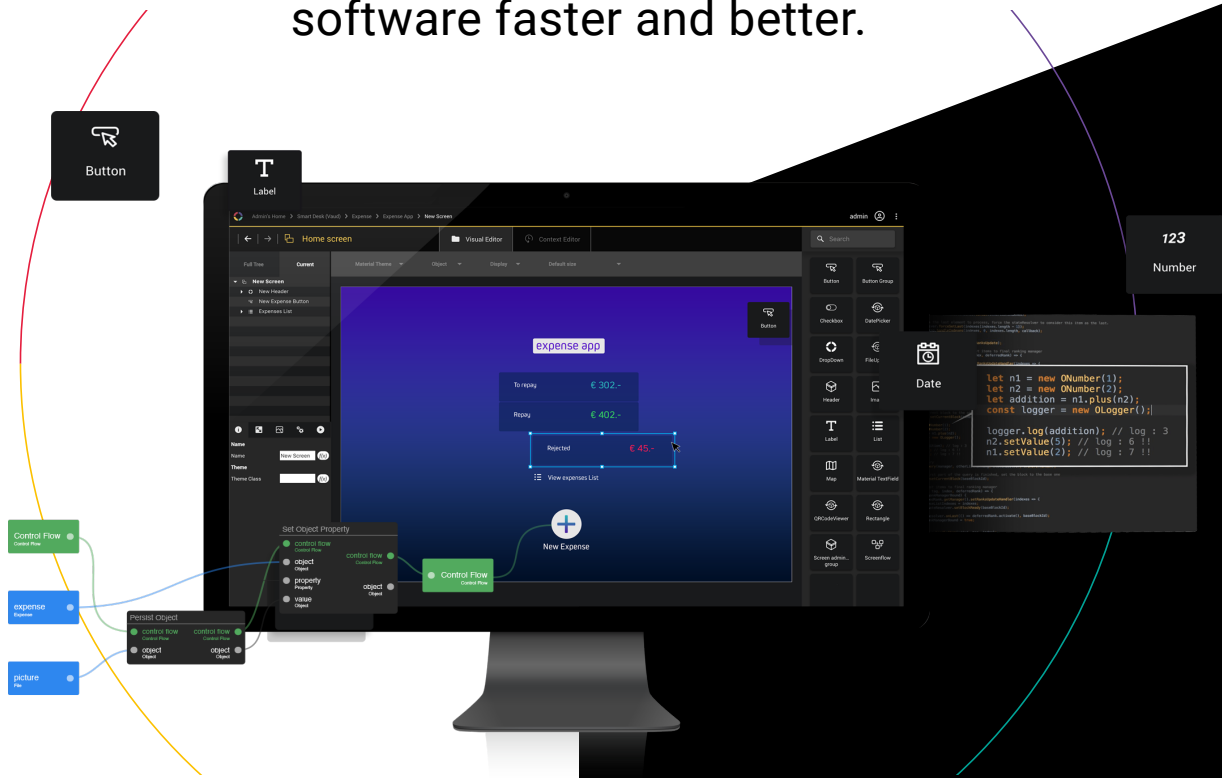


Discover the different components of the Olympe platform, which make it a unique technology to develop and operate software faster and better.



USE DRAW TO VISUALLY PROGRAM FRONT AND BACK ENDS


- Design screens
- Build data models
- Draw business logic




GO FURTHER WITH CODE BY BUILDING ADVANCED FEATURES:

- Custom data processing
- Software integration
- Hardware integration
- Advanced UI

OPERATE YOUR SOFTWARE SEAMLESSLY, ITERATE IN REAL-TIME WITH:

