

Nexign Network Monetization Suite

Nexign Network Monetization Suite supports creation of new revenue streams, improves customer experience, and reduces total cost of ownership through exceptional performance along with configurable and flexible integration capabilities.



Nexign Network Monetization Suite

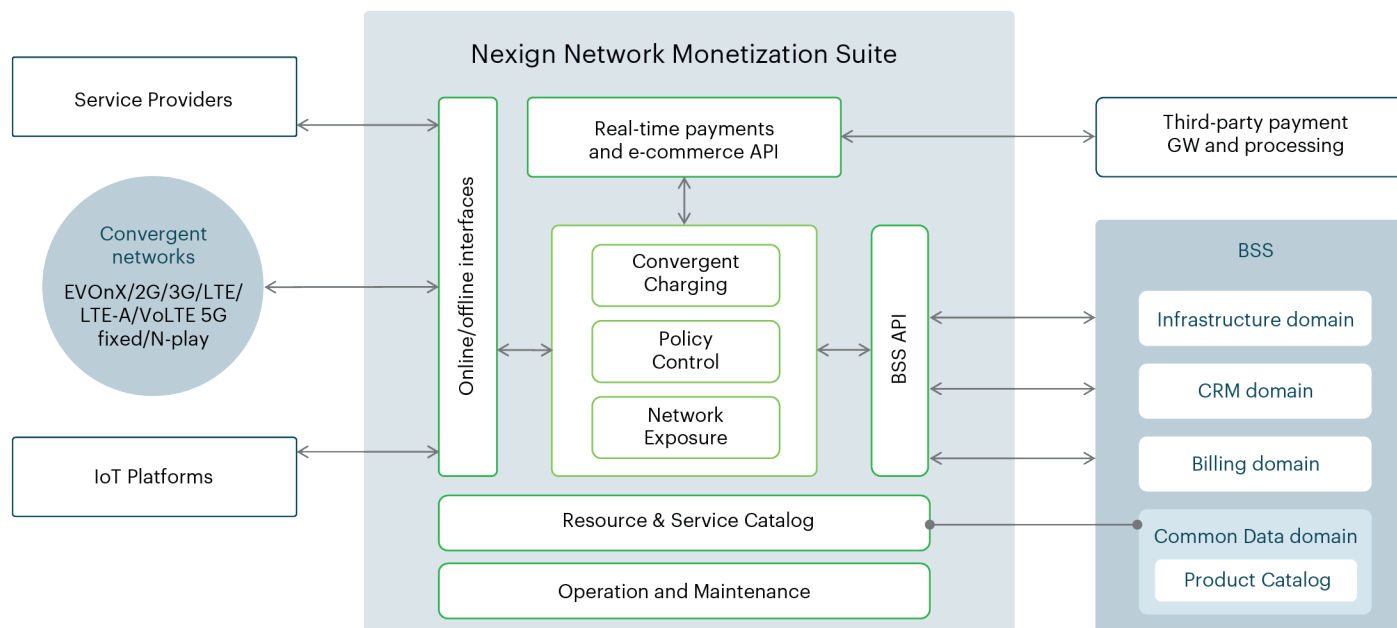
The advantages of Nexign Network Monetization Suite go beyond the classic convergent charging and policy control. The Suite enables monetization of converged services for prepaid and postpaid customers and for both B2C and B2B offerings. It is cloud-ready and compatible with 5G and the Internet of Things (IoT) applications. The Suite also enables direct integration with partners to create an ecosystem that will lay the foundations for operators to become digital service providers (DSPs).

Nexign Convergent Charging System has a real-time core delivering ultimate performance and mature functionality. Fully catalog-driven, the Online Charging System (OCS) supports flexible rating along with charging and balance management functions to shape any digital product. Millisecond-class response times for reauthorization enable the OCS to rapidly react to any challenges in the DSP's network including those of 5G and IoT.

Nexign Policy Control products take pride of place in a modern DSP network. They define charging policy, control all the rules for each subscriber session in real-time, and set quality of service (QoS) parameters and corresponding policy. The products can also operate as VNF in a telco cloud environment.

Network Exposure functionality opens up monetization for innovative partner use cases.

Nexign Network Monetization Suite Architecture



Functions



Convergent Charging System (PCRF)
mobile network
policy control



Policy and Charging Rules Function (OCS)
real-time charging and balance management



Authentication, Authorization, and Accounting (AAA)
QoS management in fixed and broadband networks



User Data Repository (UDR)
3GPP module with user data, policy and service attributes storage function



RAN Congestion Awareness Function (RCAF)
3GPP network function providing the PCRF with the RAN user plane congestion status



Service Capability Exposure Function (SCEF)
information about service capability and available network resources



Diameter Routing Agent (DRA/SCP)
control plane router for Diameter and 5G SBA interfaces

Business Benefits

Create new monetization streams:

- Direct integration with ASP and OTT services without DPI solutions
- Use of customer accounts with e-commerce systems and banks
- Network exposure monetization with IoT application service providers

Improve customer experience:

- Building a partner ecosystem in new monetization channels helps to develop customer loyalty
- Congestion prevention algorithm and dynamic QoS management improves customer satisfaction
- High reliability reduces customer churn

Optimize total cost of ownership:

- Ultra-high software performance significantly reduces hardware costs
- High reliability makes operation and maintenance transparent and safe, enabling business continuity
- Non-IP Data Delivery and other features enable efficient IoT communication

Reduce time-to-market:

- Catalog-driven architecture reduces time-to-market for new services from weeks to days
- Cloud-ready architecture reduces time-to-market for hardware resources extension

Why Nexign Network Monetization Suite?



Enhanced creation of new revenue streams and business models



Support for partner ecosystems through 3GPP, TM Forum and other industry standards compliance



Reduced total cost of ownership through performance optimization without having to pay third-party licenses



Decades of use by Tier 1 operators

Business Use Cases

Direct integration with ASP

The solution provides application programming interfaces (APIs) for direct integration with partner application service providers (ASPs) and IoT platforms. Also, the Suite dramatically decreases traffic management requirements and costs related to high-load partner applications.

- Secure single point of integration with ASPs, OTTs, and IoT platforms dramatically reduces TTM.
- New revenue streams from ASPs as a result of monetizing QoS on the CSP's infrastructure and sponsored data capabilities.

Network Data Analytics

Nexign Network Monetization Suite supports new business models by promoting the development of shared networks, 5G slicing, and optimization of network investments. The new Network

Data Analytics functionality revolutionizes DSP effectiveness. Network capacity improvement, mission- and business-critical services support, improved subscriber UX — Nexign AI-driven engine opens up a world of opportunities.

Smooth 5G rollout

The suite provides a convergent solution to manage charging and policy control for 2G-5G as well as other cable and wireless networks. The reliable scalable solution embraces the approach of virtualization, stateless operation, network slicing support and service-based architecture to smoothly lead the CSP into the new generation networks rollout.

The CSPs starting the 5G NSA trials benefit from the cutting-edge monetization use cases enabling gradual upgrade to full-scale 5G.