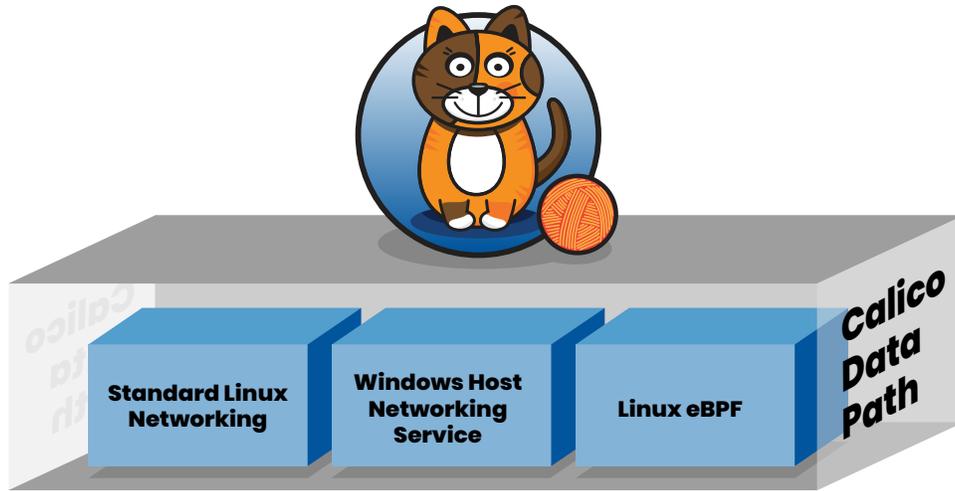


Meet the powerful, versatile Calico eBPF data plane!



Calico Open Source is a networking and security solution for containers, virtual machines, and native host-based workloads. It supports a broad range of platforms including Kubernetes, OpenShift, Docker EE, OpenStack, and bare metal services.

Calico's key capabilities include:

- Choice of data planes including eBPF, Linux, Windows and VPP
- Full Kubernetes network policy support
- Kubernetes-native security policy model
- Best-in-class performance
- Workload interoperability
- Scalable networking
- Encryption

Whether you opt to use Calico's eBPF data plane, Linux's standard networking pipeline, or the Windows data plane, Calico delivers blazing-fast performance with true cloud-native scalability. Calico provides developers and cluster operators with a consistent experience and set of capabilities whether running in public cloud or on-premises, or on a single node or across a multi-thousand node cluster.

The eBPF data plane is one of the four data planes that Calico supports including Linux, Windows and VPP. eBPF enables you to write mini programs that can be attached to various low-level hooks in the Linux kernel for a wide variety of uses, including security, tracing, and networking. Calico is the only container networking and security solution that provides the flexibility of choice to use the right data plane for your environment.

Calico's eBPF and standard Linux data planes:

 [Click here to view a comparison](#)

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In addition to improved throughput and latency, Calico expands the capabilities of eBPF to include:

- **Host protection** - When combined with Calico's automatic host endpoints feature, this offers a robust way to secure Kubernetes pods and hosts together using a unified policy model.
- **Logging and tracing** - Gather information directly from the kernel about what calls are being run and how much time is being spent in them. Use tracing to collect statistics and do deep-dive debugging of the kernel.
- **Traffic control (tc)** - Load balance Kubernetes services, implement network policy, and create a fast path for traffic with established connections. Tc programs can be attached to a given network device at ingress and egress.

Learn More:

About eBPF

[Click here](#)

Calico Enterprise:

Leverage multiple benefits
from the new eBPF data plane

[Click here](#)

Calico eBPF data plane deep-dive

[Click here](#)

About Tigera

Tigera is the industry leader in security and observability for containers, Kubernetes, and cloud, and is the creator and maintainer of Calico Open Source, the most widely used container networking and security solution. Our solutions are used by leading companies, including AT&T, Discover, Merck, ServiceNow, HanseMerkur, RealPage, L3Harris, and Mindbody.

Learn more at www.tigera.io



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