



AIOPS: ТРАНСФОРМАЦИЯ ИТ С ПОМОЩЬЮ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА

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JUNIPER
NETWORKS

Driven by
Experience™

Driven by Experience

“**Accelerated troubleshooting** by eliminating need to send IT engineers to locations for troubleshooting of issues.”
10 / 10
Forbes top global companies

“We are doing things that we could **never have done before...**”

20 / 20
World's largest cloud providers

AI-driven SD-WAN

Proactive Automation and Self-Driving Wired Access

7 / 10 “**85%** Top technology companies reduced site visits.”

“**AI-driven Wi-Fi slashed network errors by over 90%.**”

Wireless Cloud-first Access

8 / 10
Top global retailers

18 / 20
Largest global banks

“**Profitability soared with reliable Wi-Fi that has increased order processing by over 300%.**”

“**18 / 20** Automation, enhanced KPI and proactive remediation has **decreased tier 1 global support resource manhours by 20%.**”

“**With Juniper (SD-WAN) we accomplished in 3 weeks what we were unable to do with MPLS.**”



ИСКУССТВЕННЫЙ ИНТЕЛЛЕКТ КАК ИНСТРУМЕНТ.

ChatGPT?
Midjourney?
Juniper MIST!



Today's Enterprise Landscape



Challenges

Key Objectives

Reduce complexity	Optimize operations	Prioritize CX	Improve ROI
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FRONT OFFICE

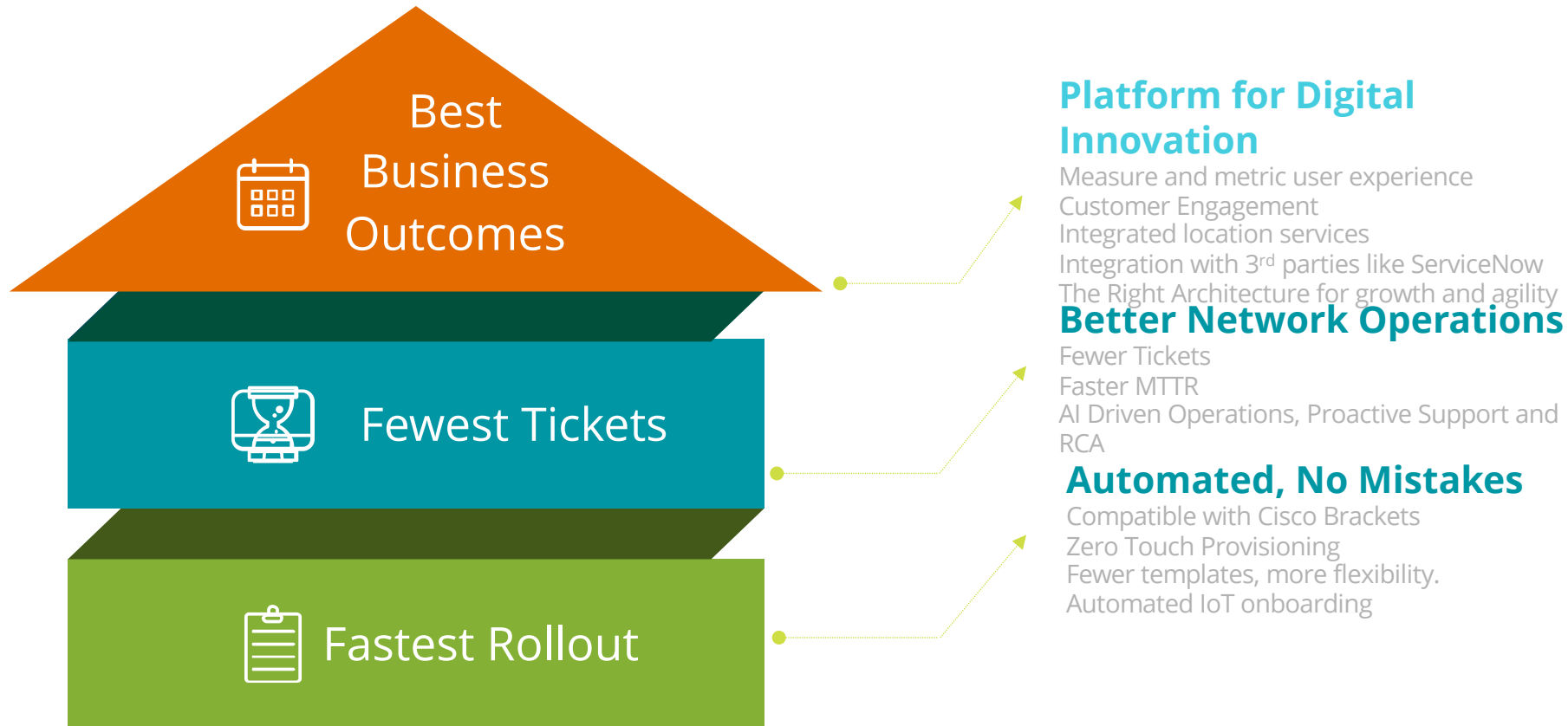
- Increase in SaaS, users, and devices (M365, IaaS)
- Hybrid work, evolving lifestyles
- Real-time communication
- Collaboration tools
- Wayfinding & Asset tracking
- PoS, Guest Wi-Fi

