CYIENT | Nothing Less

Configuration Management Reader rApp



Cyient Configuration Management Reader (CM Reader)

Configuration Management Reader gives teams a clear, trusted view of live configuration data to speed decisions, reduce troubleshooting effort, and improve service confidence across complex networks.

Modern RAN operations depend on accurate configuration context across multi-vendor and multi-technology networks. When teams cannot quickly confirm the live state of a parameter, troubleshooting slows, decisions become less certain, and service risks can remain hidden. Operations leaders need reliable information that is easy to access, understand, and share across engineering and assurance teams. Configuration Management Reader provides a trusted view of network configuration, helping teams identify facts faster, reduce investigation effort, and act with confidence. Its read-only design delivers dependable insight without introducing write risk or disrupting live network services for faster resolution and more confident decisions every day.

The Ericsson Intelligent Automation Platform (EIAP) provides Service Management and Orchestration (SMO) for Open RAN and further enhances openness, network management, and automation by supporting multi-vendor and multi-technology RAN environments.

EIAP is supported by open interfaces and the industry's leading Software Development Kit (SDK) to enable an ecosystem of developers with all the capabilities needed to innovate, build, validate, share and operate rApps.





Cyient Configuration Management Reader rApp solution description

Configuration Management Reader transforms configuration data into practical operational insight. Teams submit a request for the resources and attributes they need, and the rApp returns a clear view of current network values. It confirms the requested information, connects it to the correct network context, and presents the result through an accessible API. This gives operations, engineering, and assurance teams a consistent source of truth for troubleshooting, service reviews, and network decisions. By combining trusted data with a read-only operating model, the solution improves speed, confidence, and transparency across everyday RAN operations, diverse operating environments, and demanding customer service situations today.

Functional workflow

1 Connect
Business teams and rApps

2 Request
Ask for the insight you need

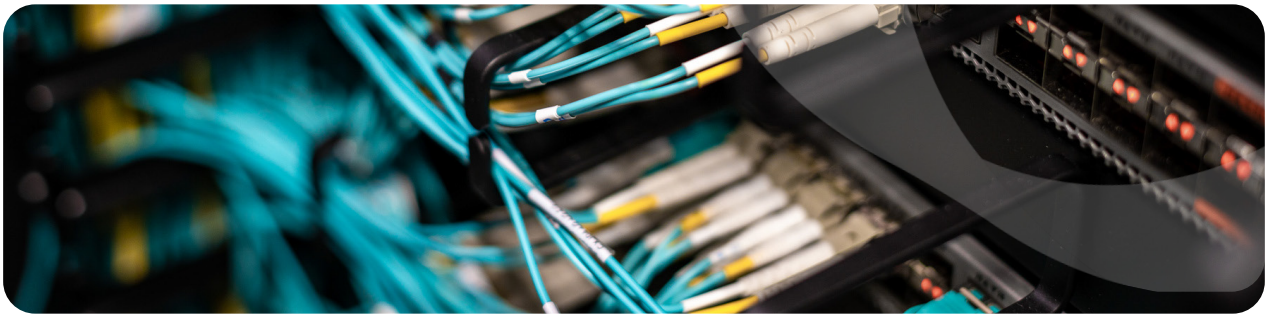
3 Validate
Validated network context

4 Act
Faster operational decisions

Read-only by design: dependable visibility without changing the live network.

Read the right configuration, with confidence

Configuration Management Reader turns network configuration into clear, trusted insight for the teams that keep services moving. With simple read-only experience, operations, engineering, and assurance teams can quickly confirm what is active, understand the right network context, and move forward with confidence. The solution creates a consistent view of current configuration across technologies and vendors, helping reduce investigation time, accelerate issue resolution, and support better customer outcomes. By making reliable information easier to access and share, it strengthens everyday decisions without changing the live network.



Configuration Management Reader rApp characteristics

Functional workflow

1. Request POST / CM Read
2. Validate CM model rules
3. Resolve topology identity
4. Read NCMP values
5. Return CM read response

Key features

Safe by design
Read-only mode avoids writes, activation, and job risks.

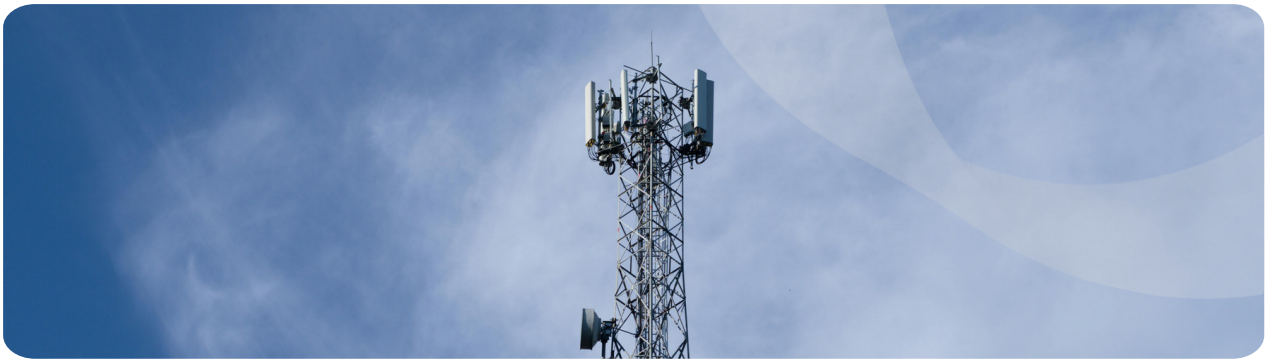
Trusted answers
Static and topology-aware validation prevent invalid reads.

Multi-technology reach
Support for 5G and generic 4G resource resolution.

Operational visibility
Health checks, metrics, and OpenAPI docs support deployment.

rApp characteristics

Vendors	Ericsson, Nokia
RAN technology	4G / 5G
RAN infrastructure	O-RAN / Cloud RAN
Category	Automation & AI foundation



Make configuration state visible, trusted, and actionable.

Empower your teams with dependable, read-only configuration insight that shortens investigation, protects live services, and supports confident decisions every day. Let's start the conversation.

Cyient is a global lifecycle engineering services company powering mission-critical industries from design to aftermarket across products, plants, and networks. With 300+ customers and 15,000+ associates across 30+ countries, we combine human expertise, deep domain knowledge, and AI to deliver intelligent engineering for every lifecycle across Aerospace and Rail, Automotive and Mobility, Connectivity, Energy, Healthcare, Mining, Utilities, and beyond.

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