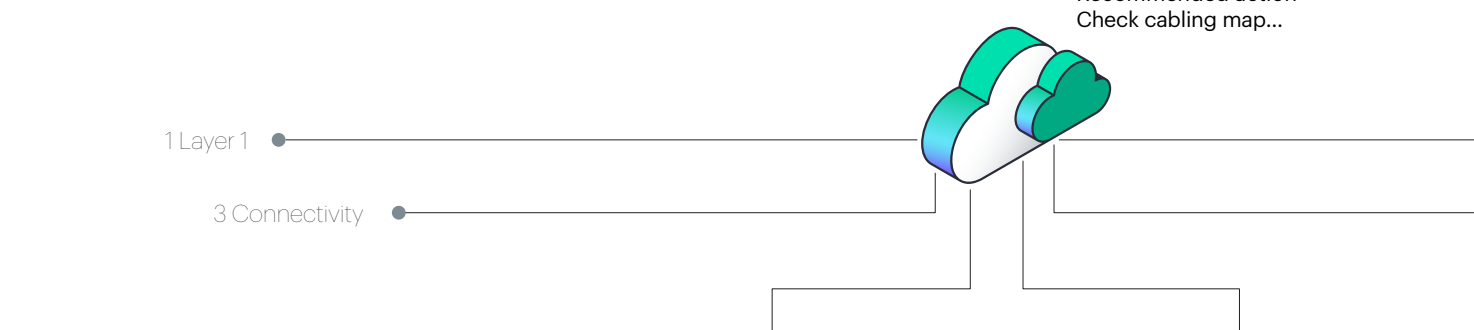




Marvis AI architecture: Transform IT operations with a self-driving network

Proactively detect and resolve issues using AI-native insights



→ **Marvis AI engine**

At the core of Marvis AI lies a purpose-built AI engine that combines GenAI, AI agents, machine learning (ML), natural language understanding, and domain-specific large language models (LLMs). Trained on billions of real network events, it powers every decision Marvis makes—from anomaly detection and SLE baselining to conversational responses and autonomous actions. The Marvis AI engine continuously learns and adapts, enabling faster resolution, fewer tickets, and predictive insights across your network infrastructure.

10 Switch

2 MTU Mismatch

3 Bad WAN Uplink

5 VPN Path Down

0 Non-compliant

→ **Marvis AI Assistant**

Marvis AI Assistant works with the Marvis AI engine to transform how teams interact with enterprise networks. It's the industry's substantiate AI-native virtual network assistant designed to deliver proactive operations, end-to-end visibility, and self-driving network actions. You don't need any specialized knowledge or skills to use the assistant—it relies on a conversational interface that leverages natural language processing and understanding (NLP and NLU), large language models (LLMs), generative AI (GenAI), and agentic AI for intuitive interactions.

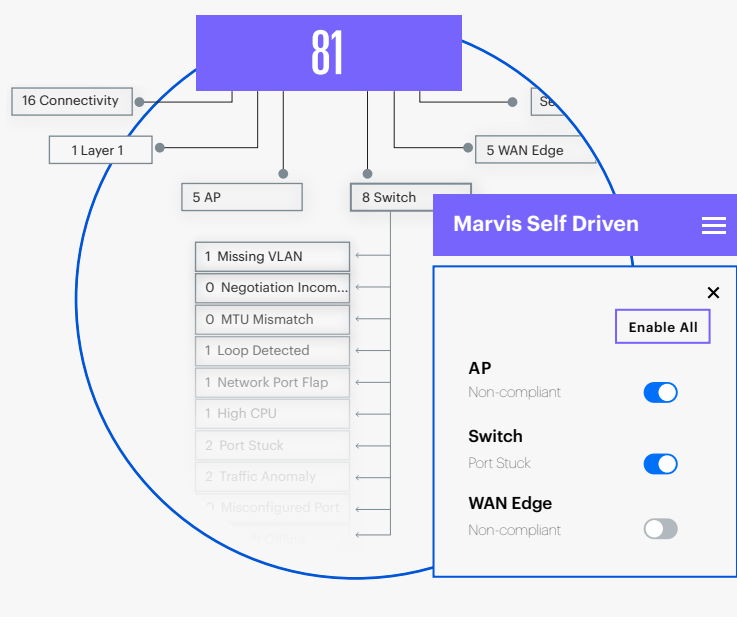
trend port flaps for site office in last 6 days

Working on your 'text_to_es'—Fetching the trend...

