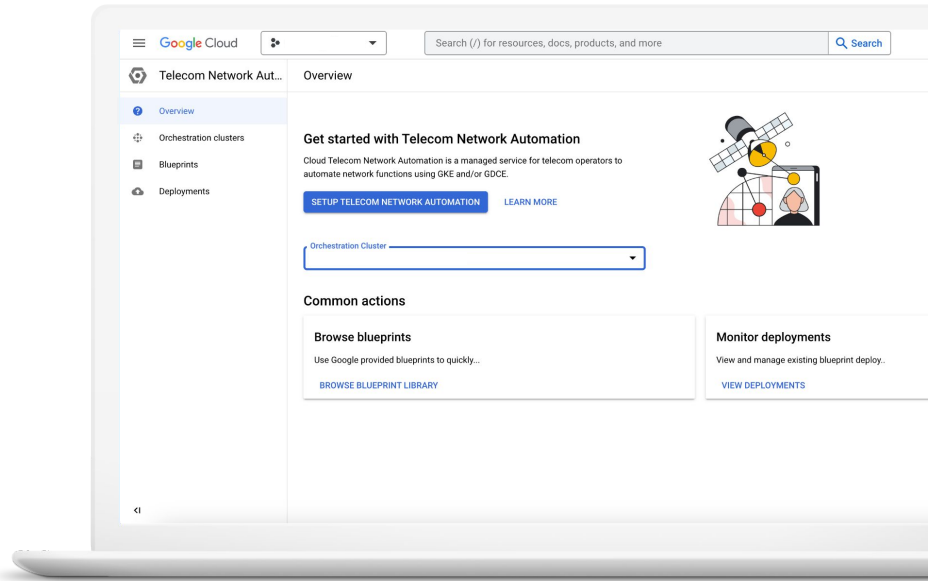


Modernize Telecom network deployment and operations with Telecom Network Automation

Building and managing scalable Telecom networks can be complex, with traditional automation systems often creating additional challenges.

Google Cloud's Telecom Network Automation provides intent-driven automation for Telecom networks based on the Nephio open-source project and Kubernetes. It delivers simple, multi-domain and carrier-grade automation - accelerating the deployment and operations of cloud infrastructure and network functions.



Simplify operations with intent-based, declarative configurations

Declare an intent and let the system organize itself to deliver and maintain it.

Control that the declared intent matches the runtime environment effortlessly and continuously.

Deliver zero-touch provisioning of cloud infrastructure and network functions.

Maximize the power of Kubernetes

Utilize consistent Kubernetes operations at scale with built-in configuration.

Extend the Kubernetes Resource Model (KRM) across Telecom domains from RAN to Core to Transport.

Enable uniform automation frameworks across the network stack from infrastructure to network functions.

Achieve easy management and interoperability

Leverage a single source of configuration "truth" with integrated GitOps for manageability.

Use open source Nephio standard automation artifacts (CRDs/operators) to ease interoperability.

Deploy networks at speed and manage Day 0, 1 and 2 using a single cloud-based pane of glass.

Telecom Network Automation delivers an open source and extensible automation platform - unlocking full operational benefits of the cloud for the Telecom networks.



For more information, please visit cloud.google.com/telecom-network-automation