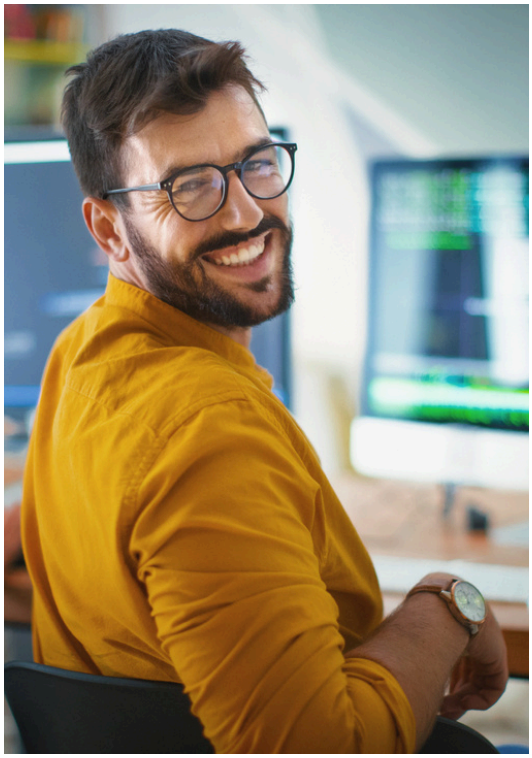
DYNAMIC DATA FUSION

Intelligent Data Ingestion and Enrichment — Engineered for Self-Healing IT Operations

Overview

Modern IT operations depend on clean, contextual data—not just for visibility, but to drive autonomous, self-healing responses. Grok® Dynamic Data Fusion transforms raw, diverse telemetry and operational signals into structured, enriched inputs ready for real-time machine learning and automated action.



Through its dual-layer framework—GrokConnect for intuitive, no-code workflows, and GrokOmni for deep, customizable integration—Grok rapidly ingests, transforms, and operationalizes data to power our Cognitive AI engine.

Unlike platforms that treat machine learning as a downstream add-on, Grok fuses data preparation and intelligence at the source—turning complexity into clarity, and alerts into outcomes. Dynamic Data Fusion serves as the foundation of Grok's Cognitive AI framework, ensuring downstream models learn from signal-rich, structured, and continuously refreshed data inputs.

BUILT FOR SELF-HEALING

Grok Dynamic Data Fusion does more than move and clean data. It:

- Prepares and optimizes data *specifically for predictive modeling and early detection*
- Automates the entire data pipeline from collection through enrichment
- Enables scalable, real-time ML at the core of incident prevention and auto-remediation