BACK OFFICE

- Video Analytics and Surveillance
- IoT Sensors, Bluetooth tags
- HVAC
- Smart Inventory
- API Security

Enterprises need network agility and reliability to meet business needs

Digital Transformation starts with the Network



AI-DRIVEN ENTERPRISE

Heighten the User Experience

with Juniper Networks Wireless, Wired, and SD-WAN

High performing WAN links with seamless back up connectivity

Deliver reliable wireless access for customers and employees

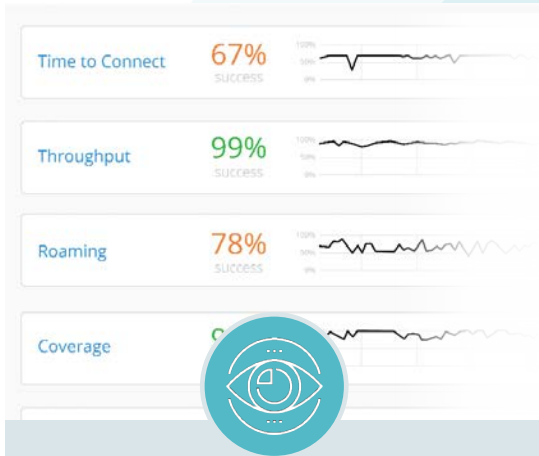
Simplified operations for AI administrators

Reliable, consistent Wi-Fi Coverage Everywhere

AI-DRIVEN ENTERPRISE

Substantially Better

Key Differentiation



Client Level Visibility



AI-driven Operations and Support



Microservices Cloud for Agility



Digital Engagement with Virtual BLE

UNDERPINNED BY A 100% OPEN API DRIVEN ARCHITECTURE

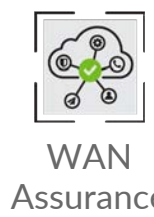
Delivered Across the Full Stack

SSR SERIES FOR ENTERPRISE BUSINESS

Secure, AI-driven SD-WAN

High performing | Scalable | Zero Trust Secure

- Instantaneous failover for voice, video, and critical apps
- Fast and seamless application performance
- Enhanced bandwidth utilization
- PCI Compliant
- IDS/IPS & URL Filtering
- Manage full-branch offerings under a single, multi-authority management console
- Tunnel-free architecture
- Real-time insight into user experience with WAN Assurance
- Immediate root cause discovery



60%
Latency Reduction

“With Juniper SSR we accomplished in 3 weeks what we were unable to do with MPLS.”

— Datacenter & Networking Platform Owner



A VISIONARY

SD-WAN Infrastructure

Gartner

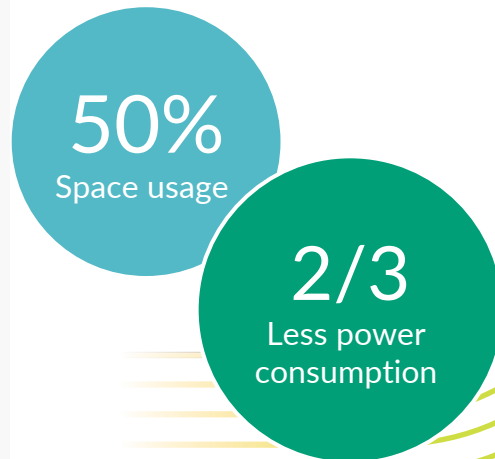
2022
MAGIC QUADRANT

EX SERIES SWITCH FOR ENTERPRISE

Leader in Wired LAN

Deliver best-in-class connectivity with industry leading solutions

- Streamline campus deployment with cloud-based ZTP for quickest time to value
- Simplify troubleshooting operations with AIOps
- Quickly identify and troubleshoot “needle in haystack” problems like misconfigured VLANs and bad cables with Wired Assurance
- Part of a full stack offering with wireless access and SD-WAN for end-to-end automation, insights, and actions



“ We are doing things that we could never have done before...”