Here is what I found for office. Can you please check?

Office [PRODUCTION] Mist Site

OFFICE_ATT_UPLINK Mist Site



→ **Marvis Actions**

Proactive insight and remediation

A centralized dashboard delivering AI-native root cause identification and automated actions across your WLAN, LAN, WAN, security, and data center environments. Supports self-driving capabilities—when given permission—to resolve issues in real time.

→ **Marvis Conversational Interface (CI)**

Natural language, real-time troubleshooting

Use plain English to ask Marvis about network health, troubleshooting, client issues, documentation, or metrics. Powered by NLP, NLU, multi-agent AI, and LLMs for a human-like experience.

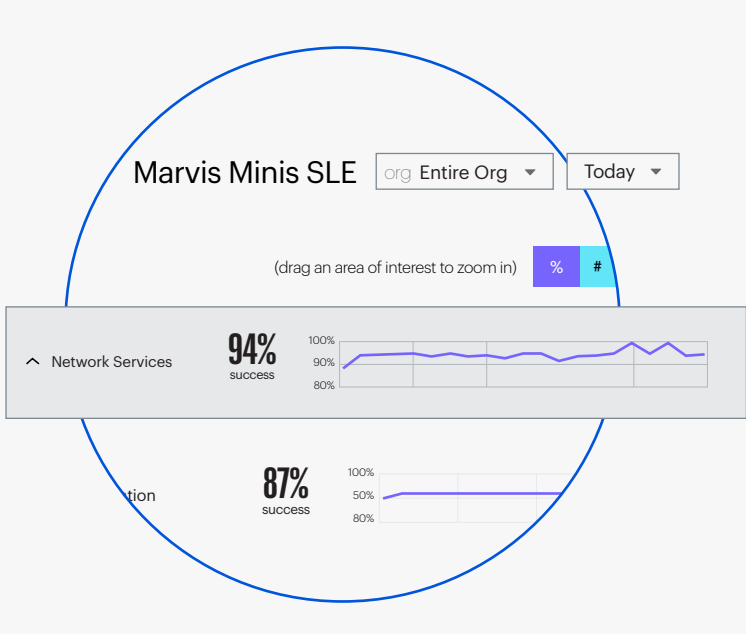
Hi, I'm Marvis. I'm here to help.

Show me where traffic is exceeding expected thresholds.

I found 4 instances of traffic exceeding thresholds:

