

CASE STUDY | HEALTHCARE

Accelerating Cloud AI Diagnostics for **Medical Imaging**

Dedicated cloud transport turns MRI and CT imaging
from hours-long waits into minutes-fast AI analysis.

Cloud AI Connectivity

Medical Image Transport

**Hours > Minutes**

AI SCAN ANALYSIS TIME

Direct

AZURE EXPRESSROUTE PATH

Real-Time

CLINICAL DECISION SUPPORT

DIAGNOSTIC IMAGING

The Challenge

Diagnostic AI stranded on the
wrong side of the network.

Modern MRI and CT scanners produce massive image files
that require AI-powered analysis to accelerate diagnosis.
The compute capacity needed for that analysis sits in the public
cloud and hyperscale data centers — not inside hospital walls.

**Without predictable, high-bandwidth transport to cloud
imaging platforms, radiologists waited hours for results.
Every minute of delay translated directly into delayed
treatment decisions for patients.**

Cloud Compute Dependency

Transport Unpredictability

Delayed Care

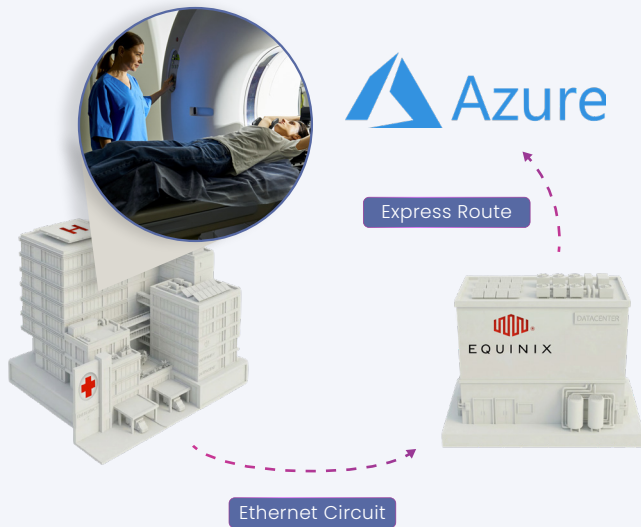


The Solution

Engineered cloud transport, end to end.

Contrivian engineered dedicated Ethernet circuits between hospital sites and Equinix carrier-neutral data centers, with direct handoff into Microsoft Azure ExpressRoute. Imaging traffic bypasses the public internet and flows straight into the cloud AI processing platform.

Contrivian Lighthouse™ monitors path performance end-to-end; **Contrivian NorthStar™** provides circuit inventory and lifecycle management. One architecture, one SLA, one accountable partner from scanner to cloud.



- Dedicated Ethernet
- Azure ExpressRoute
- Scanner-to-Cloud
- Unified SLA

Solution Stack **contrivian** lighthouse™ **contrivian** northstar™ DEDICATED ETHERNET EQUINIX Azure

☞ CLOUD AI CONNECTIVITY

The Outcome

Faster diagnoses, better patient outcomes.

Connectivity engineered as clinical infrastructure delivered measurable clinical benefits:

- > AI-powered scan analysis delivered in minutes instead of hours.
- > Dedicated ExpressRoute path bypasses the public internet — no best-effort contention.
- > Unified architecture across hospital sites under a single Contrivian SLA.
- > Scales cleanly as imaging volumes grow and new AI platforms come online.

- Minutes Not Hours
- Single SLA
- Predictable Cloud Path
- Scales with Volume



INTELLIGENCE · EXPERIENCE · ACCOUNTABILITY · TRUST

Connectivity as clinical infrastructure — engineered for minutes, not hours.