— Director of IT

— AMERICA'S —
TEST KITCHEN

A LEADER

Wired & Wireless LAN
Access Infrastructure

Gartner

2022
MAGIC QUADRANT

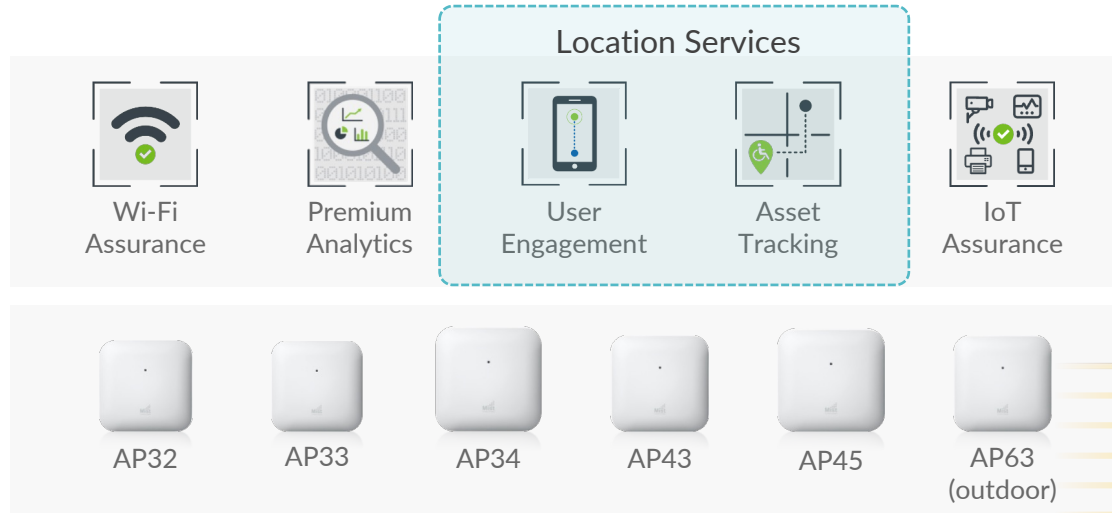
Gartner names Juniper furthest in Vision and highest in Execution.

MIST AP SERIES FOR ENTERPRISE

Leader in Wireless LAN

Reliable and consistent Wi-Fi, everywhere

- AI-driven automation and real-time insight into customer experience
- Microservices cloud architecture for seamless updates
- Gartner Leading Indoor Location Services
- Up to 802.11ax (Wi-Fi 6E): 4x4:4
- Tri-Band; dedicated fourth radio
- vBLE
- Auto placement & orientation (RRM)
- IoT sensors
- Rapid deployment with QR code scanning



“85%
reduced site visits”
— Network and Cloud Architect

GAP

A LEADER

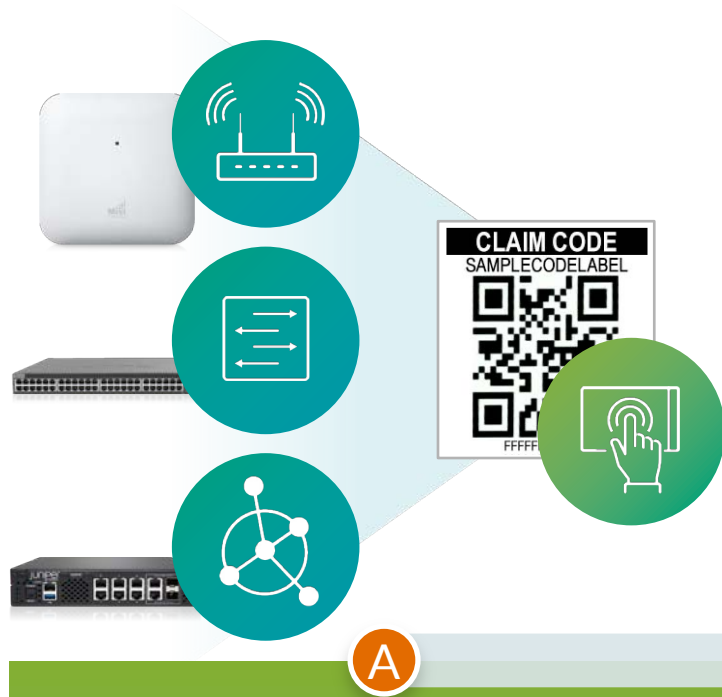
Wired & Wireless LAN
Access Infrastructure

