



FROM MONITORING TO AUTONOMY: DROMA FOR DATA CENTER OPERATIONS

Today's data centers are running infrastructure that monitoring tools were never designed to manage. Hybrid architectures, GPU-dense AI workloads, and tightening energy constraints have fundamentally changed the operational equation. Yet most operations teams are still relying on static thresholds, rules-based automation, and alert-flooded dashboards to keep pace. The result is a widening gap between infrastructure complexity and operational capability. Closing it requires more than better monitoring. It requires a platform that predicts failures, understands causality, and acts — autonomously, continuously, and at machine speed.

Overview

The stakes of operational failure in a data center have never been higher. A single cross-domain incident — undetected across siloed tools — can cascade into outages that breach SLAs, erode customer trust, and put revenue at risk. Yet the teams responsible for preventing this are still managing environments of unprecedented complexity with tools built for a simpler era.

Droma (formerly Grok) changes that. Its continuously learning AI platform predicts failures before they occur, surfaces root causes across domains, and drives remediation — without relying on static rules, topology maps, or CMDB configurations. It adapts as your infrastructure evolves, getting smarter with every incident. For data center operators, that means fewer outages, faster resolution, and the operational confidence to scale without adding headcount.

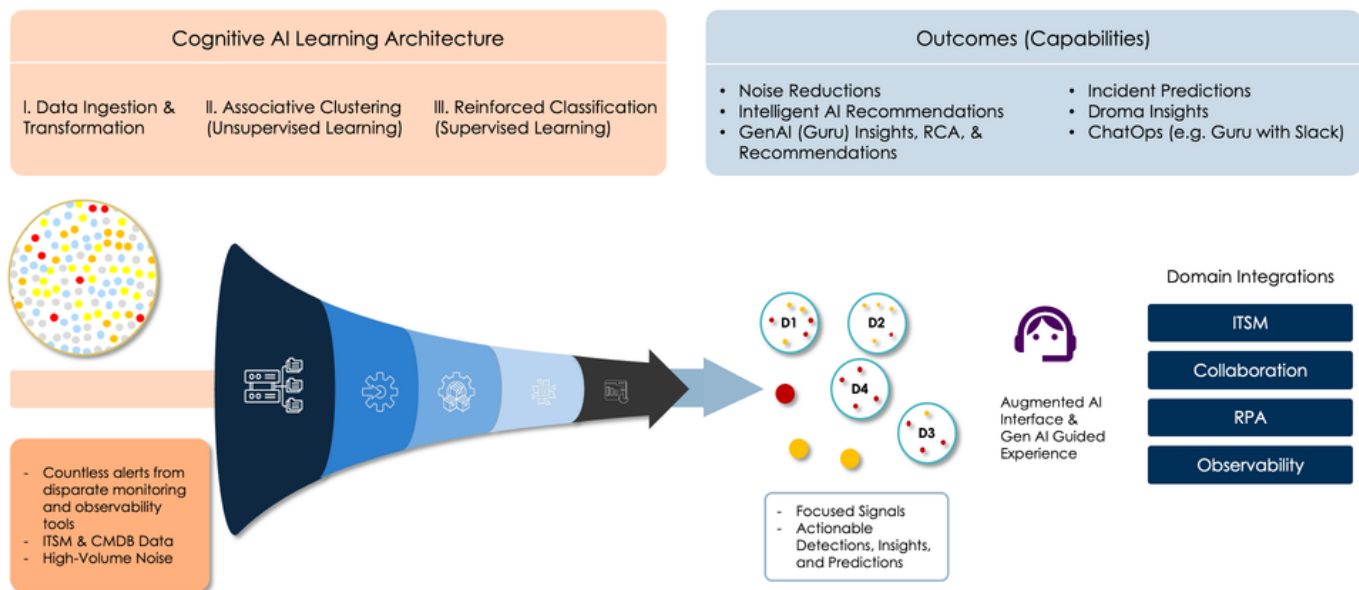
And as AI workloads grow denser and infrastructure complexity deepens, the operational bar keeps rising. Droma is built for that reality — giving NOC teams, infrastructure leaders, and executives a shared platform that doesn't just keep pace with change, but stays ahead of it.

Interested in learning more? Contact us at info@droma.ai

COGNITIVE AI LEARNING ARCHITECTURE

Droma's learning architecture mirrors the cognitive layers of the human brain, excelling in causal inference and decision-making. By employing a combination of causal, predictive, and generative AI, Droma unifies signals across power, cooling, environmental, facility, network, compute, and application layers into a single operational context – bridging physical and digital infrastructure in a way that siloed tools structurally cannot. This allows Droma to associate raw data with underlying causes across domains, delivering unparalleled insight into how infrastructure actually behaves.

It analyzes vast telemetry data to identify patterns in related alerts and uses unsupervised learning to group these alerts into meaningful detections. Through reinforced (supervised) learning, Droma prioritizes alerts and adds critical context. These continuously learned insights become the foundation for specialized agent services and role-based agents, enabling agent-driven operations built on a shared operational understanding. Specialized agent services then provide intelligent recommendations, root cause analysis, contextual summaries, and guided decision support, enabling rapid and informed decision-making.



INCIDENT PREDICTION AND PREVENTION

Proactive Problem Identification - Droma's proactive problem identification uncovers and permanently resolves recurring issues, not just their symptoms. By consolidating alarms into meaningful groups, applying AI models trained on existing ticketing data, and learning from operational feedback, Droma empowers platform owners and problem management teams to eliminate recurring tickets, automate fixes, and drive continuous improvement across data center operations.

