



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



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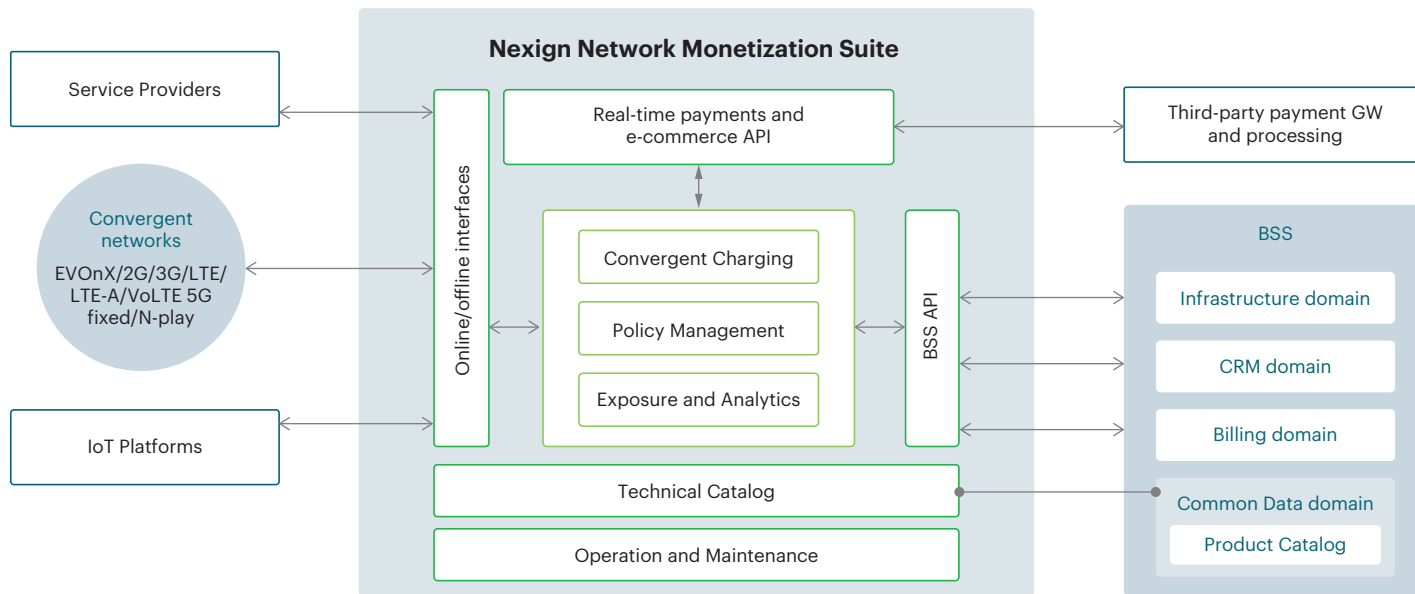
The advantages of Nexign Network Monetization Suite go beyond the traditional convergent charging and policy control. The Suite enables monetization of converged services for prepaid and postpaid customers and for both B2C and B2B offerings. It is cloud-ready and compatible with 5G and the Internet of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

Network Exposure and Analytics functionality opens up monetization for innovative partner use cases, congestion management and more.

Nexign Network Monetization Suite Architecture



Functions



Convergent Charging System (OCS)

real-time charging and balance management



Policy and Charging Rules Function (PCRF)

mobile network policy control



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 application service providers and over-the-top services
- 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 compliance with 3GPP, TM Forum and other industry standards



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, bringing the following benefits:

- Dramatically decreased traffic management requirements and costs related to high-load partner applications
- Reduced time to market through a secure single point of integration with ASPs, OTTs, and IoT platforms
- New revenue streams through monetization of QoS management and sponsored traffic

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. Nexign AI-driven engine reveals new opportunities:

- Network capacity improvement
- Support for mission- and business-critical services
- Enhanced customer experience

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 next-generation network rollout.

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