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The open source runway: Building the foundation for the agentic era

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#OSSUMMIT



The open source runway

2022–2024



Reactive bots
and Copilots

From bots
to agents

2025–Now

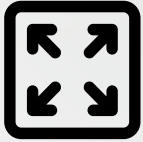


Autonomous
agents



LARGE LANGUAGE MODEL (LLM)

New workloads. New requirements.



Scale



Security



Cost-efficiency

The foundation we already have

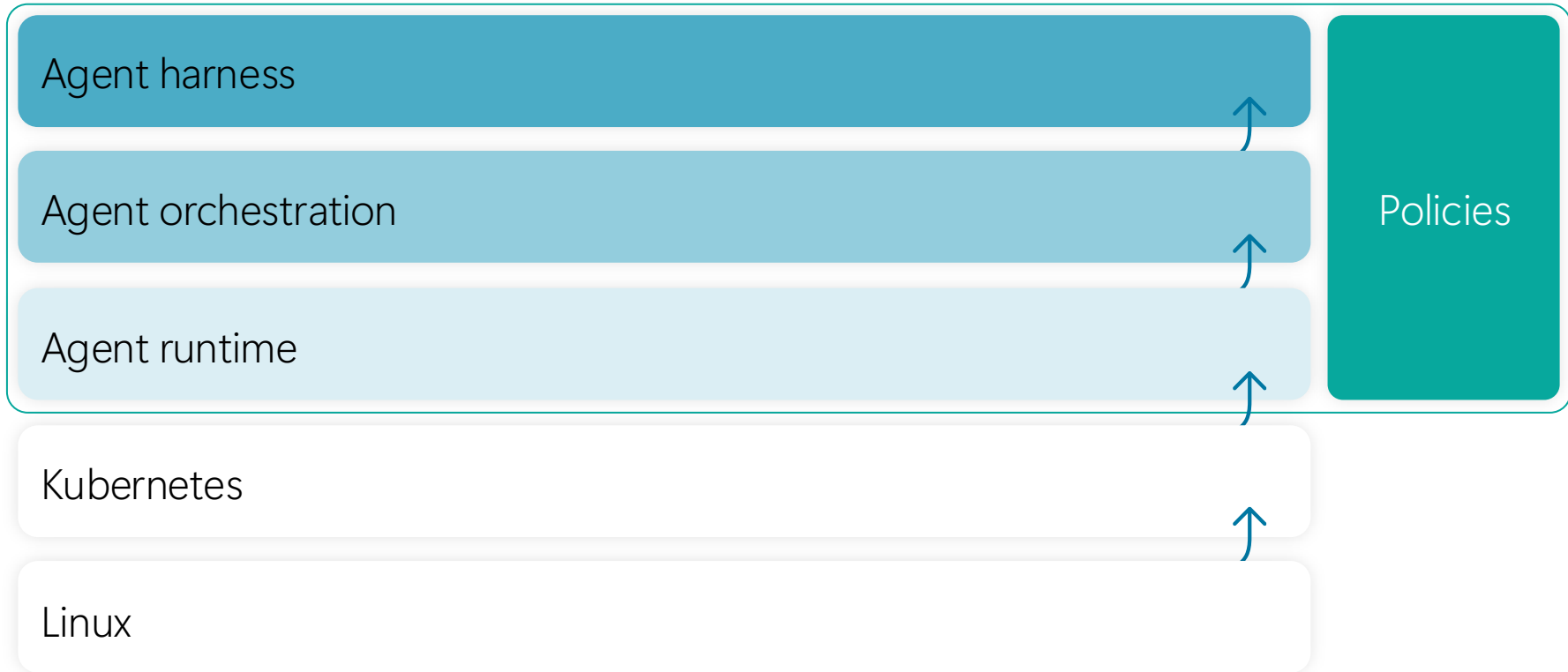


Linux



Kubernetes

The ideal agentic stack



Agent runtime

Hardware-aware, secure execution

Hardware awareness



Dynamic
Resource
Allocation
(DRA)



Workload-
Aware
Scheduling
(WAS)




Secure isolation



Kata Containers


Agent orchestration

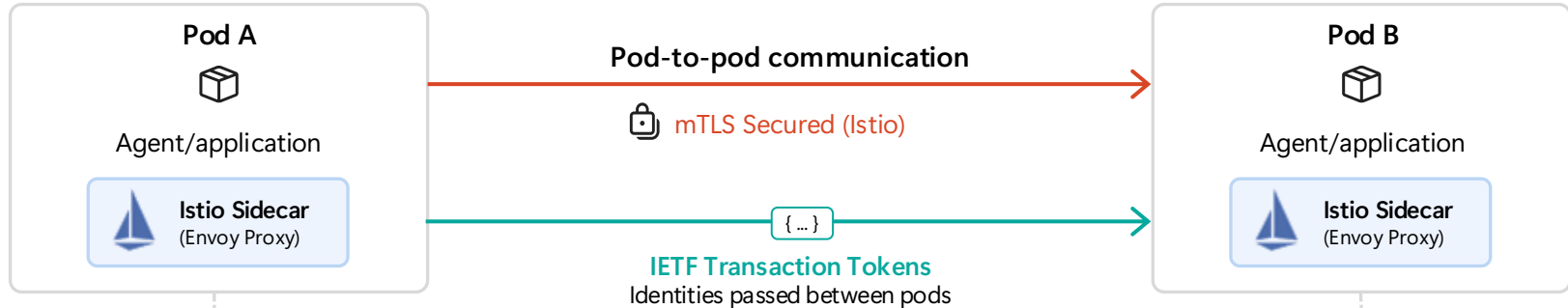
Identity, policy and trust

 **Agent Governance Toolkit (AGT)**
Defines and enforces overall policies for agents, identities, and communications

Overall policy applied



 **Kubernetes Cluster**



Istio Network Policy

Controls and enforces allowed communication patterns between pods

Agent harness

OpenClaw and the agent reference stack

Agent harness

Developer-facing frameworks, protocols, and integrations



Open standard for agent-to-tool communication



Agent Reference Stack for Kubernetes (KARS)

Open source
is the only way this works



Agentic AI
Foundation

Get involved

All open source



Azure Linux

github.com/microsoft/azurelinux



Agent Governance Toolkit

microsoft.github.io/agent-governance-toolkit



KARS

github.com/Azure/kars



Kata Containers

katacontainers.io

The runway is being built right now — let's build it together.

Stop by our booth to see live demos and talk about agents.



MICROSOFT BOOTH

Thank you