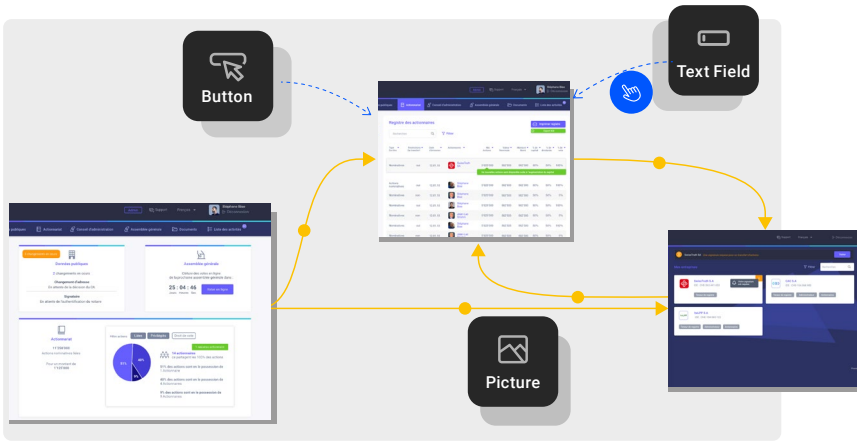
 Olympe Virtual Machines interprets software as data and runs what you've built with DRAW and CODE on any device

 Olympe's Orchestrator manages authentications, data access and persistence and authorizations without executing any business logic



DRAW is a visual tool to create applications and service without writing a single line of code.

Build the best possible digital solutions with the relevant experts: UI/UX design, business innovation, developers, end-users. Software created in DRAW is stored as data (not code). This data is then interpreted in real-time by an OVM



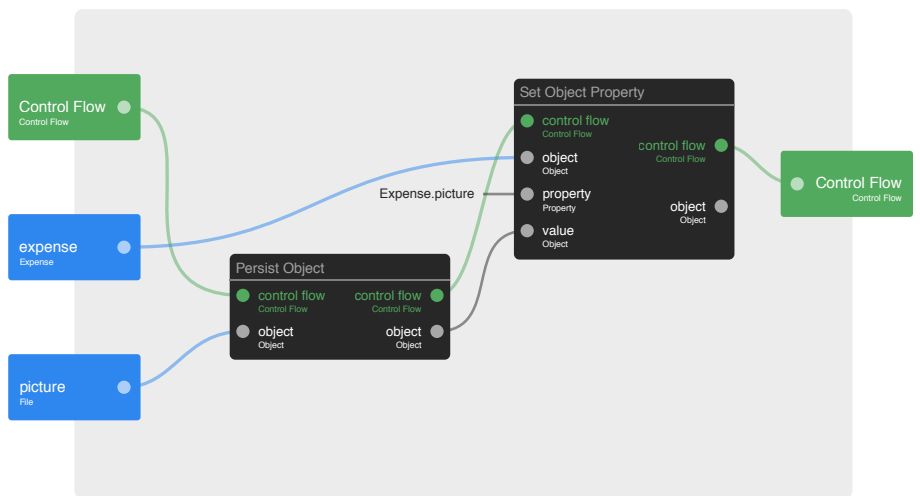
UI EDITOR

Draw your digital solutions, assemble your screens, connect your data and deploy in real-time. Real-time data flows can be connected to and from UI components, by simply drawing a line between the bricks that represent the data source to the UI element.

LOGIC EDITOR

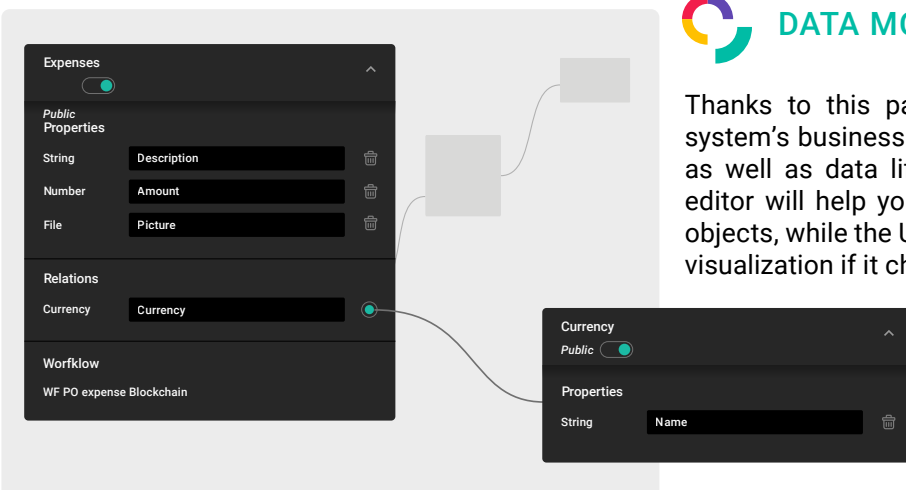
One of the Olympe platform's unique features is Event Stream Processing (ESP), its ability to process real-time streams of data. With the logic editor, define the project's applicative logic when assembling bricks, through algorithms, processes and workflows.

