

LogZilla for Transportation and Logistics

Fleet Visibility, Supply Chain Security, and Operational Intelligence

Fleet

Visibility

Supply Chain

Security

TSA/DOT

Compliance

AI

Copilot Included

The Transportation Challenge

Distributed Operations Complexity:

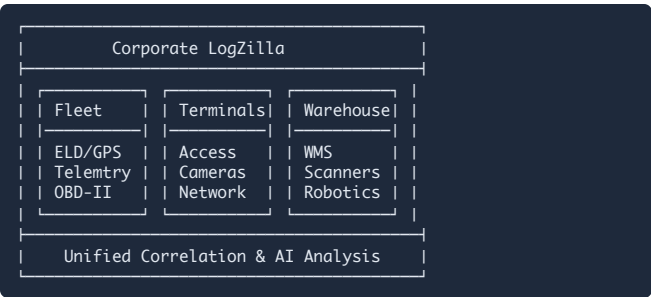
- Fleet visibility:** Thousands of mobile assets
- Supply chain attacks:** Cargo and data theft
- Regulatory compliance:** TSA, DOT, FMCSA
- Ransomware targets:** Logistics disruption
- Multi-site operations:** Terminals, hubs, depots

The AI Advantage

Transportation-Aware Intelligence:

- Fleet monitoring:** Vehicle and driver systems
- Cargo security:** Theft and tampering alerts
- Compliance automation:** ELD, HOS evidence
- Terminal security:** Access and surveillance
- Supply chain visibility:** End-to-end tracking

Fleet Operations Architecture



**Mobile Asset Collection:** LogZilla aggregates logs from ELDs, telematics, and fleet management systems across your entire operation.

AI-Powered Fleet Security

**Security Analyst prompt:** "Show all fleet security anomalies and cargo theft indicators in the last 24 hours."

FLEET SECURITY ANALYSIS  
Period: Last 24 Hours | Vehicles: 2,847 | Events: 47M

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FLEET STATUS: 98.7% NORMAL | 🚩 ALERTS: 4

- CARGO TAMPERING - TRK-4521 (Refrigerated)  
Door sensor triggered 3 AM | Status: False alarm
- ROUTE DEVIATION - TRK-2847 (High-Value)  
47 miles off-route | Status: INVESTIGATING
- UNAUTHORIZED ACCESS - Chicago Hub  
Terminated employee badge | Status: BLOCKED
- TELEMATICS ANOMALY - TRK-1234  
GPS lost 4 hrs, theft hotspot | Status: ALERT

CARGO PROTECTED: \$47.2M in transit

AI Use Cases for Transportation

Use Case	Traditional	With AI
Cargo theft detection	After the fact	<b>Real-time</b>
Route deviation alerts	Manual review	<b>Automated</b>
Compliance reporting	Hours	<b>Minutes</b>
Terminal security	Camera review	<b>Correlated</b>
Fleet incident analysis	Days	<b>Minutes</b>

Log Sources

- Fleet:** ELD, telematics, GPS, OBD-II
- Facilities:** Access control, cameras, sensors
- Systems:** TMS, WMS, yard management
- Protocols:** Syslog, SNMP, API, files

Supply Chain Visibility

Operations Manager prompt: "Analyze supply chain events for shipment SC-2024-47521 from origin to delivery."

SUPPLY CHAIN ANALYSIS: SC-2024-47521  
Origin: Shanghai → Destination: Chicago  
Value: \$2.4M | Status: IN TRANSIT

CHAIN OF CUSTODY:

Nov 28 - Shanghai Port  
✓ Container sealed (SEAL-47521)  
✓ Customs cleared  
✓ Loaded on vessel EVER GIVEN

Dec 5 - Long Beach Port  
✓ Vessel arrived  
✓ Seal verified intact  
✓ Customs inspection passed  
✓ Transferred to rail

Dec 8 - Chicago Rail Yard  
✓ Arrived on schedule  
✓ Seal verified intact  
✓ Transferred to TRK-2847

Dec 9 - Final Mile (Current)  
→ ETA: 14:30 local  
→ Driver: J. Smith (verified)  
→ Route: On track

SECURITY EVENTS: 0 anomalies  
TEMPERATURE: Maintained (cold chain)  
DOCUMENTATION: Complete

Compliance Reporting

COMPLIANCE DASHBOARD  
Period: Last 30 Days | Fleet: 2,847 vehicles

ELD COMPLIANCE:  
HOS Violations: 23 (down 15%)  
Unassigned Driving: 47 events  
Malfunction Reports: 12  
Compliance Rate: 99.2%

FMCSA/DOT:  
Pre-Trip Inspections: 100%  
Post-Trip Inspections: 99.8%  
DVIR Completion: 100%

TSA (Hazmat):  
Background Checks: Current  
Training: 100% certified  
Incident Reports: 0

Regulatory Frameworks

Framework	Coverage
FMCSA ELD Mandate	Supports
DOT HOS	Automated
TSA Pipeline	Cybersecurity
C-TPAT	Supply Chain
ISPS Code	Maritime

Deployment Options

Cloud (Recommended)

- Fleet-wide visibility
- No terminal infrastructure
- Scalable architecture
- Mobile-friendly

Hybrid

- Terminal collectors
- Central cloud analytics
- Low bandwidth sites
- Offline resilience

On-Premises

- Corporate data center
- Full data control
- Government contracts
- Custom retention

Why Transportation Companies Choose LogZilla

Metric	Improvement
Cargo theft detection	Real-time
Compliance reporting	90% faster
Fleet visibility	100% coverage
Incident response	85% faster

Transportation-Specific Benefits:

- Cargo protection:** Real-time theft alerts
- Compliance:** ELD, HOS, TSA ready
- Visibility:** Fleet to warehouse
- Supply chain:** End-to-end tracking

Protect cargo, ensure compliance, optimize operations.

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