



Managed Service Provider Networks

Overview

Managed Service Provider Networks provides a holistic cloud operations model combining the latest technologies in networking (segment routing and path compute engine), telco cloud (compute and open-stack Cisco® Virtualized Infrastructure Manager) and virtual mobile packet core applications for 4G and 5G. This accelerates service providers' go-to-market models with Cisco's engineering knowledge and experience and reduces subscriber churn with a first-class end-user experience.

Technologies

- Cisco Virtual Infrastructure Manager and OpenStack NFV Infrastructure
- Cisco Network Services Orchestration automation
- Cisco Application Centric Infrastructure software-defined networking
- Cisco industry-proven Mobile Packet Core virtual networking function applications

Benefits

- Single technology stack (network, compute, application) provides seamless operations
- Larger networks at lower cost per node with software-defined network scaling
- 24x7x365 expert-managed operations increases service quality, reliability, security, and compliance
- Network operations centers across the globe for highest performance and availability
- Automation accelerates mobile cloud affordability
- Third-party vendors supported

Customer success story

Service Provider with hundreds of millions of subscribers

Customer challenges

- Bridge the technology gap in months instead of years
- Provide a high-quality user experience
- Reduce subscriber churn

Cisco Services solution

- Implement Cisco's Mobile Telco Cloud infrastructure
- Move to Cisco Managed Services for mobile cloud and applications
- Operation of 5G-ready telco cloud model

Business outcomes

- Gained market leading position
- Fast-time-to-market of new services in 6 months
- 99.99% availability
- 10% reduced customer churn

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Why Cisco

- Cisco is the market-leading provider of collaboration technologies and solutions
- 97% positive customer satisfaction
- Over 90% of incidents are detected and resolved proactively

Next steps

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