You can assemble bricks and collect data from heterogeneous sources and process them together in order to gather cross-system business insights in real time.



DATA MODEL EDITOR

Thanks to this particular editor, you can define your system's business objects, their attributes and relations, as well as data lifecycles and access rules. The logic editor will help you create, update, and query business objects, while the UI editor will automatically update data visualization if it changes anywhere.





Enrich the Olympe platform by coding new features into existing bricks or creating your own from scratch.

CODE is conceived as a framework over a widely used language: JavaScript.

ITS MAIN FUNCTIONALITIES ARE:

- ✓ Easily process real-time data flows
- ✓ Integrate with hardware or software
- ✓ Make continuous queries on database

FEATURE EXAMPLES:

Perform advanced integration with third party systems

Integrate your project with legacy databases

Create advanced UI bricks with Vectorial and 3D library

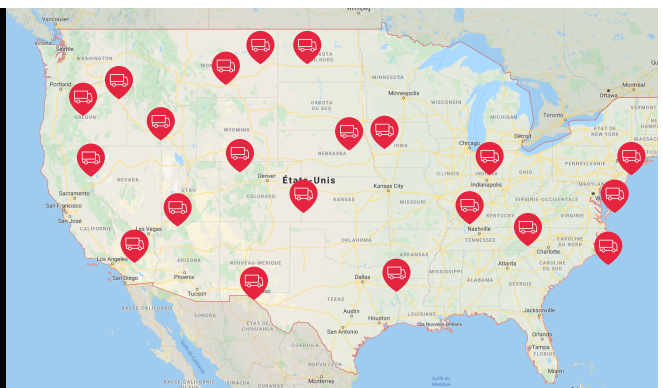
Access IoT sensors

Production line robot integration

And much more...

DATAFLOWS

```
mycompany.ui.custom.TruckDashboard = class
TruckDashboard extends Screen {
  render () {
    // ...
    truckList.forEach(truck =>
    dashboardMap.addMarker(truck.getID(),
    truck.getPosition());
    //...
  }
};
```



The Olympe platform is based on the concept of data flows. Any data is available through a pipe of data. Data flows are a key concept in CODE framework. The code written is concise and explicit. Programmer doesn't have to take care of any event.

