

HCL

HCL Augmented Network Automation (ANA) Platform

Optimize 4G and 5G networks with
HCL ANA on AWS platform



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Introduction

HCL Augmented Network Automation (ANA) platform, built upon the foundation of Cisco SON, is a next-generation SON platform. It enables communications services providers (CSPs) to simplify network management complexity with a closed-loop network automation environment that supports multi-vendor, multi-technology deployments. The ANA platform collects and processes vast amounts of data in real-time from all network domains (radio to transport to the core) to automatically predict, configure, and optimize multi-domain networks with self-healing techniques.

HCL ANA on AWS platform creates a scalable and intelligent solution that can be quickly deployed and overlaid with all the required automation for the mobile network operators (MNO) and private cellular networks. The platform supports the O-RAN multi-vendor model and meets the speed and slicing of 5G technology.

Features



Optimize cellular network performance: Automatically predicts, configures, and optimizes cellular network with improved network management leveraging AI, self-healing, and reinforced learning techniques.



Scalability and flexibility: Easily scale 5G networks with a cloud-based platform that enables flexible deployments (on-premises, hybrid, and public cloud).



Multi-vendor environment: Multi-vendor support enables the service providers to leverage one automation platform to manage existing and new cellular vendors, thereby improving network efficiency and significantly reducing costs.



Open platform for innovation: The open platform supports ORAN and enables service providers and partners to develop and quickly deploy custom SONFLEX applications to the cellular network.

Benefits



Closed loop
24/7 automation
with minimal
human
intervention



User-friendly
management
console and
analytics



Unified
management and
orchestration of
the apps
including conflict
resolution



5G network
slicing to optimize
subscriber quality
of experience



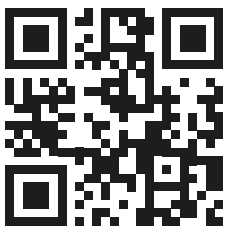
Multi-vendor,
multi-technology,
and supports
ORAN



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