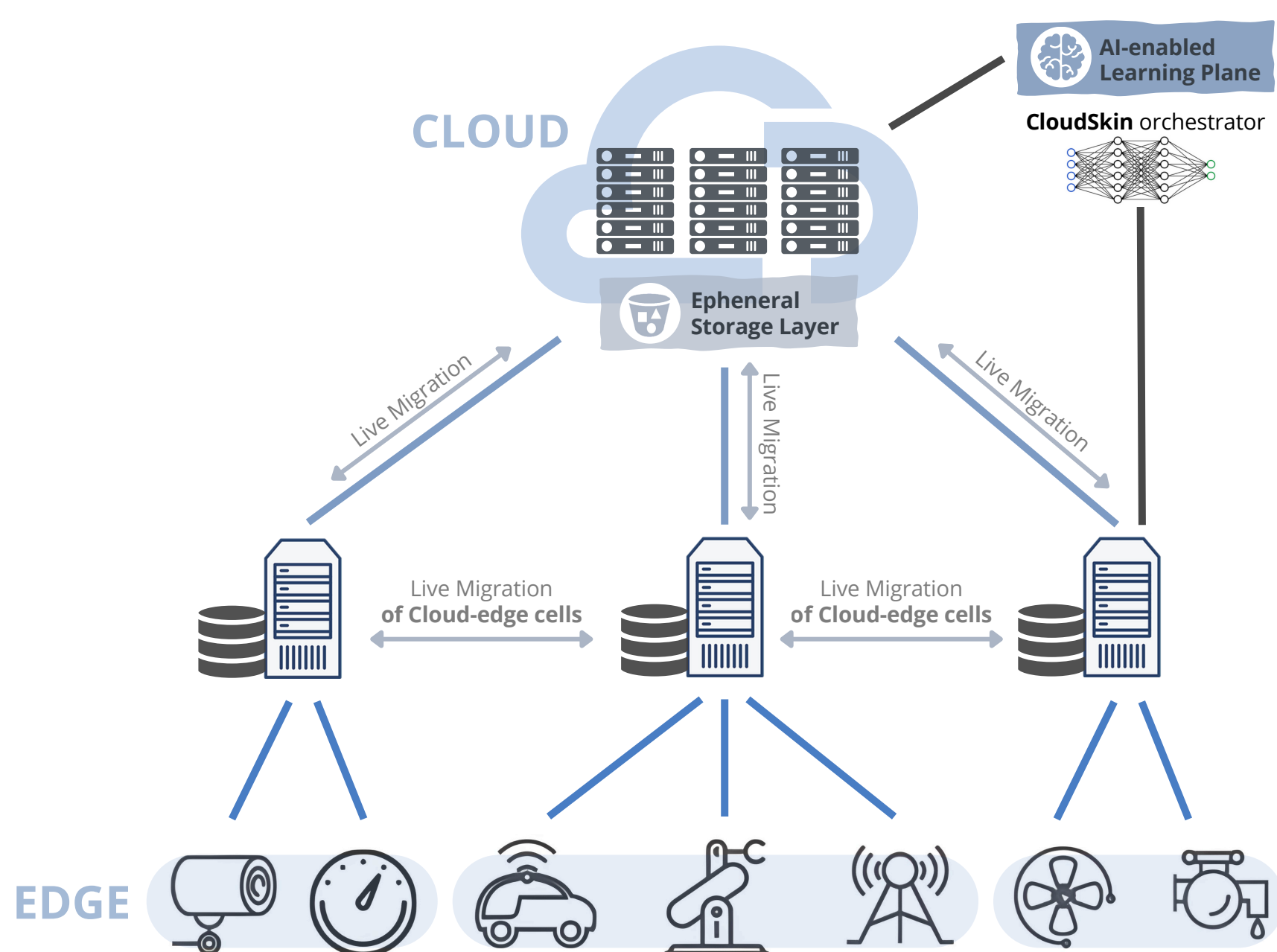


cloudSkin

Adaptive virtualization for
AI-enabled Cloud-edge Continuum

I OBJECTIVES

CloudSkin aims to design a **cognitive cloud continuum platform** to fully exploit the available Cloud-edge heterogeneous resources, **finding the “sweet spot” between the cloud and the edge, and smartly adapting to changes in application behavior via AI**. To facilitate automatic deployment, mobility and security of services, CloudSkin will build an innovative universal container-like execution abstraction based on WebAssembly that **allows the seamless and trustworthy execution of (legacy) applications across the Cloud-edge continuum**.



I PARTNERS



I COORDINATOR



I USE CASES



EDGE ORCHESTRATION AND VIDEO ANALYTICS

Orchestration of edge apps with matching cloud performance and the creation of AI video-analytics



SURGERY

Real-time edge video analytics with dynamic resource allocation and Private Deep & Federated Learning at the edge



METABOLOMICS

Edge/on-premise batch analytics and reduction of cloud offloading for the METASPACE metabolite annotation platform



AGRICULTURE IOT

Dynamic cloud offloading to match detail level and creation of an IoT-based agriculture data space

<https://cloudskin.eu>

[@cloudskin2023](https://twitter.com/cloudskin2023)

<https://github.com/cloudskin-eu>



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