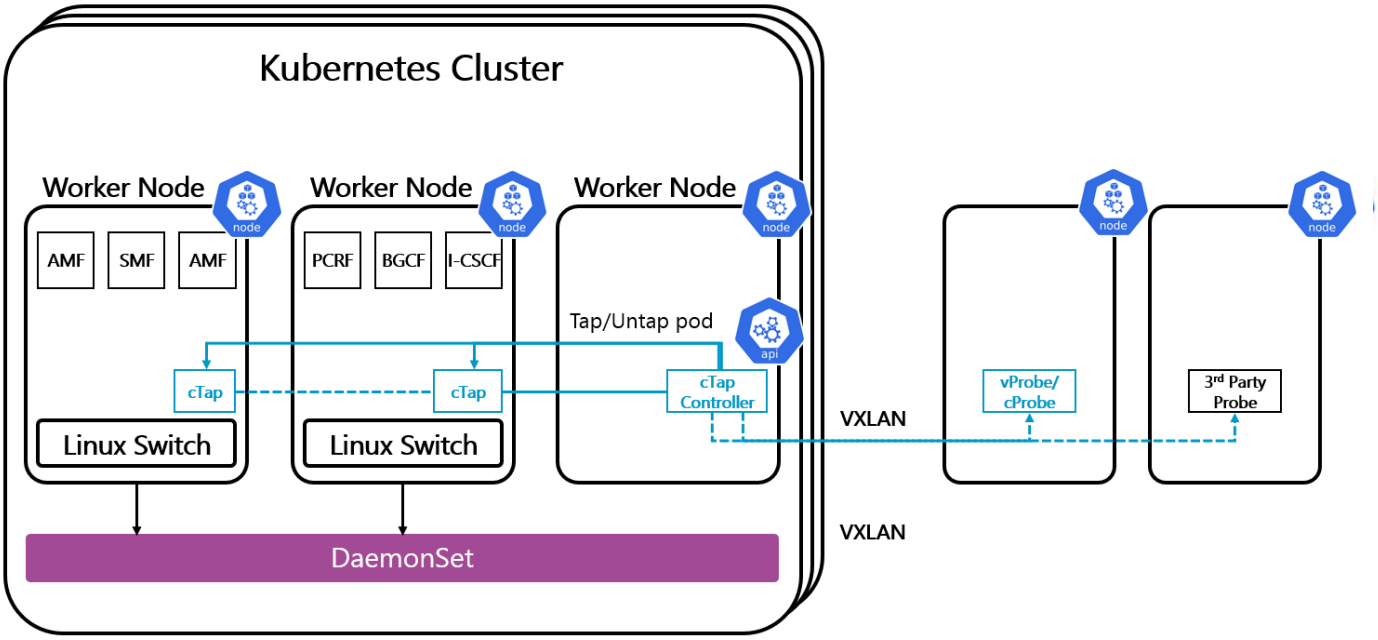
RADCOM Containerized Tap (cTap)

RADCOM's Containerized Tap (cTap) is a patented, automated, and dynamic tapping solution for comprehensive network visibility. It excels in agility, scalability, and resource efficiency. As a fully cloud-native solution, cTap overcomes the constraints of dedicated hardware, enabling dynamic deployment and efficient scaling without requiring modifications to the kernel or network function pods. It can selectively filter out unnecessary traffic from the target pod, forwarding only the required packets to the probe (RADCOM vProbe/cProbe or a third-party probe).



RADCOM cTap can be deployed, controlled, and scaled automatically via Kubernetes' network orchestration integration. It learns the network topology via integration into the Kubernetes API by utilizing RADCOM's controller auto-service discovery via the 5G NRF function. The solution automatically recognizes new network functions and services.

This automation empowers advanced capabilities like on-demand probing so the solution can be rapidly deployed to analyze a specific network area or service on the fly. Moreover, once any service degradations are resolved, the operator can wind down the tapping deployment to free up network resources.

Benefits:

- Enables efficient and scalable tapping solution for 5G SA
- Uses minimal resources for capturing and forwarding packets in the kernel space
- Offers host-based and pod-based mirroring
- Provides optional eBPF-based filtering
- Automates tapping via integration in Kubernetes' network orchestration

RADCOM (Nasdaq: RDCM) delivers real-time network analysis, troubleshooting, and AI-driven insights to ensure a superior customer experience. Utilizing cutting-edge technologies for over 30 years, we provide dynamic service assurance through the following solutions, including: RADCOM Customer Experience, RADCOM Network Performance, RADCOM Operational Efficiencies, RADCOM Network Troubleshooting, RADCOM Revenue Generation, RADCOM Service Quality and RADCOM Network Tapping.

For more information visit: https://radcom.com/