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# Edge Cloud Placement Optimization.

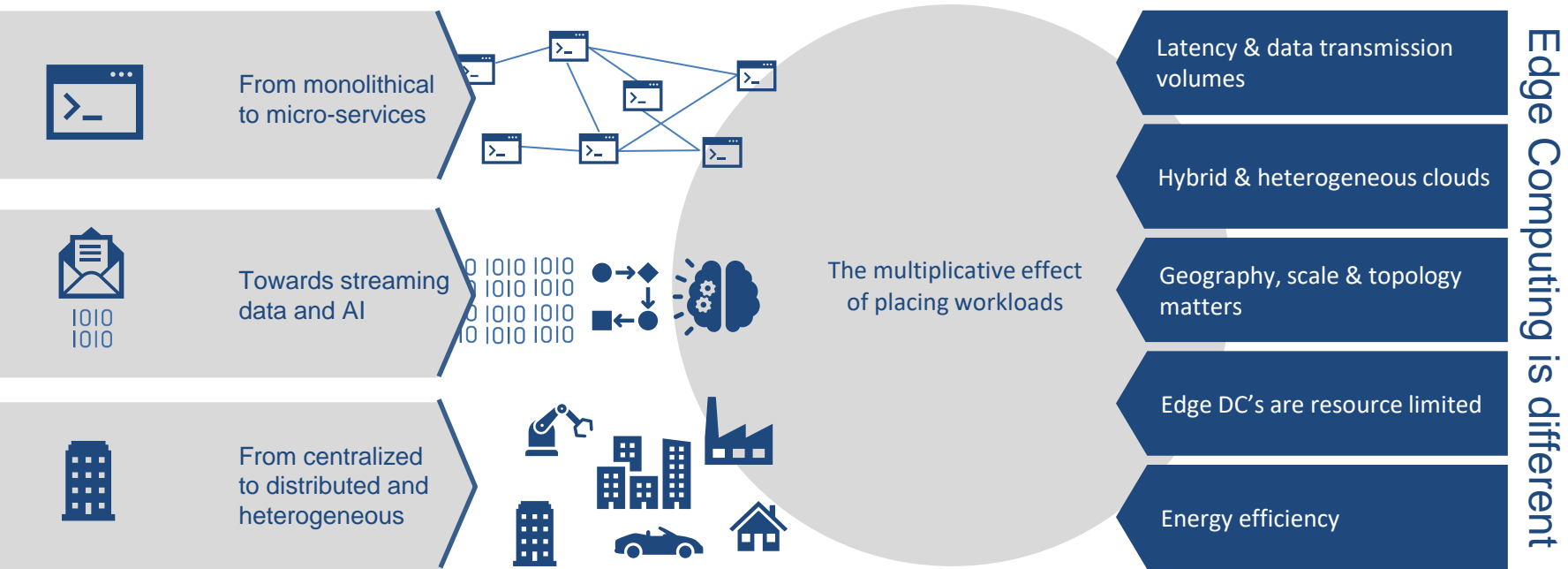
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3 November 2021

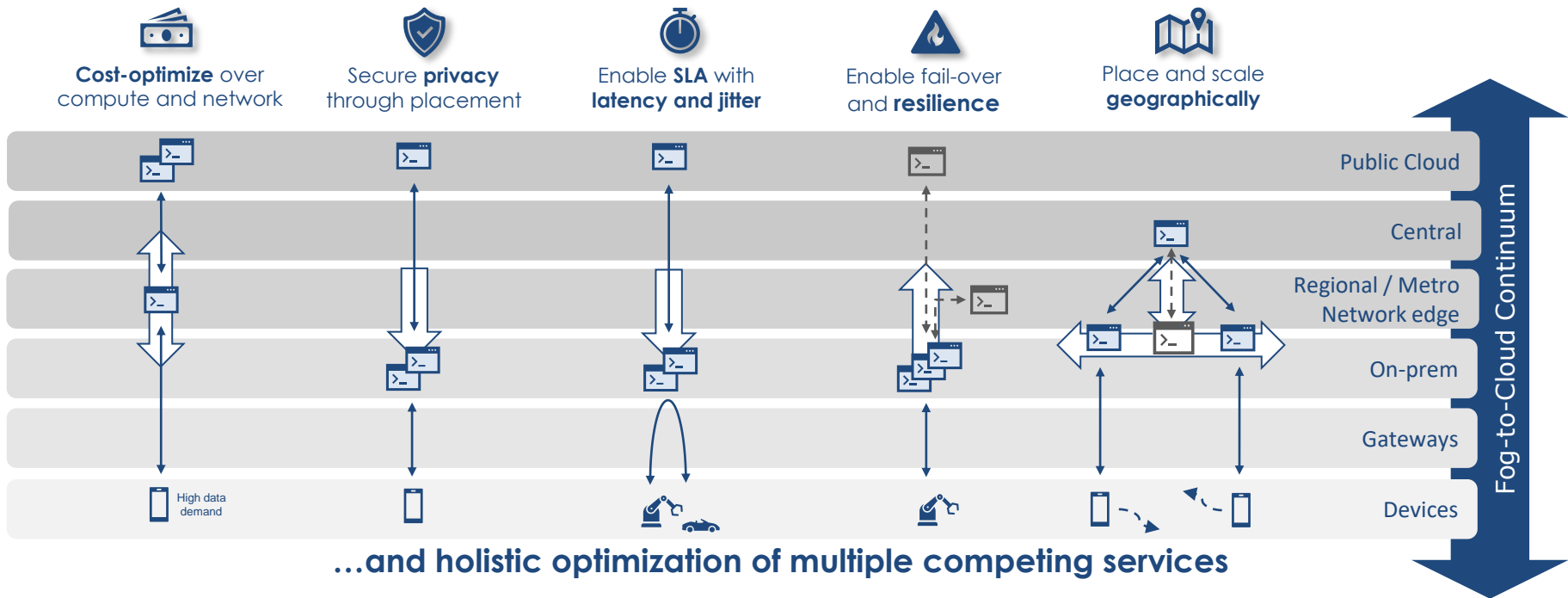
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Commercial in confidence

