Sophos Cloud Native Firewall

Cloud-Native Network Protection

Our powerful cloud-native firewall (CNF) provides ultra-scalable protection for your public cloud and hybrid networks. Isolate and protect container workloads, Kubernetes pods, and web applications as well as ingress and egress from external networks. Sophos CNF provides a truly modernized cloud firewall solution for all public cloud platforms, managed from Sophos Central.

Cloud-Native

Sophos CNF enables you to secure your networked container workloads hosted in public cloud platforms or on-premises by bundling several cloud-native technologies that are easily deployed and managed from the cloud by Sophos Central.

Fits Your Network

Sophos CNF simply bolts onto your already-running Kubernetes platform. There's no need to deploy virtual machines or re-architecture your network. You simply provide Sophos Central with information about your Kubernetes platforms and the protection you want for your workloads, and Sophos Central will produce a Helm Chart enabling you to deploy CNF like any other micro-service. It automatically scales up and down with each container workload for optimal performance.

Micro-Segmentation

Sophos CNF enables you to create firewall rules based on IP addresses, subnets, namespaces, or Kubernetes identity tags for North-South, East-West traffic inspection and control.

Web Application and API Protection

Powerful WAAP protects your applications by inspecting all web requests and preventing attacks targeted towards the OWASP Top 10 web application security risks.

Intrusion Prevention

Continuously monitor and prevent common network attacks like brute force hacks, network vulnerabilities, viruses, and exploits. Sophos CNF supports our full library of common IPS signatures for North-South, East-West traffic as well.

Admission Control

Select which containers and repositories are permitted to run in production. Leverage our Sophos Cloud Native Security (CNS) suite to run vulnerability scans on container images to enforce your standards and prevent non-compliant containers from compromising your cloud infrastructure.

Highlights

‣ Sophos Central Managed as part of our SASE and Cloud Native Security portfolio

‣ Works on any Kubernetes platform with auto scaling

‣ Supports native Kubernetes or managed Kubernetes services like AWS EKS, Microsoft AKS or Google GKE

‣ Easily deploy to pre-existing Kubernetes deployments

‣ Leverages cloud technologies: Calico, Curiefense, and OPA

‣ Micro-segmentation based on Kubernetes identities, tags, and namespaces

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Sophos Central Management

Sophos Cloud Native Firewall is tightly integrated with the rest of the Sophos Cybersecurity Ecosystem through our unified Sophos Central cloud management console. You have one management console for your entire Zero Trust, SASE, and XDR estate. Sophos CNF also integrates with the rest of our Cloud Native Security portfolio, including Cloud Optix, to provide comprehensive protection for your cloud infrastructure and workloads. And if you don't want to manage it yourself, we can manage it for you with our 24/7 Managed Threat Detection and Response service.

Sophos CNF Features

‣ Full L3/L4 traffic control

‣ Powerful modular protection

‣ Intrusion Prevention (IPS)

‣ Web Application and API Protection (WAAP)

‣ Identity-based policies

‣ Micro-segmentation based on Kubernetes identities, tags, and namespaces

‣ Admission control for container repositories and images

‣ Leverages Calico, Curiefese, and OPA

‣ Easy deployment from Sophos Central with Helm Charts

‣ Managed in Sophos Central alongside your other Sophos products

‣ Integrated support for Sophos Cloud Native Security (CNS)
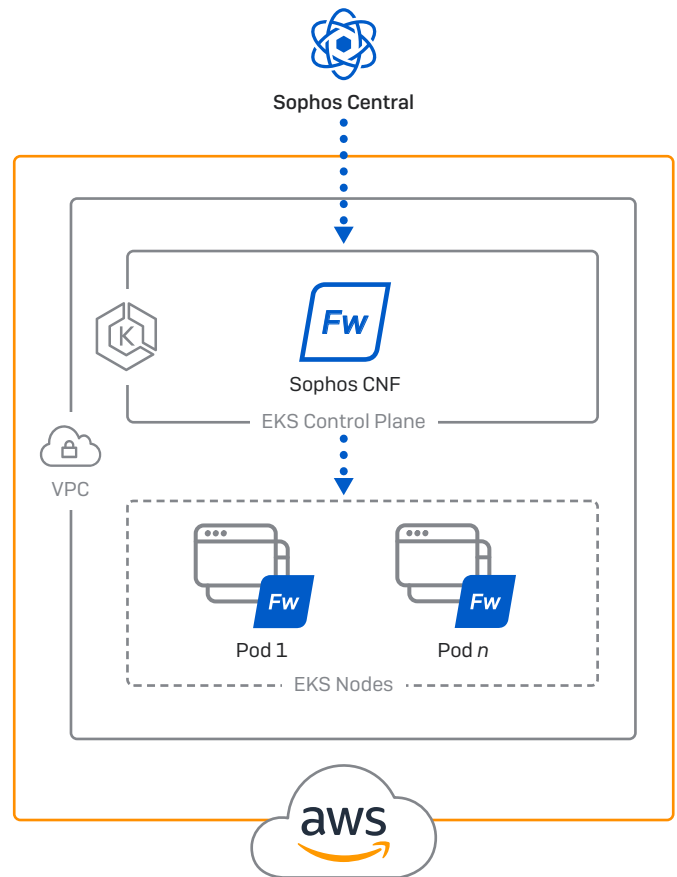
Typical AWS Deployment (Sophos CNF works on any Kubernetes platform - in the cloud or on-premise)

Learn More

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