Gartner

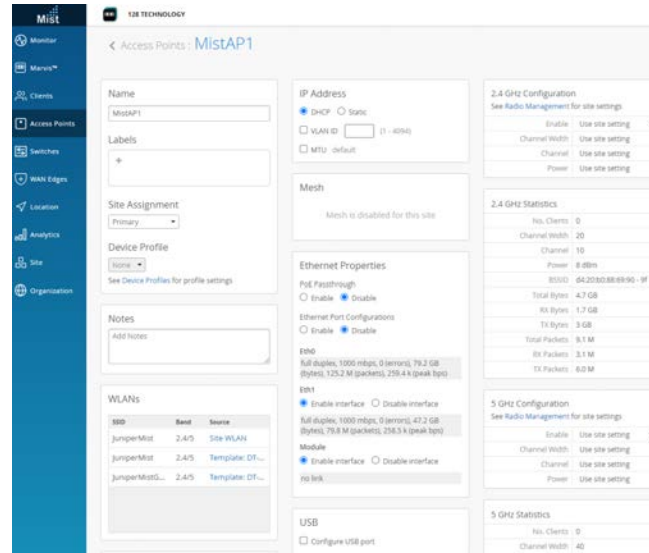
2022
MAGIC QUADRANT

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Easiest Day 0, 1, 2 Operations in the Industry



Scan and claim your devices to deploy industry leading Wired, Wireless, and WAN access



Apply policy/config via templates and remotely pushout updates from the Mist portal



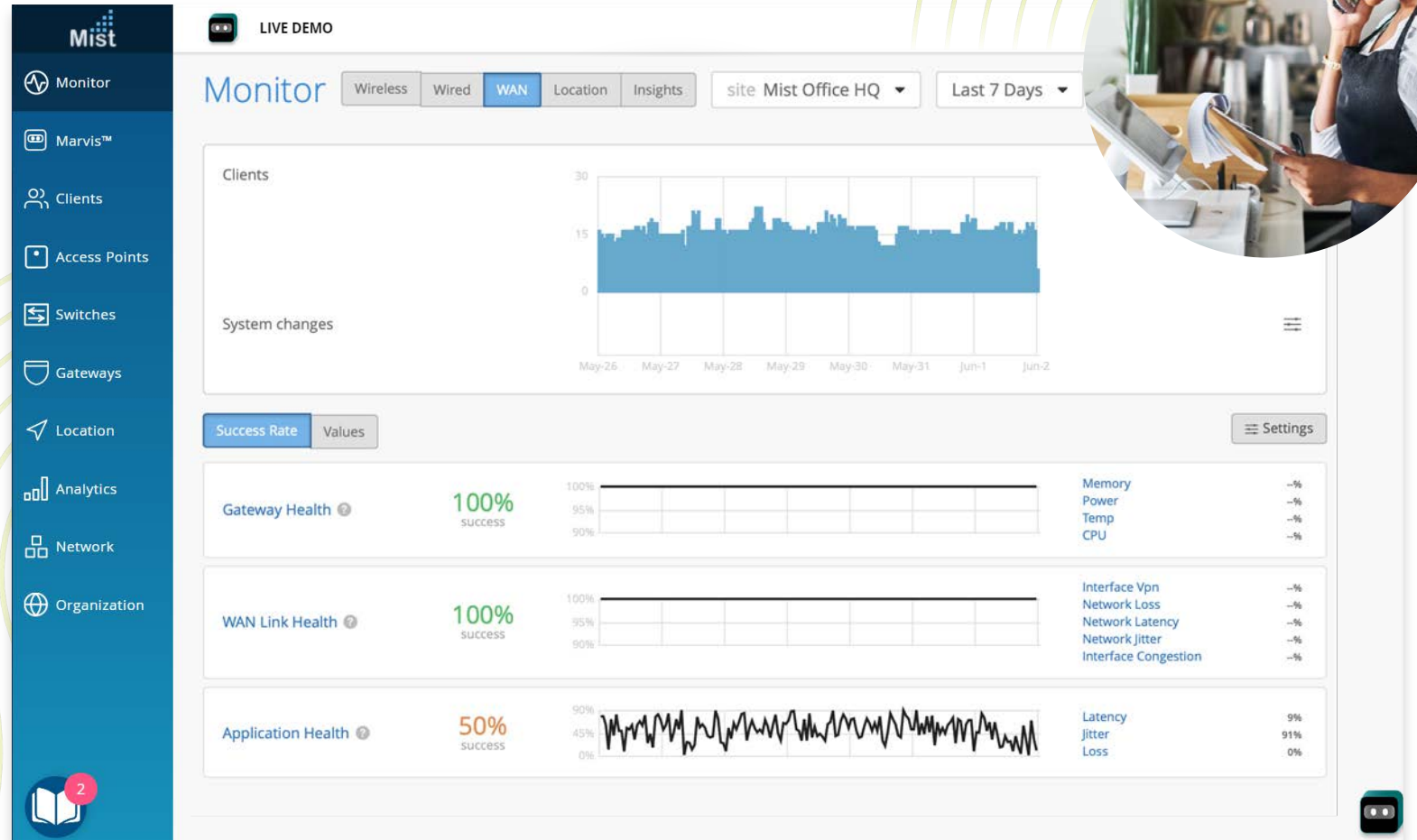
Deliver best-in-class connectivity throughout all your enterprise locations

