

Realizing differentiated connectivity service offerings

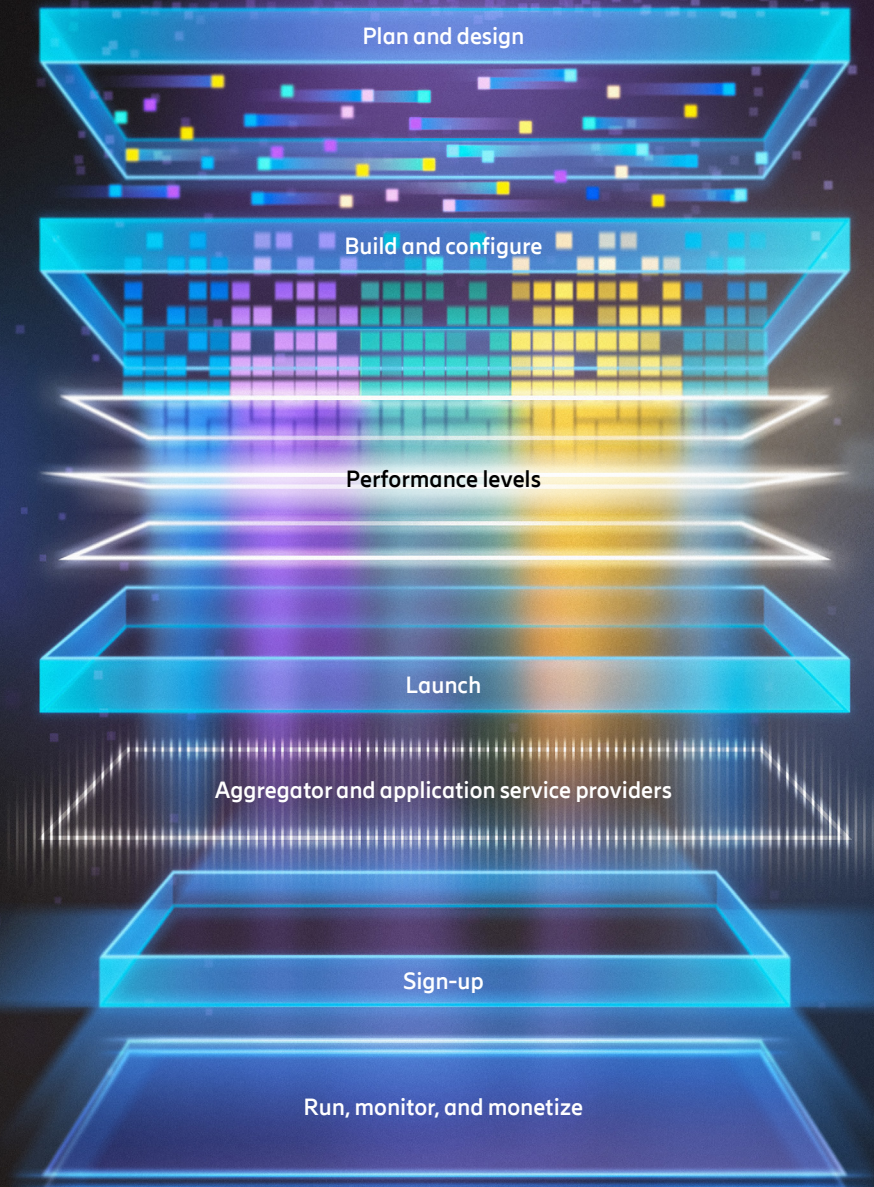
Identify the business needs and connectivity requirements through market research and collaboration. Design the network to meet them through market understanding and service targets.

Boost and configure the network infrastructure to meet required service specifications through performance levels and enable APIs.

Go to market through direct subscriptions and/or pay-per-use models through applications using APIs.

Users sign up for the services via direct subscription, or indirectly via application service providers (ASPs).

Ensure distinct traffic goes through the right performance levels and that target service KPIs are fulfilled.



Essential differentiated connectivity network capabilities

End-to-end network capabilities:

- Network slicing support
- User-equipment route selection policy (URSP)
- Network-initiated quality of service (NI-QoS)
- Low latency, low loss and scalable throughput (L4S)

Domain-specific capabilities:

Radio access network (RAN)

- Slicing and quality of service (QoS) framework
- Advanced scheduling
- Advanced traffic steering and mobility

- High load handling
- Enhanced observability
- RAN intent management

Transport

- QoS management features (such as H-QoS)
- Software-defined network (SDN) management and orchestration

Core network

- Network slicing data and session management functions (AMF, SMF, UPF, NSSF, PCF and UDR)
- URSP rules
- Policy control functions
- NI-QoS related packet filter

Operations and business support systems (OSS/BSS)

- Monitoring capabilities
- Multi-domain service orchestration and assurance
- Service commercialization, charging, and billing
- Intent management and AI-based automation

Service exposure

- Exposure functionality, including underlying network support
- CAMARA APIs