



Secure, Compliant, Always-On Healthcare Networks

Modern healthcare networks run on real-time data - from hospitals and labs to remote care and medical IoT. Keep patient data secure, ensure compliance, and adopt AI-driven operations without vendor lock-in.



The Retail Challenge

Building Networks That Protect Patients

Healthcare IT must deliver **always-on care, regulatory compliance, and operational efficiency**:

- **Rising Cyber Threats:** Medical systems are prime targets for attacks.
- **Life-Critical Uptime:** Downtime directly impacts patient care.
- **Protecting PHI:** Sensitive patient data spans hospitals, labs, endpoints, and remote care.
- **Complex Compliance:** HIPAA, HITECH, and other mandates require continuous monitoring.
- **Fragmented Operations:** Legacy networks and siloed tools slow troubleshooting.

The result? Blind spots, slow issue resolution, and higher regulatory risk.

How Aviz Helps Healthcare IT Teams

Unified Observability

Gain **end-to-end visibility** across hospitals, labs, remote sites, and cloud — track every flow, monitor device and application performance, and simplify compliance reporting with **Aviz Packet Broker + Service Nodes**.

Built-in Security

Maintain **lateral movement visibility** and control sensitive data flows (PHI), enabling security tools like NDR/IDS to focus on the right traffic and helping IT teams detect and respond to unauthorized access.

Faster Resolution

AI-assisted root cause analysis reduces MTTR, even during emergencies.

Simplified Compliance

Continuous network-level telemetry simplifies HIPAA and HITECH audits.

Network Copilot™ for Healthcare

Private AI assistant automates operations, identifies risks, and predicts outages — all on-prem, keeping patient data secure.



The Aviz Advantage

Unified Healthcare Network Fabric – SONiC + ONES

- Orchestrate multi-vendor networks across hospitals, labs, POPs, and cloud.
- Normalize telemetry for actionable insights, performance optimization, and compliance.
- Scale bandwidth from 10G to 400G without forklift upgrades or downtime.

AI-Driven Operations with Network Copilot™

- Natural language troubleshooting across all network layers.
- Reduce MTTR by 30–40%, freeing IT staff for strategic work.
- Automate recurring compliance checks with continuous, audit-ready reporting.

Deep Observability with OPB + Service Nodes

- Packet-level visibility enables HIPAA-compliant reporting and lateral movement identification.
- Helps security tools get the right data for effective threat response.

Proven Results in Healthcare

A global healthcare provider deployed Aviz's **vendor-neutral observability stack and private on-prem Network Copilot:**

- 30–40% faster troubleshooting and automation ROI
- Full HIPAA-compliant visibility across hospitals, labs, and remote sites
- Lower operational costs with a multi-vendor, software-first approach
- Zero risk of exposing patient data while adopting AI workflows

Achieve More with Aviz

Save More (Financial Benefits)

- Lower OPEX & CAPEX via multi-vendor flexibility
- Reduce downtime and maintenance costs
- Cut audit and compliance reporting costs
- Optimize bandwidth for imaging, monitoring, and remote care

Achieve More (Strategic Benefits)

- AI-assisted patient care without compromising compliance
- Future-proof networks for telemedicine and AI workloads
- Full visibility into clinical systems and network flows
- Faster deployments across hospitals, labs, and POPs