ISOVALENT

Cisco Partner
https://cs.co/1page

Isovalent is a cloud-native networking, security, and observability tool that provides solutions for Kubernetes environments enabling network segmentation and visibility into cloud-native traffic flows. Isovalent provides a way to secure and manage network connectivity between containerized applications within a cloud infrastructure.

Benefits:

Benefits of Isovalent Enterprise for Cilium Support:

- Avoid vendor lock-in – Cilium abstracts away the vendor-specific bits of the Kubernetes clusters and simplifies cross-cloud networking and maintenance.
- Reduce the support burden of offering platform features and capabilities to the internal platform consumers.
- Improve compliance with Zero Trust networking for SOC 2 Type II and ISO 27001.
- Scale Kubernetes-based platforms using a performant CNI, across clouds and platforms.

- **Networking & Security:** Cilium and Tetragon with eBPF is the defacto standard for Kubernetes Networking & Security and will be the basis for the future of Cisco Security (e.g., Hypershield)
- **Observability:** Provide application owners and networking teams with deep insights into their workloads
- **Multi/Hybrid Cloud Ready:** Secure and interconnect Kubernetes workloads across public and on-premise environments

Components:

Cilium is a cloud native solution for providing, securing, and observing network connectivity between workloads, fueled by the Kernel technology eBPF.

eBPF is a technology with origins in the Linux kernel that can run sandboxed programs in a privileged context such as the operating system kernel. It is used to safely and efficiently extend the capabilities of the kernel without requiring to change kernel source code or load kernel modules.

Tetragon is a flexible Kubernetes-aware observability and runtime enforcement tool that applies policy and filtering directly with eBPF, allowing for reduced observation overhead, tracking of any process, and real-time enforcement of policies.

Conversation Starters:

- What is your current strategy integrating Kubernetes securely and effectively?
- What has been your experience with troubleshooting in Kubernetes deployments?
- How do you integrate your Kubernetes environment into traditional firewalling concepts?

Enterprise Platform:

Product or add-on	# of Units required per Node for Essentials tier	# of Units required per Node for Advantage tier
Kubernetes Networking	24	48
Add-ons for Kubernetes Networking:		
Data Exposure / Leakage Detection	8	8
Third Party Application Visibility	8	8
Threat Detection	12	12
Compliance Benchmarking	4	4
SaaS Threat Intelligence	12	12
Runtime Security	12	24

FAQs:

Q: What is the difference between Cilium and Isovalent?
A: The Isovalent Enterprise Platform extends Cilium with enterprise features, advanced security, enhanced observability, longer support lifecycles, and integrations with Splunk and Hypershield for comprehensive analytics and policy management.

Q: How does Isovalent reduce costs for enterprises?
A: By consolidating networking, security, and observability into one platform, Isovalent eliminates the need for multiple tools. It optimizes performance, reduces complexity and operational inefficiencies.

Q: How does Isovalent align and integrate with Splunk?
A: Integrate seamlessly with Splunk by exporting observability and security metrics previously inaccessible. Capture details such as network flows, application behavior, and security events, enable monitoring, analysis and response in cloud-native environments.

Resources:

SalesResources	Request Demo	Documents	Sales Help
Features	Isovalent Blog	eBPF Wiki	Video Chanel
Solutions	eBPF Blog	Cilium Wiki	Public page

Example SKU: ***ISOVALENT_SEC_SUB*** | ***ISVT-ENTERPRISE***