

Enea NFV Core NFV Platform for Edge Cloud Deployment

The NFV revolution drastically changes the way to build and think of telecom networks. It transforms how to do business and provide services to end users. For network operators it brings a promise of flexibility, cost reductions, and higher innovation pace. But to take real advantage of NFV and enjoy its benefits, hardened solutions paired with real vendor and hardware independence is needed. Commercial solutions that minimize your risk and provide a consolidated ecosystem.

After more than 30 years as a provider of best-in-class software solutions to the telecom industry, Enea has gained a strong expertise and legacy in the access network outside the datacenter. Through constant innovation, Enea has continuously pushed the evolution of platform software for the telecom industry. Today Enea is enabling the transition from physical to virtualized network functions.

ENGINEERED FOR THE EDGE

Enea NFV Core is a carrier-grade virtualization software platform built on OPNFV and OpenStack and compatible with the ETSI architecture. It is integrated, extended, optimized and validated. The result is an extremely reliable NFV platform engineered for edge use cases, providing the performance, completeness and security required for deployment in mission-critical commercial environments.

By extending an open source base, Enea provides valuable functionality while ensuring an open, flexible and future-proofed solution.

HIGHLIGHTS

- Deployment ready through integration, configuration and hardening
- OPNFV based with pre-integrated SDN controller and extensive testing
- Integrating OpenStack
- Out-of-the box support for ARM and x86
- Optimized KVM for reduced latency and jitter and maximized network throughput performance
- Optimized data plane communication for maximized network throughput including an accelerated vSwitch
- Highly available compute and controller nodes

COMMERCIAL PLATFORM READY FOR DEPLOYMENT

Enea NFV Core offer a range of benefits including:

Deployment Ready

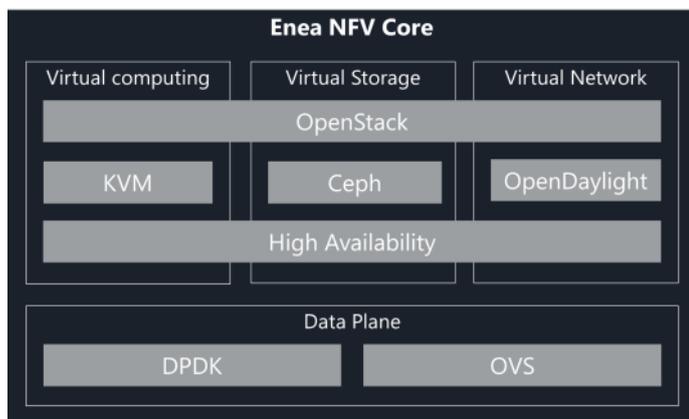
Enea NFV Core is ready for deployment in commercially operated networks. It is already configured, integrated, optimized, enhanced, and validated to offer a turnkey solution platform with the performance, reliability and functionality required for telecom. Its commercial readiness reduces risk, shortens time-to-market, and provides enhanced capabilities and performance, compared to what is available directly from the open source community.

Hardware Independent

Enea NFV Core is vendor agnostic, allowing full decoupling from hardware. Out-of-the-box it runs on cost efficient ARM and x86 based COTS hardware, adding to its scalability and adaptability for various use cases.

High Performance

Highly optimized virtual networking performance provide reduced latency, higher throughput and lower processing overhead, allowing higher compute density. Enea NFV Core maintains performance when functionality moves from



application specific hardware to software on standard hardware, allowing better decoupling between software and hardware.

Allowing Interoperability

Interoperability requires a standardized interface that clearly decouples software and hardware. Enea NFV Core complies with widely accepted open standards including ETSI NFV and OPNFV while being 100% hardware agnostic. Our approach is to provide multi-vendor multi-architecture software platforms for maximum flexibility and vendor independence.

Improved Resilience and Availability

Enea NFV Core is designed to secure mission-critical availability and reliability for telecom use. Through industry leading high availability, extending OPNFV to a feature complete OPNFV Doctor implementation, it improves resilience.

Integration Capability

The ability to mix and match NFV components with little or no integration requires open standards. Enea NFV Core is based on OPNFV and OpenStack, and is compliant with ETSI NFV. These are de facto standards for telecom NFV, which ensures seamless integration with standard hardware, VNFs and third party NFV software. Enea also has a large global services organization to cover any gaps between standards and operators' environments.

ENEA NFV SERVICES

Through our services, we share our networking and NFV knowledge to help our clients speed up development, reduce project risks, and ultimately, get a better product to market faster. We provide services for proof-of-concepts in lab environments, and rollouts and deployment in operational environments.