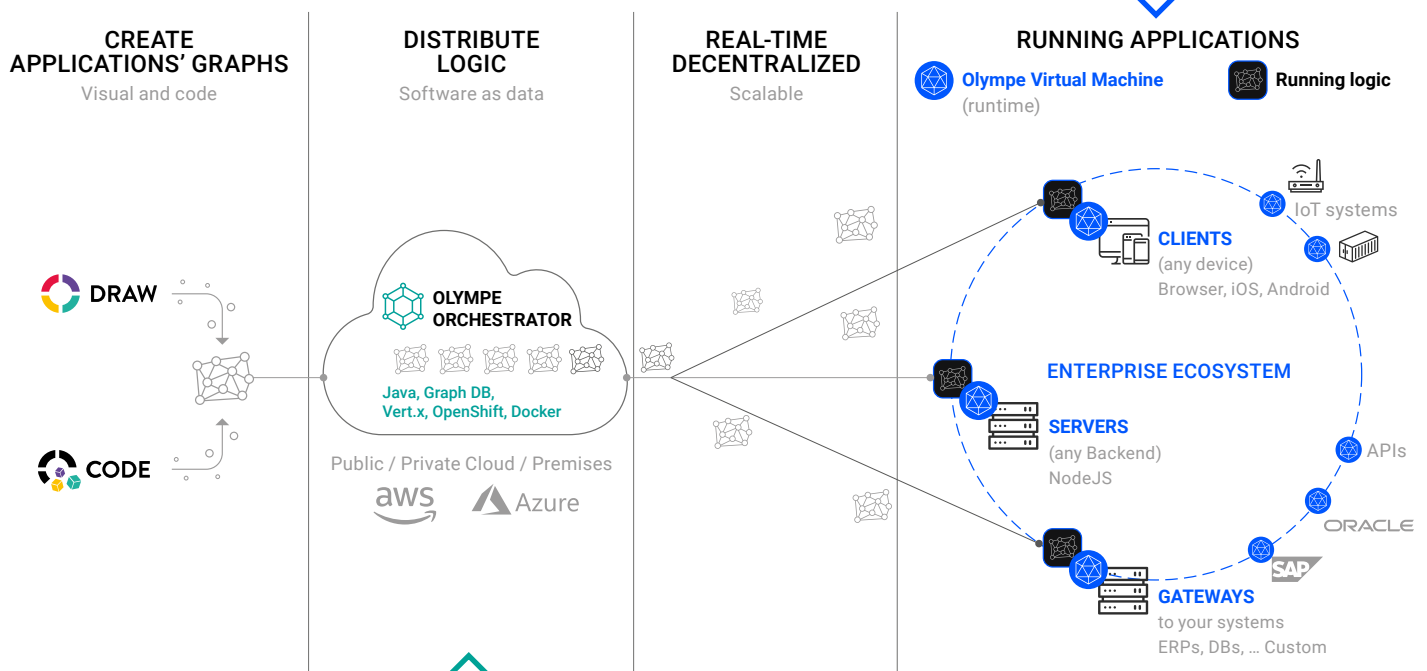
In the example above, a list of trucks is displayed in a map. This single line handles in real-time displaying new trucks, removing deleted trucks and updating their position on the map



OLYMPE VIRTUAL MACHINE (OVM)

In order to make sure your digital system works the way you want it to across all devices, the Olymppe Virtual Machine interprets your software specs as data and transforms them into executable applications. The Olymppe Virtual Machine is a device agnostic container that runs your digital solution in real-time the exact same way on any mobile device, server, embedded system, web browser, etc... It provides a standardized environment with common IT machine features on top of which applications and services can be run.

For instance, you can connect your enterprise data using OVM within a NodeJS sever. OVM will act as a gateway between the Olymppe platform and your own legacy databases or systems. CODE uses a JavaScript framework and runs in NodeJS for the backend, and in HTML or native for the front end. OVM will also have the capacity to make direct connections between them to share data which is not stored centrally (P2P communication).



ORCHESTRATOR

Orchestrator is a crucial component of the Olymppe platform. It is used in a public or private cloud to:

- Authenticate users and OVMs (Secure Remote Password protocol, SAML re-login with token)
- Monitor OVMs
- Allow OVMs to communicate with each other securely and in real-time
- Receive data update notifications in real time
- Store data that needs to be persisted over long periods of time
- Control access rights