Major Incident Response - Droma's advanced anomaly detection swiftly identifies previously unobserved major incidents, such as cooling failures, power distribution faults, or network misconfigurations by analyzing event patterns, logs, and configuration changes in real time. Operations teams receive actionable intelligence the moment an incident emerges, significantly reducing time to resolution and enabling confident, streamlined response across data center environments.

Incident Prediction and Automation - Droma enables data center operators to predict and prevent incidents up to 48 hours in advance. By dynamically linking recommended automations to detections and prioritizing remediations by severity and frequency, Droma moves beyond single alert triggers, applying pattern-based automation across compute, power, cooling, and network domains for smarter, more efficient remediation workflows.

BUSINESS & OPERATIONAL IMPACT

Organizations using Droma can:

- Significantly increase signal to noise ratio
- Identify and remove recurring incidents
- Predict and prevent customer-impacting incidents
- Improve MTTR and operational responsiveness
- Optimize energy consumption and improve Power Usage Effectiveness (PUE)
- Scale operations without increasing headcount
- Reduce revenue at risk from downtime and service degradation
- Maintain governance as AI autonomy progressively expands

Trusted by:



WHY DROMA FOR DATA CENTER

Data Center organizations choose Droma to move beyond reactive operations to predictive, agentic, and self-healing IT operations—built to scale, integrate seamlessly, and continuously learn from every signal and outcome.

- **Elastic Scalability** - Droma's Cognitive AI Learning Architecture is designed to scale alongside increasing workload density, new infrastructure domains, and complexities of AI-era operations. It enhances accuracy and deepens self-learning as it ingests more diverse telemetry.
- **Deployment Flexibility** - Droma offers SaaS, on-premise, and hybrid models, ensuring compliance with data residency and security standards tailored to various regions. Its multitenancy features ensure efficient management of distinct data environments for different customers, maintaining compliance while optimizing operational scalability.
- **Ease of Integration** - Droma is infrastructure-agnostic, operating seamlessly across cloud, on-prem, and hybrid environments without necessitating changes to existing systems. Droma Connect enables rapid ingestion and integration across observability, ITSM, automation tools, BMS, DCIM, power management, cooling, and environmental monitoring platforms, bringing alerts, logs, and metrics into a unified operational view.
- **Agent-Driven Decisioning and Execution** - Droma moves beyond rule-based automation to agent-driven triage, decision-making, and execution that dynamically selects actions based on context, confidence, and historical outcomes.
- **Continuous Learning Toward Self-Healing Operations** - Droma continuously learns from signals, incidents, and outcomes, facilitating a shift from assisted operations to autonomous, self-healing IT operations under human governance.
- **Decision Intelligence at Scale** - Droma translates complex, multi-domain operational data into clear executive-level insight, giving leadership the confidence to scale operations without proportionally increasing operational overhead.

HOW DROMA WORKS

Droma operates as a cognitive AI layer across your environment, ingesting signals, learning continuously, and orchestrating agent-driven actions across IT Operations and ITSM.

- **Ingest & Unify Signals** - Droma ingests events, alarms, logs, metrics, incidents, and changes through Dynamic Data Fusion, creating a real-time, unified operational context across systems.
- **Learn & Reason Continuously** - Using predictive, causal, and generative AI, Droma learns before, during, and after incidents, improving detection accuracy, understanding relationships, and building a continuously evolving model of your environment.
- **Detect, Predict, and Decide** - Droma compresses noise into actionable detections, classifies issues, and identifies risks hours in advance, delivering context-rich insights, root cause analysis, and recommended actions.
- **Orchestrate Agent-Driven Workflows** - Role-based agents (L1, L2, SRE, and Problem Manager) leverage specialized agent services to triage, investigate, and resolve issues, coordinating actions across tools and workflows.
- **Execute with Governed Autonomy** - Actions are executed through automation and orchestration, with human-in-the-loop approvals, policy guardrails, and full explainability, progressing toward self-healing IT operations.

Predictive & Agentic AI for IT Operations



Role-based Agents
and Workflow

L1 Ops

L2 Specialist

Platform/SRE

Problem Mgr



Specialized Agent
Services

Knowledge
Retrieval
Root Cause
Analysis

Full Context
Summaries
Troubleshooting
Orchestration

Intelligent
Recommendations
Analytics

Automation Advisor
Action Validation

Agent
Interoperability
Layer (MCP /
APIs)



Droma Cognitive AI Intelligence Powered by
Predictive, Causal & Generative AI

Learns Before,
During and After
Incidents

Noise
Reduction

Classification

Incident
Prediction

Automation

Continuous Cognitive Learning

Dynamic Data Fusion

Unified Multi-
Domain Context

Events

Alarms

Changes

Incidents

Logs

Metrics

Observability, EMS, ITSM, CMDB



Governed Autonomy

RBAC / Security - Policy Guardrails -
Explainability & Audit - Human-in-the-
Loop Approvals & Enrichment

ABOUT DROMA

Droma delivers predictive, agentic, and self-healing IT operations through a cognitive AI platform that continuously learns from signals, incidents, actions, and outcomes. Built for rapid deployment and seamless integration, Droma enables organizations to move from reactive operations to autonomous, outcome-driven performance. We partner with high-growth and large enterprises across oil and gas, data center, fintech, and other industries, as well as CSPs and MSPs, supporting mission-critical, real-time environments where reliability, scale, and customer trust are non-negotiable.

Contact us at info@Droma.ai to learn how to modernize your IT Operations.