

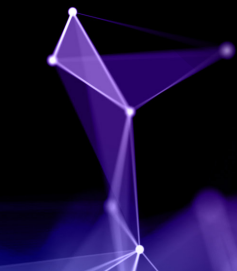
Shaping the Future of XR:

Innovations in Multi-Domain Orchestration



AI-Powered Resource Orchestration

Enabling intelligent and automated cloud-native resource scheduling and lifecycle management.



Cloud-Native Kubernetes-Native

Autonomous closed-loops through custom Kubernetes Operators and Custom Resource Definition (CRD)s. From application requirements and definitions to native Kubernetes resources.



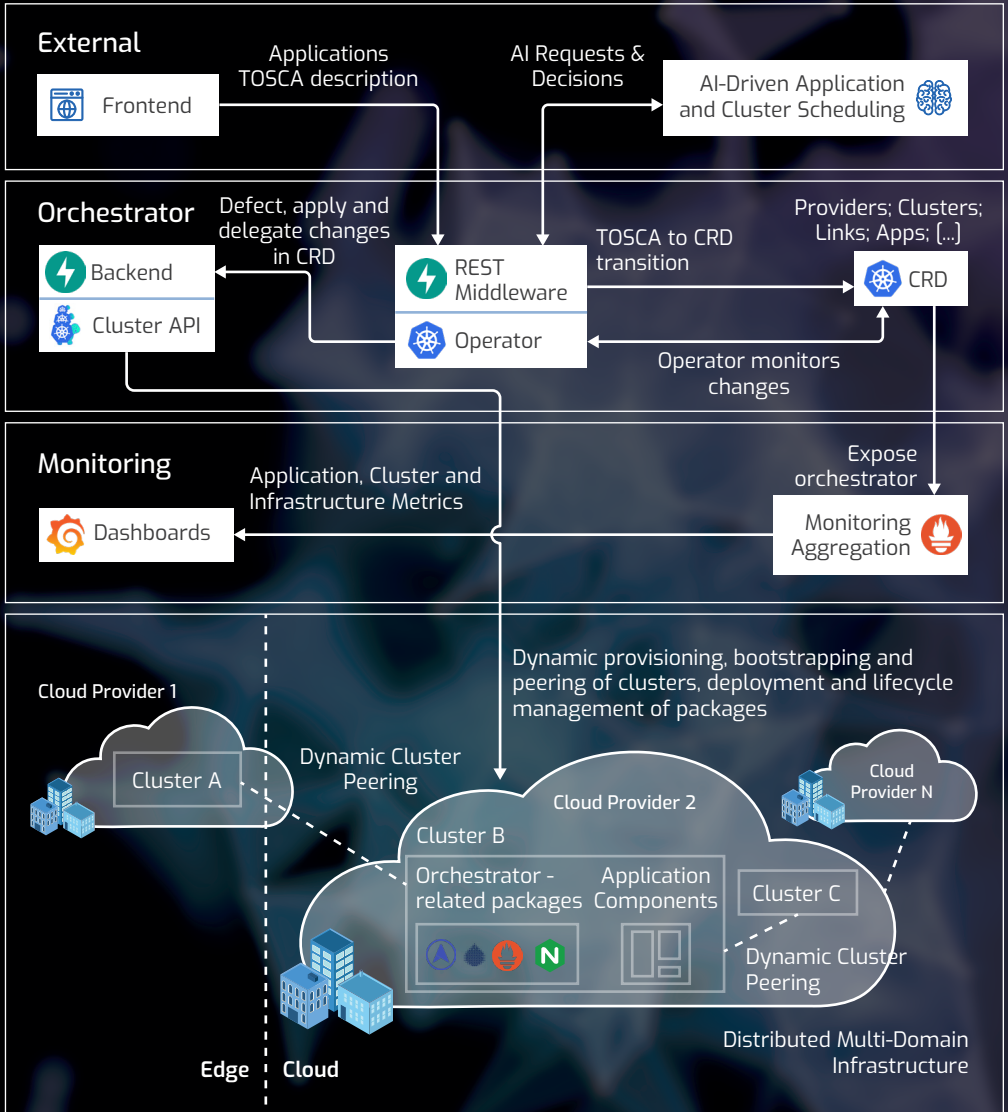
Multi-Domain Multi-Vendor

Streamline the interconnection of multi-vendor Kubernetes clusters through edge-to-cloud continuum.



The core of this architectural paradigm revolves around multi-domain edge-to-cloud orchestration, with a primary emphasis on Cloud-Native environments, XR services, AI-driven lifecycle management, and a set of open-source enablers.

Management Cluster



This paradigm draws inspiration from Zero-Touch Service Management (ZSM) architecture but is tailored to optimize and fulfil the demands of the next generation of extended reality (XR) services. We harness open-source technologies like Liqo and ClusterAPI to extend and facilitate the orchestration of Kubernetes clusters on top of heterogeneous infrastructures and providers.

This real-time AI-driven decision-making and resource orchestration unlocks the ultimate idea of a high-quality and uninterrupted AR/VR experiences.