Digital BSS/OSS

Challenges
Accelerating Digital Service Innovation

Success in the digital economy requires greater business agility, continuous operational improvements and optimization, and the ability to innovate much faster in a dynamic market. Migrating BSS/OSS solutions to cloud helps Communications Service Providers (CSPs) to gain and retain a competitive advantage by unlocking the full potential of cloud agility and economics. CSPs can become industry disruptors with future-proofed functional capabilities, digital operations and lower TCO to access new markets, guarantee carrier-grade quality and meet strict security and privacy requirements.

The Netcracker Solution
Full Stack Cloud-Native BSS/OSS

Netcracker Digital BSS/OSS is a SaaS-based, cloud-native solution with evergreen updates that runs in the AWS cloud environment. Netcracker solution supports end-to-end, lead-to-cash business processes for CSPs and allows service providers to develop their own enhancements or co-develop functions through a low-code platform. With continuous short releases using Agile/DevOps processes, CSPs gain faster access to innovative features without disrupting business operations. Netcracker offers a wide range of cloud migration consulting and managed services to support different CSP cloud migration strategies. We also provide additional flexibility by enabling CSPs to delegate responsibility for software and infrastructure to Netcracker and AWS.

Benefits

Transform customer experience, maximize 5G potential and adopt new business models.

Deliver Digital Customer Experience
Increase customer lifetime value by providing omnichannel experience and AI-driven personalized content and offerings.

Discover New Revenue
Generate new revenue streams with support for multi-partner business models, complex B2B2X settlements and innovative 5G monetization.

Enable B2B2X Business Model
Innovate and expand across industry verticals by efficiently managing the growth of your partner ecosystem.

Provide End-to-End Automation
Bring new levels of automation and agility by delivering on-demand digital services with optimal performance, security and cost.

Netcracker Digital BSS/OSS on AWS

With Netcracker's full stack Digital BSS/OSS on AWS, CSPs can benefit from digital innovation, highest performance and lowest TCO with carrier-grade security compliance. We help CSPs to accelerate their digital transformations with rapid deployment, continuous feature innovation and zero downtime upgrades. Netcracker leverages the power of AWS services and tools to ensure the highest performance is achieved for the most demanding and resource consuming BSS/OSS processes based on rigorous testing, end-to-end monitoring and automated operations. Joint global expertise by AWS and Netcracker brings with it best practices to enable industry leading agility and TCO.

Features

Faster Time to Value

Running Netcracker's cloud-native BSS/OSS on AWS enables significant time and costs savings by accelerating infrastructure procurement and setup processes with easy access to different testing and production environments, a common set of operational tools, on-demand scaling and simpler disaster recovery. Netcracker's inherent support of evergreen, blue-green and canary deployment schemas offers additional flexibility and simplifies change management.

Hybrid-Cloud Deployment from Core to Edge

Netcracker's software can be deployed in different AWS clouds, enabling CSPs to benefit from a hybrid-cloud strategy, as well as ensure compliance with limitations related to sensitive data. For example, Netcracker's Convergent Charging System (CCS) supports distributed deployment to place latency-critical functions, such as 5G real-time service charging, in AWS Outposts, while other CCS functions are deployed in AWS Region or Local Zone. In addition, Netcracker's Service Orchestration intelligently places network workloads across the hybrid cloud environment.

Case Study: Andorra Telecom

Challenges

Quad-play provider Andorra Telecom, decided to move to Netcracker's full-stack SaaS-based Digital BSS/OSS solution to reduce operational expenses and leverage innovative new IT technologies and methodologies such as Agile and DevOps.

Solution

Netcracker's SaaS solution on AWS gives the opportunity to explore the power of cloud economics, including end-to-end automation, multitenancy, on-demand scaling, resiliency, continuous upgradeability, deployment flexibility and modularity.

Results

Andorra Telecom gains significant benefits, including reduced IT complexity, enhanced operational and business agility, cost efficiency and the ability to monetize new revenue streams by bringing advanced digital services to the B2C and B2B markets.

Get started with Netcracker solutions on AWS

https://www.netcracker.com/portfolio/products/