



META-KERNEL Layer

Central service lifecycle management engine for continuum environments.

Adaptation engine, for monitoring, scheduling and orchestrating workloads across the continuum. It orchestrates workloads across the continuum operating at device/infrastructure level to deploy applications. At the same time, it continuously monitors performance allowing taking informed decisions to ensure the highest QoS/QoE levels.

Key Benefits:

- One single platform for orchestration management in distributed and heterogeneous environments.
- Modular and adaptable so it can be integrated with other existing solutions.
- It can be integrated with other layers to enhance its capabilities.

The Meta-Kernel Layer provides not only orchestration mechanisms but also monitoring and adaptation while it can be integrated with other layers according to specific user needs.

Potential Adopters:

- XaaS providers, aiming to provide orchestration management services to third parties.
- Infrastructure providers, who need such kind of systems to get the maximum benefits of their infrastructure.
- Application providers, owning or not their own infrastructure, but who need to manage their applications into distributed and heterogeneous environments.