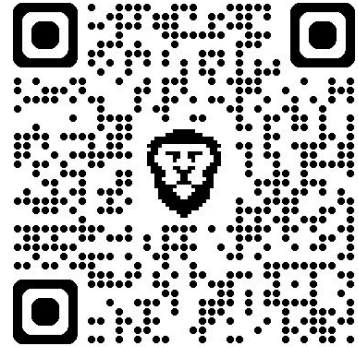
Strands



GitHub Discussions

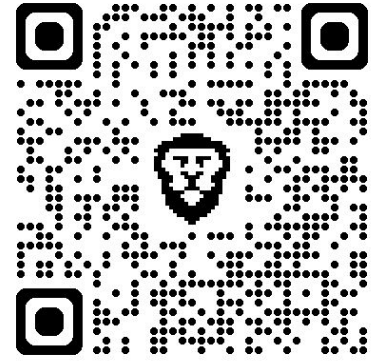



GitHub Actions



...and find me on linkedIn!

*Thanks for
listening!*



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