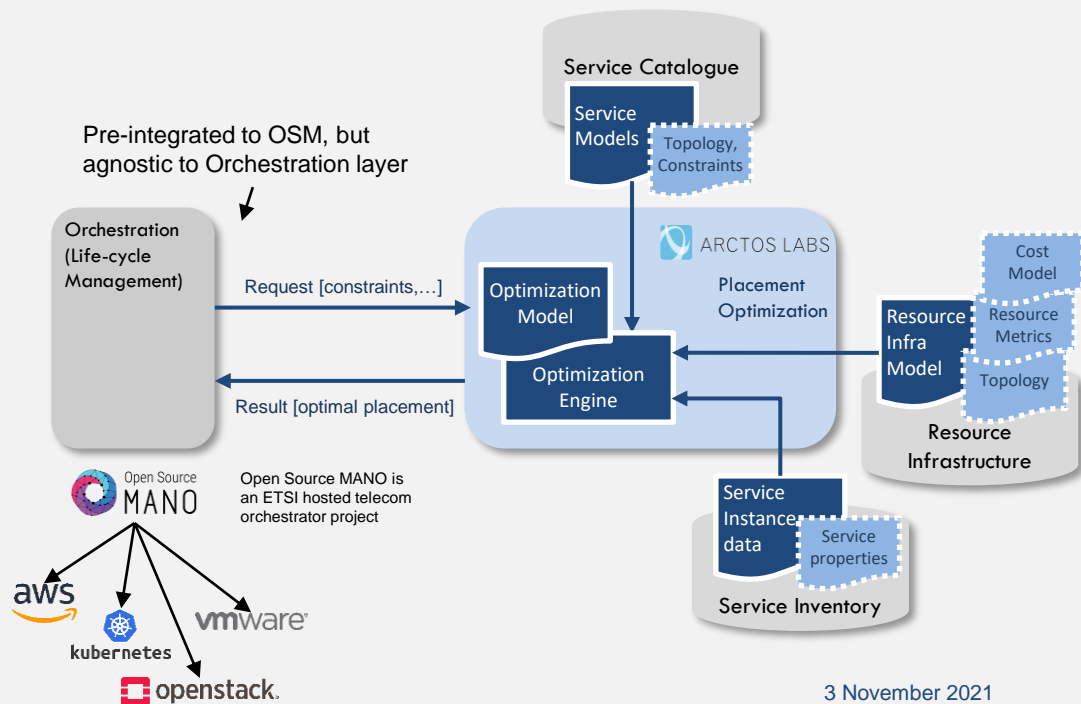
# The emergence of Edge computing



# Topology-aware placement optimization based on declarative intents













# Built for integration in larger systems



- Provided as stand-alone component
- Built on AI, code-generation and other technologies
- Use ECO for:
  - Service provision
  - Service assurance
  - GitOps / SW management
  - Service planning / analysis
- Agnostic to orchestration layer
- Plug-in architecture to facilitate integration to data sources

# Comparing ECO with alternatives

<i>Typical alternatives</i>	<i>Arctos Labs ECO</i>
Control: Policy 	<b>Declarative</b>
Algorithm: Embedded 	<b>Model-driven</b>
Service Topology: Single 	<b>Service chain</b>
Optimization scope: Single service 	<b>Multiple &amp; competing services</b>
Resources: Homogeneous 	<b>Heterogeneous</b>
SLA: Latency on access 	<b>Latency / jitter on any link in service topology</b>
Resource topology: One edge layer 	<b>Edge-to-cloud continuum, agnostic to topology</b>
Resource scope: Compute only 	<b>Compute and WAN transport</b>
Lifecycle : Push 	<b>Push &amp; Pull (GitOps)</b>
Integration : Closed orchestrator 	<b>OEM component</b>



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Thank you!

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# Value Proposition



Enable fail-over and **resilience**



**Cost-optimize** over compute and network



Reduce **energy consumption and cost**



Enable **SLA** with **latency and jitter**



Place and scale **geographically**



Optimize **deployment of AI/ML** inference



Utilize hardware **acceleration**



Secure **privacy** through placement