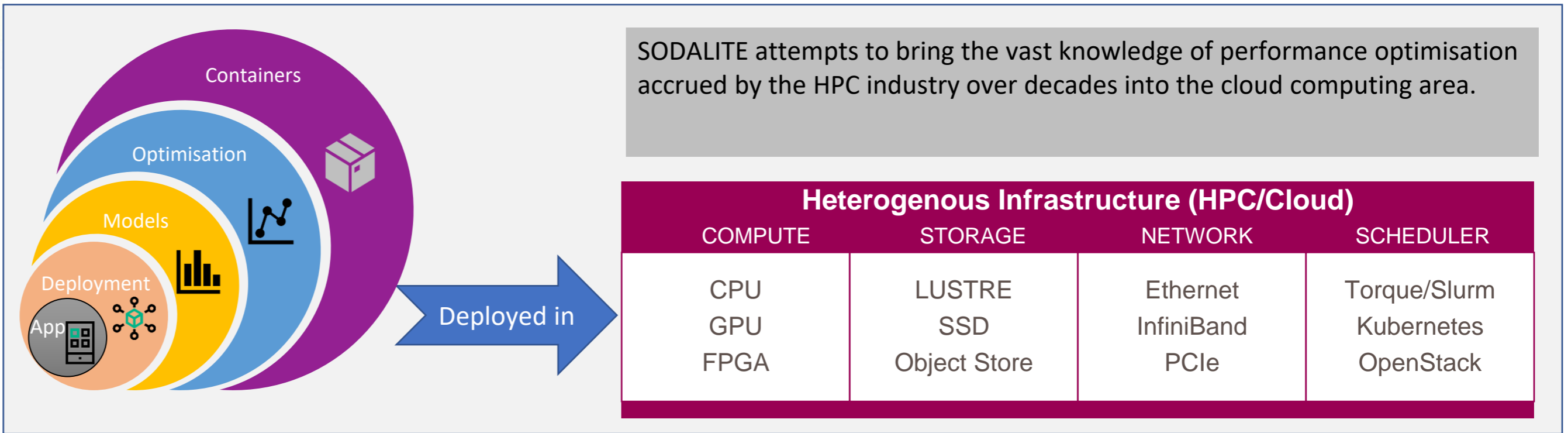


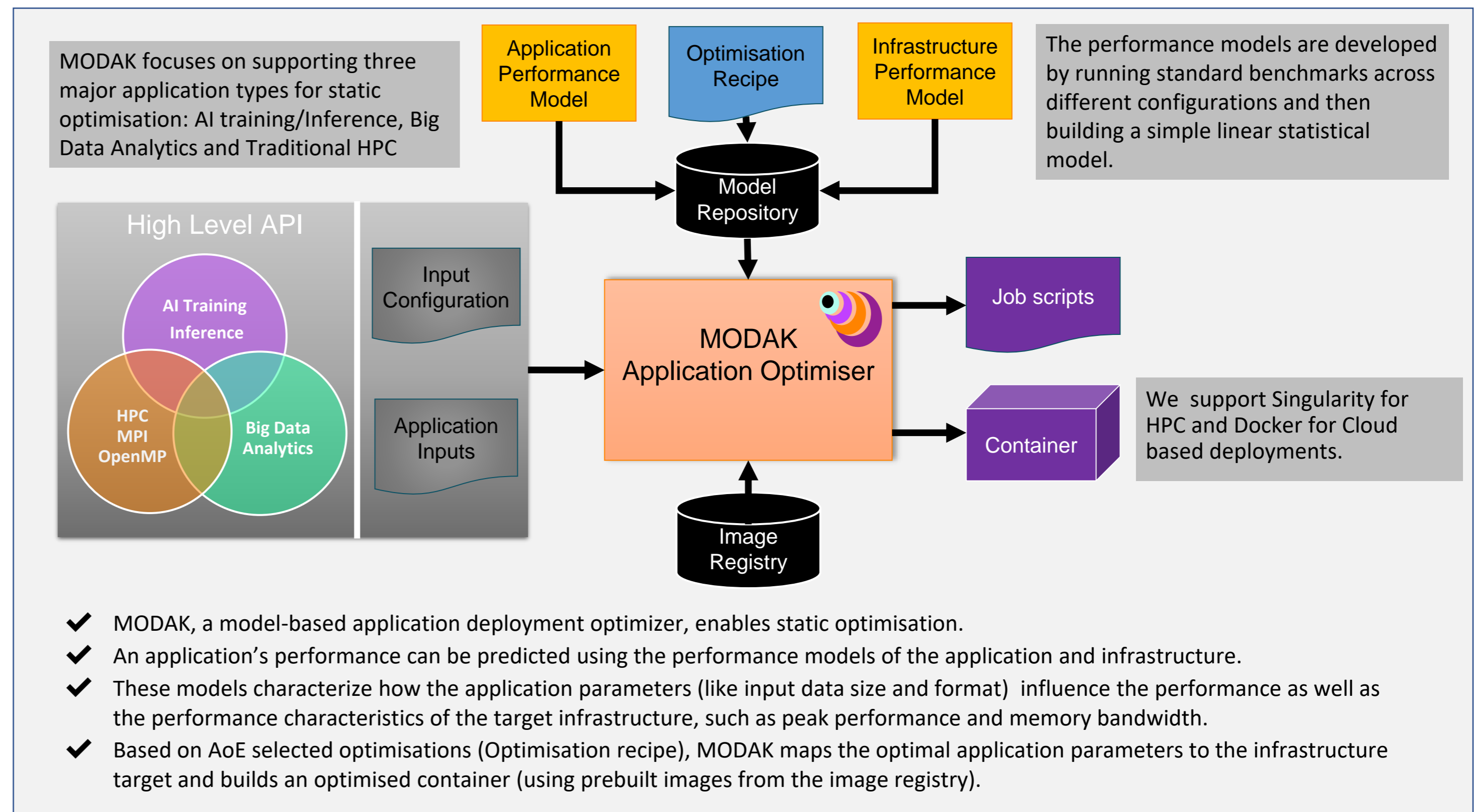
Performance Requirements



Simplify & fully exploit benefits of heterogeneous platforms

HPC Application Optimisation in Sodalite

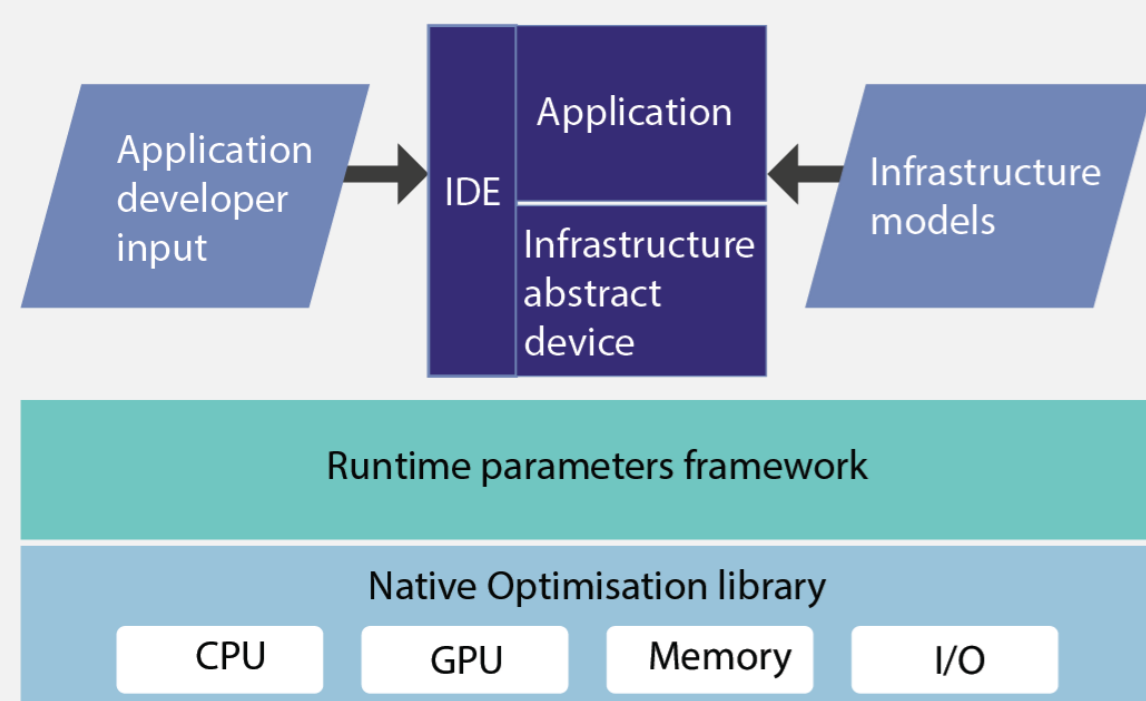
MODAK - Model based Optimiser for Deployment of Application (with Containers)



Vision

Simpler and faster development, deployment, operation and execution of heterogeneous apps in HPC, Cloud & SW-defined computing environments

Architecture



A **pattern-based abstraction library** that includes application, infrastructure, and performance abstractions