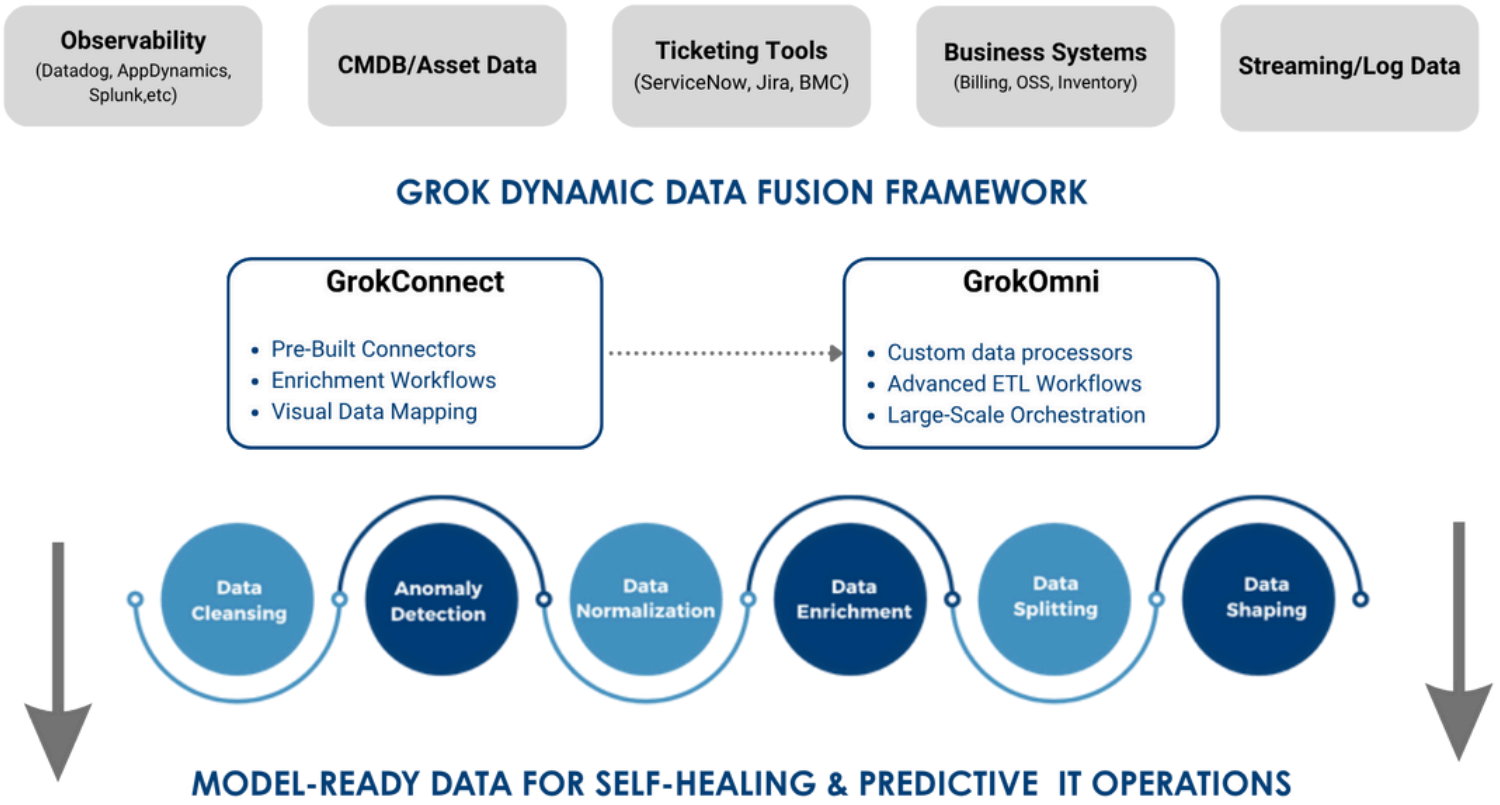
CORE CAPABILITIES

Functionality	What It Delivers
Plug-and-Play ML Ingestion	Ingests event and telemetry streams without complex coding or toolkit overhead
Data Cleansing	Fixes inconsistencies, removes duplicates, and handles missing values
Data Normalization	Standardizes values across systems to ensure model-ready consistency
Data Mapping	Connects source fields to Grok's model schema via a visual interface
Feature Engineering	Identifies and selects key variables to optimize ML model accuracy
Data Splitting	Enables segmentation by geography, business unit, or customer—ideal for MSPs
Early Anomaly Detection	Uses anomalies as leading indicators—not post-incident flags
Clustering & Classification	Identifies emerging incidents and suppresses noise and false positives
Contextual Enrichment	Leverages CMDBs and external sources to enhance meaning and reduce resolution time

WHAT MAKES GROK DIFFERENT

Compared to traditional platforms that bolt on analytics after the fact, Grok integrates intelligence into the entire data flow. Here's how we stand apart:

- **Machine-Learning Ready Out-of-the-Box** - Grok's integrated machine learning automatically transforms raw input into model-ready data—no toolkits or data scientists required.
- **Anomaly detection done right** - Others use anomalies to trigger alerts. Grok uses them to prevent incidents, catching subtle patterns and early signals before they escalate.
- **Visual-first transformation** - Grok handles data cleansing, normalization, and mapping through an intuitive interface—no complex ETL or scripting.
- **Field-tested for scale and precision** - Designed for environments with billions of events per day, Grok's platform handles both real-time stream processing and historical data context.
- **Self-healing focus** - Every transformation, rule, and enrichment is engineered to enable autonomous remediation—not just human response.



KEY CAPABILITIES

- **Observability Integration** - Quickly connect to leading observability platforms —enabling rapid data onboarding and normalization without custom code.
- **CMDB & Ticket Enrichment** - Ingest and enrich alerts with ownership details, business context, and topology data from your CMDB—driving smarter routing and faster resolution.
- **Multi-source Fusion** - Combine diverse data sources such as billing systems, OSS, and inventory platforms to build a unified, contextual view of service health and performance.
- **AI Signal Optimization**- Deliver clean, normalized, and enriched event streams directly to Grok's Cognitive AI—ensuring high-quality signals drive more accurate detection, prediction, and action.
- **MSP & Multi-Tenant Support** - Easily segment data by customer, business unit, region, or SLA to support multi-tenant environments—ideal for service providers managing large, complex environments.

ABOUT GROK - DISCOVER THE POWER OF AI LEARNING WITHOUT RULES

Grok Dynamic Data Fusion powers the shift from reactive firefighting to self-healing operations—feeding clean, enriched data into Grok's Cognitive AI Architecture.

Inspired by neuroscience and built for modern IT environments, Grok continuously learns from telemetry and operator behavior to detect root causes, prioritize intelligently, and prevent incidents before they escalate. With GrokGuru delivering real-time, context-aware insights, your team gains a truly adaptive platform—built to evolve, optimize, and automate IT at scale.