



KEY FEATURES

- Easy to use, natural language question and answer for your network data
- AI-powered insights with detailed GenAI explanatory responses
- Context drilldowns to understand what is happening in your network
- Outlier detection, investigation and explanation

KEY BENEFITS

- Faster identification, investigation and resolution of network issues
- Increased team productivity
- Reduced trouble-tickets
- Ensures SLAs are maintained

KEY CAPABILITIES

- Comprehensive AI-powered analysis of network metrics and conditions
- Easy to use natural language question and answer UI and user experience
- Generative AI explanations based on analysis results
- Provides data results in table and graphical form, automatically choosing the best graphs and dimensions based on the results
- Provides an audit trail of the model's reasoning process so users can understand the process and logic
- Automates analysis of data outliers to identify and investigate potential issues
- Prompts suggestions for further exploration based on results
- Maintains full context of the analysis with a Q&A series
- Easy inline instantiation of AI-powered contextual analysis from Insights dashboards

AI-POWERED NETWORK ANALYSIS WITH AUTOMATED PROBLEM IDENTIFICATION, INVESTIGATION AND GENAI EXPLANATIONS

Modern, highly complex networks, network traffic, applications, and content are increasingly straining network resources and making it difficult to identify network issues, isolate sources and resolve problems. AI-powered network observability cuts through this complexity by automatically identifying issues and pinpointing why it is happening to allow Network Operations teams to run their systems more effectively and efficiently to maximize application and user Quality of Experience (QoE).

KEY CAPABILITIES

AppLogic Network's AI AppAnalyst provides the industry's deepest and most automated introspection of network traffic and flow data to provide immediate, detailed analysis of and explanation for network issues. Powered by the most detailed set of network traffic and performance data, supplied by AppLogic, AI AppAnalyst take the data to an entirely other level by using AI models to identify and investigate potential network issues to separate the noise and pinpoint issues impacting performance. AI AppAnalyst with Operations Insights or Enterprise Insights provides:

- AI-powered identification of network performance and QoE issues for faster problem isolation and resolution
- Detection of anomalies in the network metrics with detailed analysis and explanation
- Comprehensive AI-driven analysis and investigation across the many contextual dimensions supported by AppLogic Networks network observability solution
- Contextual instantiation of AI-driven analysis directly inline from Insights dashboards for faster analysis cycles

AI AppAnalyst gives Network Operations teams their AI partner to more effectively and efficiently operate their networks and deliver the highest network and applications QoE to their business teams.

HOW IT WORKS

AI AppAnalyst uses a sophisticated cloud-based LLM model and service to:

- Map natural language questions to network metrics, querying AppLogic Network's multidimensional network observability data model
- Analyze resulting network metrics across the contextual dimensions to look for patterns and outliers in the data
- Automatically initiate deeper analysis and introspection into specific outliers that may represent network issues
- Use generative AI to provide a detailed explanation into the network performance and specific issues at hand.

AI AppAnalyst has its' own dashboard where users can ask questions ranging from the simple to highly complex via an easy-to-use question and answer UI. AI AppAnalyst also provides a detailed explanation of its' reasoning process so users can understand how it came to the conclusions it did and learn from this.

Users can also automatically instantiate a contextual AI AppAnalyst drill-down directly from specific dashboards. Users simply clicking on any dimension or dimension value they want to investigate, an AI window pops up, an automated AI-powered investigation into that dimension and metric is performed, and a generative AI explanation is delivered.

This agile and automated detection and analysis enables Network Operations teams to identify, investigate and resolve problems faster without needing to navigate between multiple dashboards and interpret various metrics.

AI AppAnalyst is highly complementary to AppLogic Network's deep set of data generated by AppLogic and the AppQoE scoring models and methodology, simplifying visibility into any network.

Figure 1

AI App Analyst Functionality within Operations Insights

1 Context Drill-Downs
To understand what's happening

AI App Analyst

Provide a detailed network analysis for the Yelp app.

Summary
AI App Analyst

Where
Network Overview

What
Network Trends

What
App Health

Who
Subscriber Facts

Why

This analysis examines Yelp application performance across the network over a 1-hour period (14:45-15:45 CST on December 18, 2023). The data reveals **emerging performance issues** with Yelp experiencing a **persistent App QoE score of 2.3** throughout the entire observation window, indicating suboptimal user experience.

Key Findings:

- **3,000 active subscribers** using Yelp during this period
- **Consistent QoE score of 2.3** (flat) with no improvement over time
- **4 flat** for patterns suggesting systemic issues
- **High packet loss of 16.588%** - significantly impacting user experience
- **Low latency (2ms internal, 7ms external)** - not the primary performance bottleneck
- **Network-wide distribution shows 71.24% Poor, 14.54% Fair, and only 14.22% Good** Qualities
- **Average subscriber throughput of 4.87 Mbps** - indicative for AI App Analyst top-priority network ready to investigate results. (Click here to drill down)



2 Quick Answers for natural language questions

Show the subscriber count and average volume per subscriber for these top 10 apps

Subscriber Facts

- **3,000 active subscribers** using Yelp during this period
- **Consistent QoE score of 2.3** (flat) with no improvement over time
- **4 flat** for patterns suggesting systemic issues
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Who	What	When	Where
Who is being impacted	What is being impacted	When did it happen	Where is it happening

ABOUT APPLIC NETWORKS

AppLogic Networks' cloud-based App QoE portfolio helps customers deliver high quality, optimized experiences to consumers and enterprises. Customers use our solutions to analyze, optimize, and monetize application experiences using contextual machine learning-based insights and real-time actions. Market-leading classification of more than 95% of traffic across mobile and fixed networks by user, application, device, and location creates uniquely rich, real-time data that significantly enhances interactions between users and applications and drives revenues. For more information visit <https://www.applogicnetworks.com> or follow AppLogic Networks on X @AppLogic Networks.



USA
5800 Granite Parkway
Suite 170
Plano, TX 75024
USA

EUROPE
Neptunigatan 1
211 20, Malmö
Skåne
Sweden
T. +46 340.48 38 00

CANADA
410 Albert Street,
Suite 201, Waterloo,
Ontario N2L 3V3,
Canada
T. +1 519.880.2600

ASIA
Arliga Ecoworld,
Building-1, Ground Floor,
East Wing Devarabesanahalli,
Bellandur, Outer Ring Road,
Bangalore 560103, India
T. +91 80677.43333

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