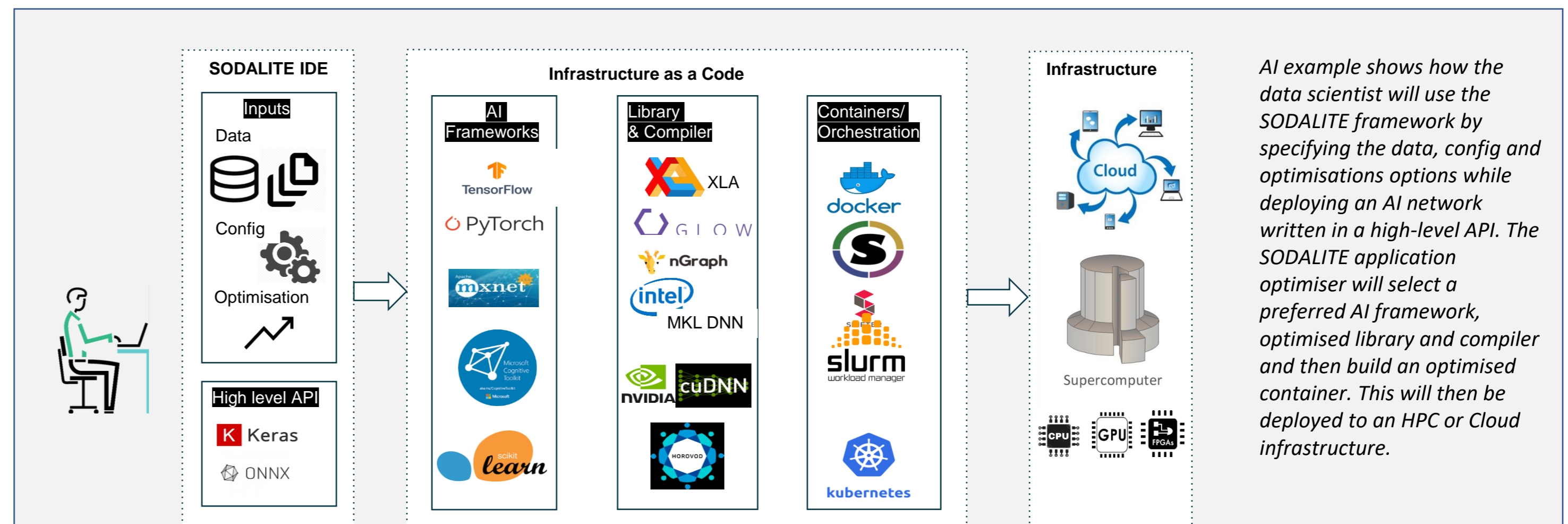
An **automatic Infrastructure as Code (IaC)** engine that facilitates the development process, and also reduces deploying errors

A **design and programming model** for applications and infrastructures based on the abstraction library.

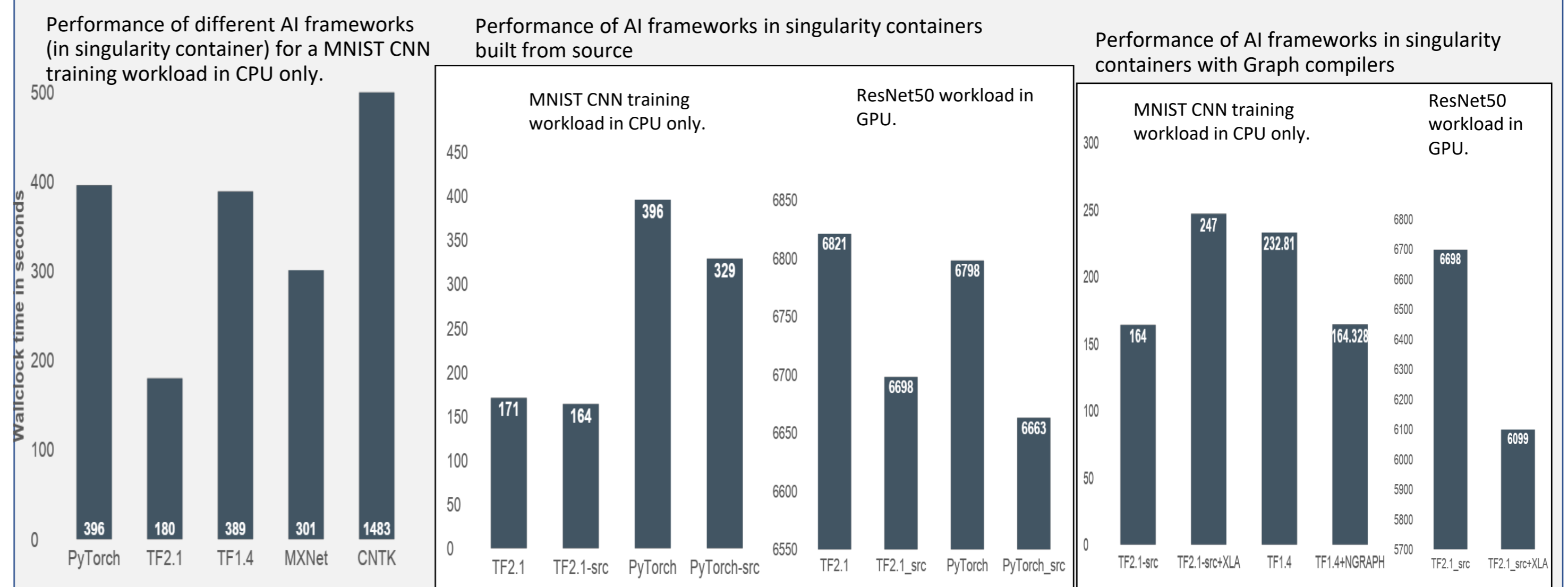
A **deployment framework** that enables the static optimization of abstracted applications onto specific infrastructure.

Automated static and run-time **optimization and management of applications.**

AI Example



Comparison of AI Frameworks



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825480.

SODALITE IDE

