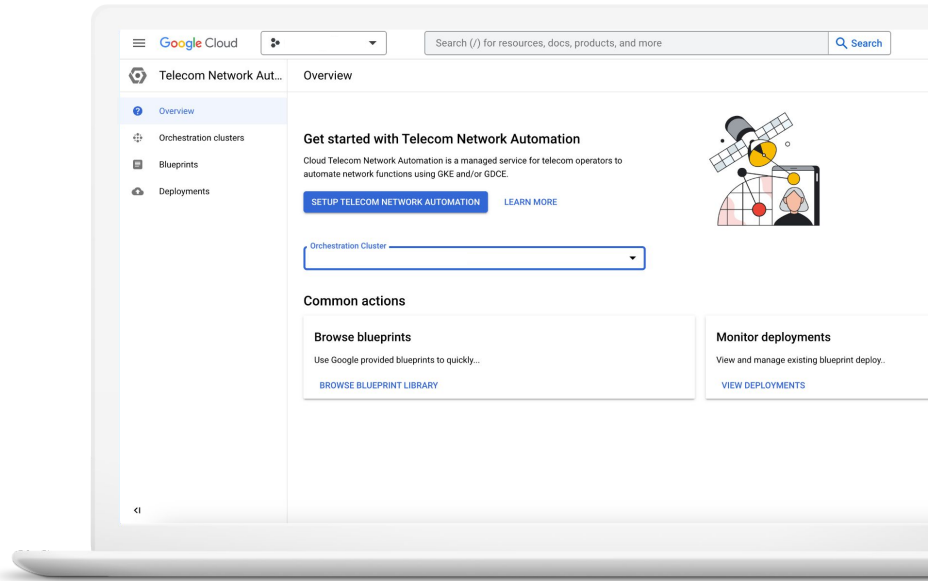


# Modernize Telecom network deployment and operations with Telecom Network Automation

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](https://cloud.google.com/telecom-network-automation)