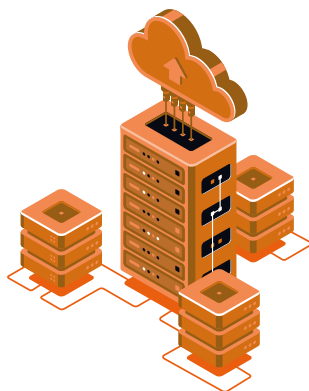# INNSPECT

INNSPECT Network Fault Management

CSPs Can Benefit from *INNSPECT* - Comprehensive Mobile Telecom Fault Management

Innovile's *INNSPECT*- Mobile Telekom Network FaultManagement includes novel features that detect, alert, and respond to faults as they occur. It does things differently by receiving, displaying, and tracking alarms through its unified event processing path built into its proprietary correlation engine. This way, engineers can find critical faults in no time and repair them first.

In addition, it enables you to rapidly isolate and resolve critical alarms and conduct automated root-cause analysis. It also generates automatic rules to identify and solve repetitive alarms with a known cause.

Features of the *INNSPECT* System

Machine Learning for Root Cause Analysis

INNSPECT collects fault data from sources such as your legacy fault management systems, network elements, and centralized data lakes. It then transmits this data in real-time to the alarm management system. The network fault management system uses the data from the Rule Generation Tool to solve repetitive alarms as soon as they appear.

This way, it helps decongest the system with multiple alarms with a known cause or from the same source. The Machine Learning Root Cause Analysis (ML-RCA) enables engineers to narrow down to the root cause of common issues and use history to analyze groups and correlate alarms for speedy resolution.

Report Generation

A mobile telecom fault management system also generates reports on locations, outages, resources, trouble tickets, historical alarms, open tickets, related tickets, and closed tickets through a user-friendly dashboard. The technical team can then review the report to find ways to improve the network or any of the components.

Businesses and consumers require uninterrupted connectivity so that they can conduct their business with ease. Faults, critical failures, and network unavailability may create prolonged downtime and cause losses to the communication service providers and their customers.

Fault Analysis

Fault analysis involves receiving an error notification and supporting data. It then carries several diagnostic measures to determine the cause of the fault, provide insights into the faults, attempt corrective measures, and report the conditions surrounding the fault. The software provides data to enable quick analysis and correction if the corrective measures do not resolve the issue.

A Self-Healing Reporting System

INNSPECT automatically detects the problem and informs the CSP of the same by creating a fault ticket, emailing, sending an SMS, or placing notices in the SOC and NOC dashboards. This platform can also anticipate upcoming problems through anomaly scoring and trend assignment. It then executes a self-healing process by generating solution scripts and sending them to rectify the problems, either automatically or semi-automatically.

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Coordinating with Configuration Management and Performance Management Systems

INNSPECT coordinates both the configuration and performance management systems to give the engineering team a clear overview of the network's performance. It keeps checking the platform for performance issues just in case a technical problem occurs. It also displays system information such as target connectivity, service availability status, and database health.

In addition, it checks the server for things like free space, CPU, and memory. The technical team can also configure custom alarms for things like executed command errors, missing data, KPI-based alarms, and issues that require manual intervention.

Benefits of *INNSPECT*- Mobile Telecom Fault Management

- Ability to monitor the quality of service
- Automatic detection and reporting of faults
- Grouping of alarms and self-healing of some for a speedy resolution of network issues
- Generation of detailed network performance reports for decision-making

Let *INNSPECT* Help You Manage Your Network Faults

INNSPECT helps the maintenance teams detect, report, and handle network faults from one dashboard in no time. The network fault monitoring solution also enables them to correlate, anticipate, and deal with some problems automatically as soon as they become apparent.

Are you in charge of a communication service provider that seeks to improve the quality of service (QoS)? Get in touch with Innovile to book a demo or presentation and learn how to get started.

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