



Ready to use Backend for the Modern Web.

with instant **REST**, **GraphQL** and **WebSocket** APIs for **MongoDB**.

designed for **speed** and **simplicity**



to cut time and costs
and make **developers happy!**



downloaded > 1,5 million times
by startups and enterprises

Made with  by SoftInstigate

<https://restheart.org>

ask@restheart.org

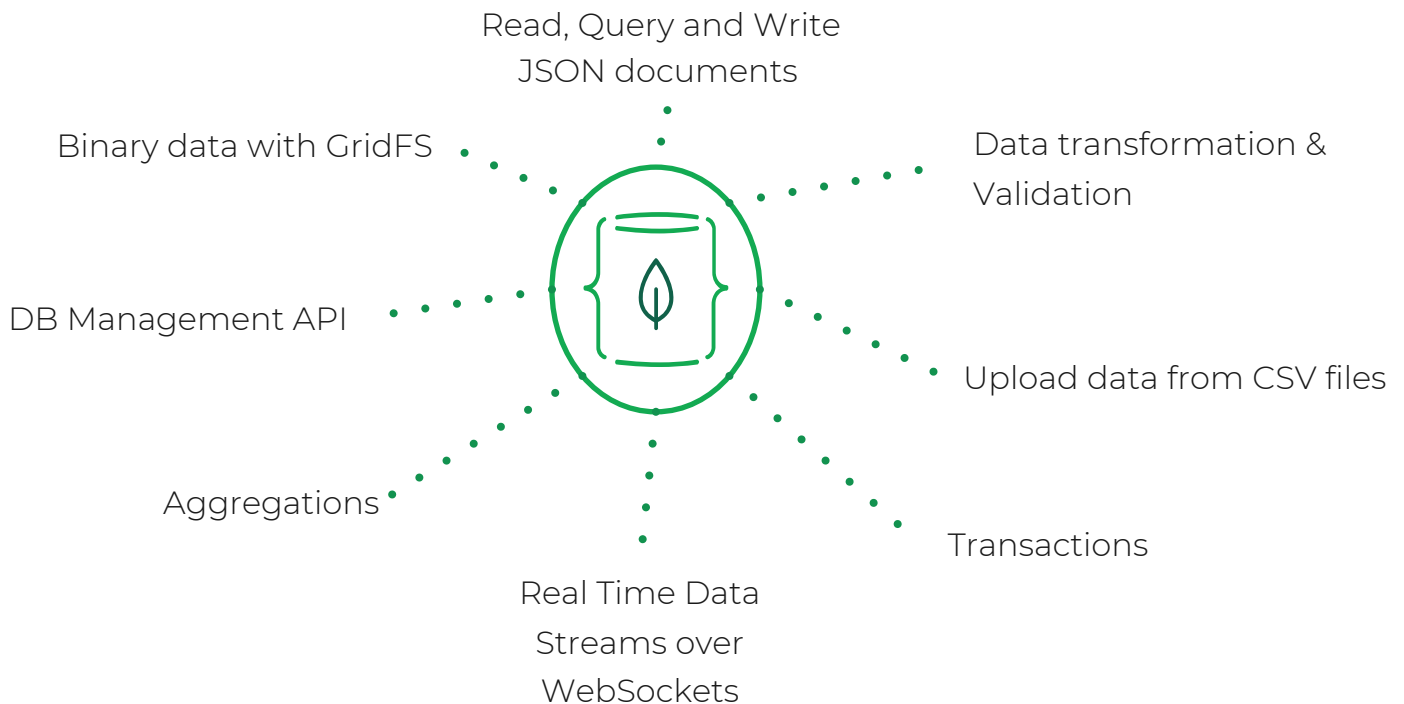


The perfect MongoDB's companion



RESTHeart **automatically connects to MongoDB** and any compatible database (Percona Server, AWS DocumentDB, Azure Cosmos DB)

- Exposes **full database's** capabilities via **REST, GraphQL** and **WebSocket** APIs
- Developers don't need to write a single line of code to serve **JSON** data and multimedia content to **Mobile** and **Web Apps**
- The Data API **cuts software development complexity and costs** up to 90%





Modular and extensible

RESTHeart is modular and can be easily extended.

- The Core Runtime is the foundation
- Each functionality, e.g. the GraphQL API, is implemented in its own module
- Manage modules by adding or removing them from the “plugin” directory

Security

Authenticate clients via multiple schemas and role-based authorization policies, via simple configuration.

The security layer can integrate external providers and implement fine-grained security policies.

Data API

RESTHeart leverages MongoDB to provide all data functionalities required by modern applications.

Supports all the features of MongoDB including queries, aggregations, change streams and transactions!

Core Runtime

RESTHeart Core Runtime deploys and runs modules in a lightweight, multi-threading, secure execution context.

It is built for stability, coded on solid Java foundations and covered by hundreds of tests.

Dev Framework

Develop *Web Services* to execute logic on different stages of the request/response life-cycle.

Supports Java, Kotlin, JavaScript, TypeScript and leverages GraalVM language interoperability (e.g. call Java core methods from JavaScript).

API gateway

Use RESTHeart as the *Ingress* for your microservices to handle them under the same security context.

This makes possible proxying external microservices, made with Node.js, Spring Boot, AWS Lambda, etc





Fast development

RESTHeart is a **Runtime for microservices** that provides developers with 80% of the most common features and a modern framework to develop the remaining 20%

- Declarative **Authentication** and **Authorization**
- Instant **REST**, **GraphQL** and **WebSocket** API for MongoDB
- **SDK** to develop custom Web Services
- Fully documented at <https://restheart.org/docs>



Fast deployment

RESTHeart is especially tailored for **Docker** and **Kubernetes**, it's designed to radically simplify microservices' development and deployment.

- Ready-to-run Runtime
- Available as a standalone JAR file, native binary or Docker image
- Deploy it on Cloud and On-Premises

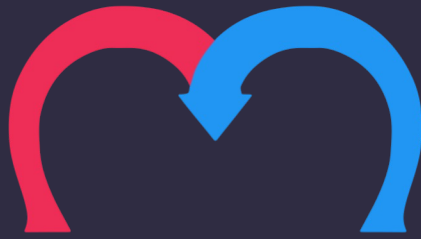


Dual license

RESTHeart is dual-licensed under the AGPL and a Business Friendly Enterprise License

- Use the open-source distribution for free
- Purchase the **Business-friendly License** for production-grade support and to use RESTHeart in closed source products or services





RESTHEART

Ready to use Backend for the
Modern Web, with instant API for
MongoDB.


Contact us

ask@restheart.org

Get more information

<https://restheart.org>



Made with  by SoftInstigate
<https://restheart.org>
ask@restheart.org