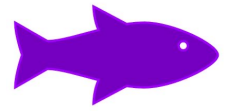# Platys – Platform in a Box

Accenture Technology

Platys – Platform in a Box

Platy fish are quite common among freshwater aquarists. They're beautiful, low-maintenance, quite fun to observe and ideal for beginners.

"A delivery ***accelerator that minimises efforts*** and ***time required for setting up a modern Data Platform*** to be used ***for Proof-of-Concepts (PoC)*** projects as well as ***trainings*** by providing a modular, extensible and configurable set of ***container-based services*** ready to be used."

AUTOMATED
Platys offers an automated way to provision a modern Data Platform. All services are **pre-configured with sensible defaults** and can be combined as needed.

EASY TO EXTEND AND EXPAND
New services **can be added to Platys** with **minimal effort**, All components available as a Docker image are a first-class candidate to be supported by Platys.

LIGHTWEIGHT
A complex environment can easily run on **a single machine** with all services available to be downloaded from the internet. This allows for a very lightweight transportation to another environment.

COST EFFICIENT
Platys **is free to use** and **open source**. It provides us and a customer **a vehicle to experiment with a set of components** without having to invest in infrastructure engineering.

RUNS ON PREM AND IN CLOUD
A Platys-based Data Platform can run locally on a **developer notebook** or on a **virtual machine in a data center** or in the **cloud**. It can be provisioned without the need for an infrastructure specialist.
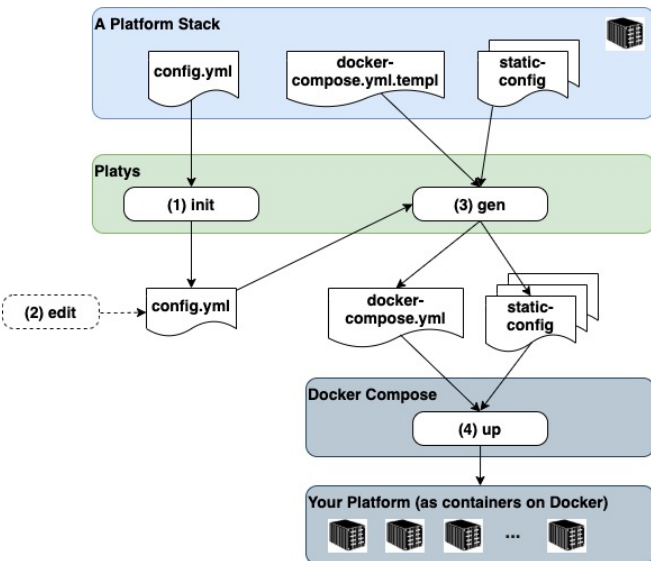
FUTURE PROOF
Such a Data Platform acts as a **blueprint for a future production setup** and can be transformed and ported to a production ready infrastructure with **minimal effort**.
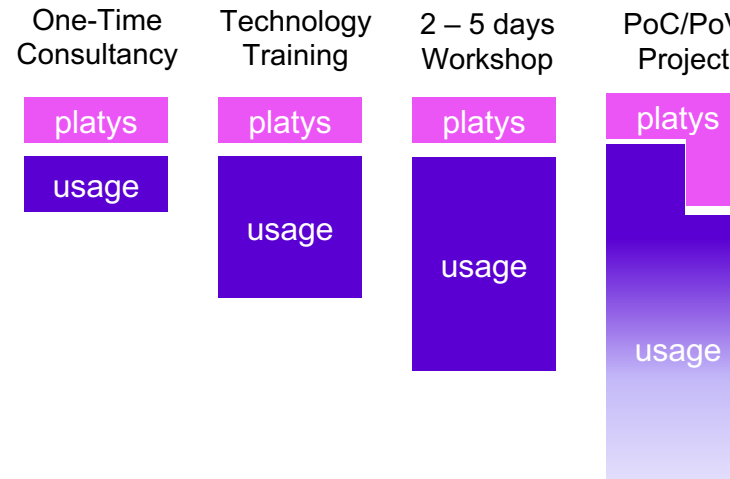
Platys – Platform in a Box

How does it work?

1. **Initialize** a new platform project
2. Select and configure the required set of services by **editing a config file**
3. **Run the generator** producing all necessary artefacts of the platform
4. **Start** the platform by running docker

How has it been used?

- Effort for provisioning a platform stays constant
- Difference lays in how long the platform is used

What's in the Box?

- > 100 services in context of a modern data landscape
- Kafka, Flink, Spark, Object Storage, NoSQL DBs, Real-Time Analytical DBs, Data Catalog, Data Viszualization, API Gateway, …