spine-2 dc:a6:32:c7:e7:e6

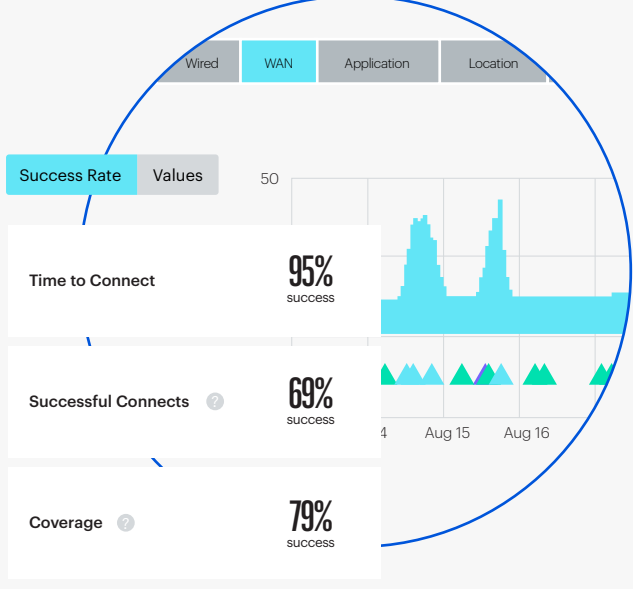
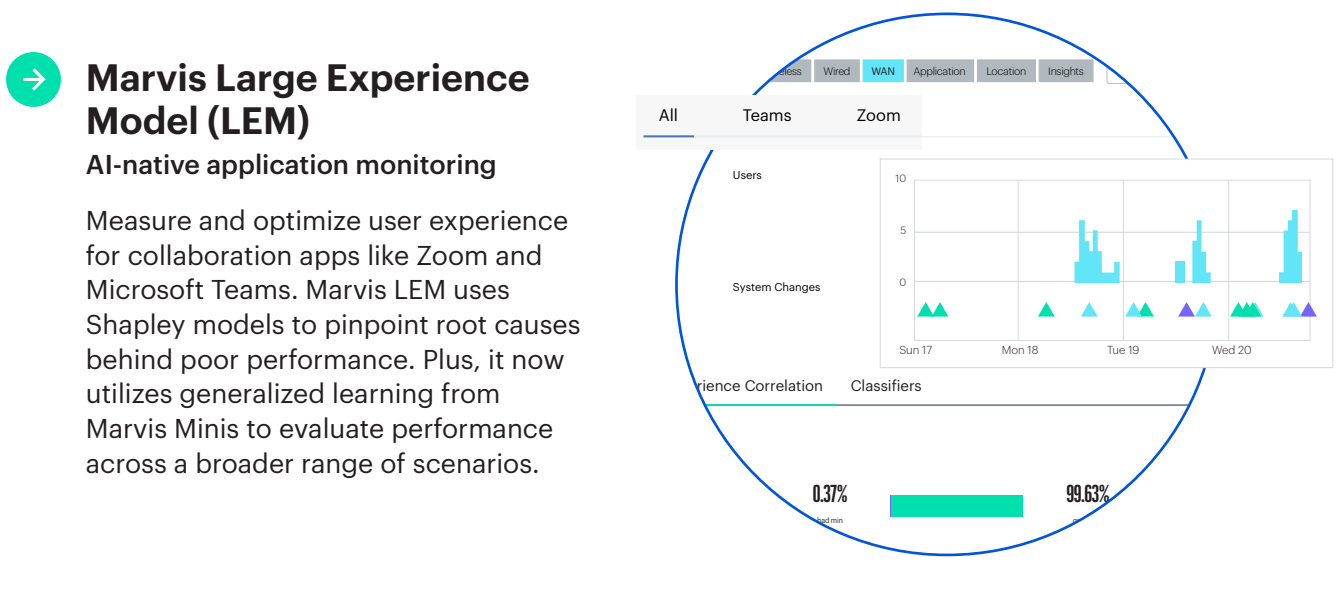
leaf_1-1 b8:27:eb:b4:b4:36



→ **Marvis Minis, client-to-cloud**

Digital experience twins for proactive testing

Always-on, hardware-free digital experience twins that provide visibility from client to cloud, Marvis Minis proactively simulate digital user connections to instantly validate network configurations and find/detect problems without users being present across all enterprise domains—from campus and branch to data center.



→ **Client Service Level Expectations (SLEs)**

Predictive experience monitoring

Set and track expected client behavior using machine learning models. Alert operators only when deviations or anomalies occur.

→ **Marvis AI for Data Center**

Expanding AI into data center environments

Integrated with Apstra Data Center Director for full stack visibility across Layer 1–3, Marvis AI Assistant for Data Center detects issues like cabling faults, BGP instability, and security gaps while offering fix-it recommendations through Marvis Actions or natural queries.

32 Layer 1 & 2

6 Incorrect Cabling

24 Bad Optics

0 Interface Flapping

2 Link Status Mismatch

0 Packet Discard

INCORRECT CABLING

RECOMMENDED ACTION

Check cabling map for specified device(s) and refer to help quickly resolve any incorrect cable config(s)

Site: Apstra PSE Lab-DC1-5-Stage

Details: Bad Optics Detected

Date: Mar 27, 2024 8:25 AM

Site: Apstra PSE Lab-DC2-3-Stage

Details: Bad Optics Detected

Date: Mar 27, 2024 8:23 AM

Integrations and device insights From edge to endpoint

- **Marvis Client:** Extends visibility down to device-level (Android™, Windows, macOS)
- **Third-party integrations:** Microsoft Teams, Zoom, Zebra, ServiceNow, and LLM APIs for deep contextual support and user experience tracking



Learn more at
[HPE.com/Marvis-AI](https://hpe.com/Marvis-AI)

Visit [HPE.com](https://hpe.com)

[Chat now](#)

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