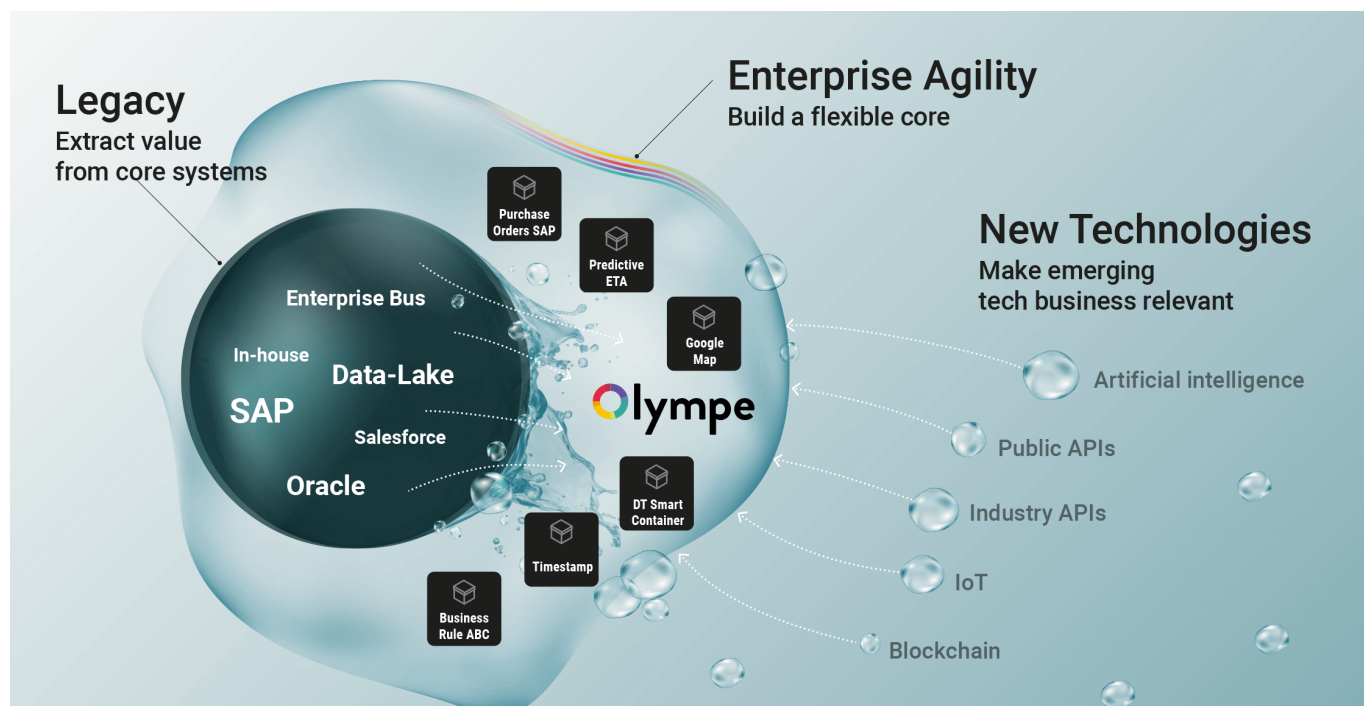
Technologies used:

- Java
- Graph DB
- Vert.x
- OpenShift
- Docker

Orchestrator is built with a micro-services-oriented architecture. Therefore, each specific responsibility (authentication, subscription, notification, ...) can be scaled independently. Orchestrator is a repository for your digital solutions' data. It is not a web server.



BUILD THE ADAPTIVE ENTERPRISE



INTEGRATION AND SCALABILITY

- ✓ Olympe easily integrates with legacy systems and databases, as well as IoT devices: webservices, DB protocol, gateway server and IoT gateway running OVM NodeJS, Olympe protocol.
- ✓ Olympe Virtual Machines are scalable thanks to edge computing capabilities
- ✓ Orchestrator is built to be scalable (load balancing, micro-services,...) and robust (failover)
- ✓ Subscriptions mechanism to fetch only the required data
- ✓ Distribute processing across Olympe Virtual Machines

SECURITY

- ✓ Olympe Cloud passed successfully security audits requested by our customers and executed by third party security experts
- ✓ All communications between clients and Olympe Orchestrator are secured with SSL
- ✓ SRP Authentication: users' passwords are not stored server side (nor even sent)
- ✓ Possibility to timestamp data in the private blockchain of our partner Guardtime to prove data integrity
- ✓ Minimal attack surface (2 ports open on Orchestrator server)
- ✓ Possibility to host Orchestrator on premise
- ✓ Untrusted clients by default

Visit our F.A.Q page or get in touch with our technical team through our contact form to request more detailed information.