Assured Experiences for Wi-Fi, Wired, and WAN

Automated operations make enterprise networks more predictable, reliable, and impactful

Enterprise network managed out of Mist AI Cloud

- ✓ Proactive optimization of wireless performance
- ✓ Dynamic packet capture for rapid IT troubleshooting
- ✓ Automatic root-cause identification
- ✓ Network automation via APIs



Business Outcomes for Enterprise

With Indoor Location Services as part of a Wi-Fi or SD-LAN offering



Improve customer engagements and get greater control of their mobile journey



Drive greater revenue through tailored offers, personalized experiences, and optimized product placements



Gain additional insights into workflow and productivity with asset tracking



Accelerate digital transformation with scalable and highly accurate location services using vBLE

- ✓ Get pervasive and reliable Wi-Fi experience with consistent coverage everywhere
- ✓ Reduce TCO of an Indoor Location Services solution
- ✓ From real-time wayfinding with accurate (1-3m) turn-by-turn navigation, to location-based proximity notification and alerts
- ✓ Accelerate digital transformation



Chris Bedi, CIO, ServiceNow

Marvis | Virtual Network Assistant (VNA)

Marvis
Actions

Conversational
AI interface

Delivers self-driving network

Automatic actions

Driver Assist to recommend actions

- Track upgrades
- Fix misconfigured ports/VLANs
- Identify bad cables
- Find L2 loops
- Identify device compromise and risk to the network

The screenshot displays the MARVIS interface with a central 'ACTIONS' hub containing 10 items: 5 Switch, 3 AP, 2 Authentication, DHCP, DNS, RF, Security, Clients, and 5 Missing VLAN (Low Power). Below this is a 'MISSING VLAN' section with a table of recommended actions:

ID	Info	Action	Date
MV-8	VLAN 248 is missing in 4 APs in 3 Switches at 2 Sites	Add VLAN 248 to the switches	Sep 23, 2019 04:50 PM
MV-1	VLAN 100 is missing in 2 APs in 1 Switch at 1 Site	Add VLAN 100 to the switch	Sep 27, 2019 02:34 AM
MV-12	VLAN 200 is missing in 2 APs in 2 Switches at 1 Site	Add VLAN 200 to the switches	Sep 30, 2019 01:35 AM

The right sidebar shows 'LATEST UPDATES' with three entries: a resolved action for AP Health (ID: HC-11), an AI validated missing VLAN (ID: MV-9), and a recurring issue for Ethernet Error (ID: EE-10).

Marvis | Virtual Network Assistant (VNA)

Marvis Actions

Conversational AI interface

Transforms how IT interacts with the full stack network

Streamlines operations and boosts experiences

Uses chat (NLP)

Provides deep understanding of issues

The screenshot displays the Mist network management interface. The main dashboard is titled 'Monitor' and shows various performance metrics for a 'Live Demo' site. The metrics include:

- Users: A bar chart showing user activity over time.
- System changes: A small bar chart showing system changes.
- Time to Connect: 94% success rate.
- Successful Connects: 93% success rate.
- Coverage: 88% success rate.
- Roaming: 98% success rate.
- Throughput: 96% success rate.
- Capacity: 75% success rate.
- AP Uptime: 64% success rate.

The right side of the interface features a 'MARVIS' chat window titled 'Troubleshoot ap Deeyo AP 1'. The chat message reads: 'Checking Deeyo AP 1. Here is what I found between September 1st - September 2nd:'. Below the message, there are three diagnostic items:

- Slow Association:** Clients of the AP had slow association due to transmission failure. The AP is currently online.
- AP Disconnect:** The AP was disconnected from cloud for a total of around 15 minutes due to switch down.
- Poor Coverage:** Due to weak signal strength.

At the bottom of the chat window, there are buttons for 'Message', 'Troubleshoot device', 'Troubleshoot site', 'Device Search', 'Documentation', and 'Marvis Actions'.



Thank you

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