

# IMESH ENTERPRISE CILIUM SUPPORT



# Modern Business Needs to be Secure and Resilient

Modern businesses deploy microservices on Kubernetes and cloud platforms, creating the need for simple, secure, and scalable networking. To address this, organizations are adopting Cilium CNI, an eBPF-powered solution that provides native Kubernetes networking, security, and observability.

However, running Cilium CNI in production involves a learning curve and requires expertise in Kubernetes, Linux networking, eBPF, IPAM, and routing models. Without proper design and tuning, teams may face operational complexity and performance challenges.

IMESH provides Cilium CNI production and enterprise support to overcome the operational challenges of deploying and managing Cilium. IMESH offers Cilium expertise and consulting services to accelerate adoption of open-source Cilium in production. Our support and services around Cilium networking, security, and observability free up your resources so you can focus on what matters most to your business. You can partner with IMESH to quickly ensure your Kubernetes networking is resilient, simple, secure, and high-performance.

## Key Benefits

1. Enterprise-grade Cilium performance and reliability
2. Faster Cilium production adoption
3. 24/7/365 expert support mitigates open-source risks
4. Custom feature development and integration

# Why IMESH for Cilium?

## Count on Cilium experts

IMESH specializes in designing, deploying, and operating Cilium CNI for enterprise Kubernetes platforms across multi-cloud and hybrid environments. Regardless of team size, cluster scale, or networking complexity, IMESH's Cilium experts focus on delivering secure, high-performance, eBPF-powered networking at scale. Explore our YouTube channel, where Cilium specialists share deep-dive demos, architecture guidance, and real-world production use cases.



## Chaining and isolated mode



We help you run Cilium CNI in chaining mode with AWS or in isolated mode for full control. Our migration guidance includes rollback and canary options.

Expertise in deploying Cilium chained with AWS VPC CNI.

Full isolated mode for maximum performance and control.

Migration runbooks with rollback and canary testing.

# IMESH Cilium Support and Services

## Security and compliance

We map Cilium policies to standards like SOC2 and ISO. Encryption, egress controls, and audit-ready logs keep clusters secure and compliant.

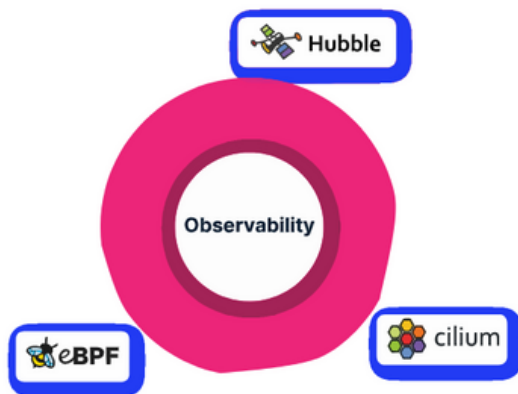
- Golden policies mapped to compliance controls.
- Mutual-auth, encryption, and egress controls.
- Audit-ready logs and evidence trails.



## Observability integration

Hubble integrates with Grafana, Splunk, and other tools for visibility. Alerts and runbooks accelerate troubleshooting and recovery.

- Hubble dashboards are integrated with Prometheus, Grafana, Splunk, or Datadog.
- Alerts and SLO-aware runbooks reduce downtime.
- Traceable changes keep systems stable.

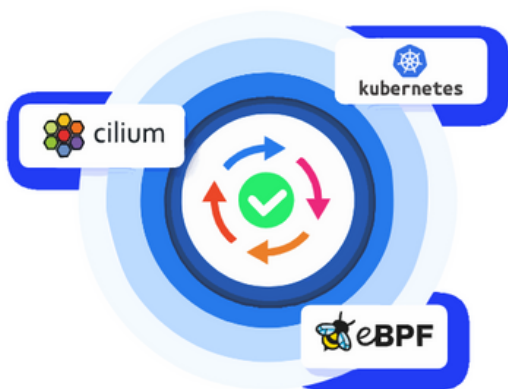


# IMESH Cilium Support and Services

## Performance and scale

We tune Cilium for high-traffic workloads with optimized eBPF maps. Regular scale tests ensure clusters can handle peak demand.

- Node and service-scale patterns for heavy workloads.
- Tuned eBPF maps and connection tracking.
- Regular scale tests before production rollouts.



## Upgrade and lifecycle

We manage safe version upgrades with rollback hooks and CVE patches. Our lifecycle approach aligns with your business change windows.

- Compatibility checks to prevent disruption.
- Staged rollouts with rollback hooks.
- CVE patches delivered with guidance.

Why wait? [Contact us](#) today about Cilium support for your service mesh. Let IMESH help you reduce the complexity of your service mesh while you focus on building innovative solutions in the new tech stack. Our enterprise support can save you a lot of time and effort to secure your modern tech stack network.

## About IMESH

IMESH offers a Kubernetes-native networking and security platform to operate multi-cloud and hybrid Kubernetes environments at scale. The IMESH platform is built on Cilium CNI and eBPF, enabling cloud, platform, and security teams to deliver high-performance networking, zero-trust security, and deep observability for Kubernetes workloads.

Visit: <https://imesh.ai/>  
email: [contact@imesh.ai](mailto:contact@imesh.ai)

