Luxoft

A DXC Technology Company

Creating cloud and networking solutions for software-defined organizations

Luxoft helps customers build, enhance, validate, deploy and maintain networking and cloud solutions tailored to their clients' needs using domain experts and SDLC best practices, as well as efficient, incremental delivery via scaled Agile and DevOps methodology, tools and processes.

Luxoft cloud networking capabilities

Offering

Embedded platforms	Service and network management	Management and orchestration	Unified communications	Software defined connectivity
Hardware and virtual appliances with cloud-based management	Fulfillment and assurance automation for cloud and on-premise environments	LAN/WAN connectivity and NOS exposure	Cloud-based platforms for unified communication and collaboration	LAN/WAN connectivity and NOS exposure

Capabilities and expertise

Platform software and tools
- OS and apps
- Protocol stacks
- Real time, carrier grade

FCAPS support
- Platform mgmt and monitoring
- System instrumentation / implementation

Multimedia systems
- VoIP, SIP, mediation
- Cloud native apps

Network
- Fabric and NOS
- SD-WAN
- Simulation and validation

ASIC integration
- ASIC/MCU/MPU API and drivers
- Kernel modules, HW DP protocols

Data center service automation
- Operationally efficient support systems and automation

Service assurance and fulfillment
- Telco grade, highly programmable management and orchestration solutions

Test, validation and tools
- Test and automation frameworks
- 3rd party test integration
- CI/CD infrastructure and automation
- Virtualized test environments

Management and support functions
- OSS/BSS integration
- Predictive maintenance

Embedded platforms

- Luxoft embedded platform solutions utilize deep technology expertise in embedded software and full-spectrum services to provide:
  - Single board to ATCA chassis
  - ASIC development (Broadcom, Marvell)
  - Real-time and carrier-grade OS (Linux, VxWorks)
  - BSP and kernel modules
  - Protocol stack and service-level application development and integration
  - Drivers for security provisioning of chips with various security architectures
- Cost-efficient, multi-geography scaled, all-role staffing for all-phase product lifecycle managed services

Service and network management

- Our service and network management solutions leverage extensive expertise in building service and network management software, state-of-the-art standards in automation, service assurance and fulfillment, data management and artificial intelligence that can help our customers:
  - Deliver end-to-end (E2E) management and monitoring solutions for IT and Telco environments in time and in budget
  - Reduce TCO through providing fully automated operations and low-code/no-code provisioning, integrating state-of-the-art management and orchestration solutions
  - Improve proactiveness and client satisfaction through AI-/ML-based maintenance services

Cloud / data center management and orchestration

- Our expertise is in cloud infrastructure, application and services development, and integration as well as modern automation techniques, modern management and orchestration standards applicable to any type of virtual resources that can help our customers design production and solutions utilizing cloud, virtualization, data center and state-of-the-art orchestration technologies:
  - Build cost-effective solutions by employing flexible consumption models in cloud and data centers alike
  - Deliver operationally efficient support systems, automated, highly programmable, using next generation, Telco-grade management and orchestration
  - Reduce time to market by using accelerators and DevOps expertise

Unified communications

- Our technology expertise in unified communications (UC) services enables customers to deliver new or upgraded UC solutions to their customers and can help enterprises customize their UC solution to specific needs. Our expertise includes:
  - Voice infrastructure, IP telephony, protocols, encodings (ITU G/T)
  - Signaling and transport (SIP/Trunking, H323, H248, SBC, RTP/SRTP)
  - Mediation layers: IMS, MGW
- Cloud-native applications with microservices architecture (virtual PBXs, CCaaS, etc.)
  - Web-based multimedia encapsulation

Software-defined connectivity services

- We can help our customers adopt or enhance software-defined connectivity technology expertise for E2E services:
  - Build and deploy flexible, time- and cost-effective applications and services spanning any cloud, data center or on-premises resources using Telco-grade, secure and dynamic connectivity solutions
  - Reduce TCO through automation and cloud-based integrated monitoring and management applications/platforms
  - Build/enhance/integrate software solutions for on-demand connectivity based on existing platforms and equipment
  - Reduce time to market by using accelerators and DevOps expertise
- Transform and transition from on-premises solutions to containerized and cloud environments using cloud-native applications with microservices architecture

Contact us to find out more:

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