





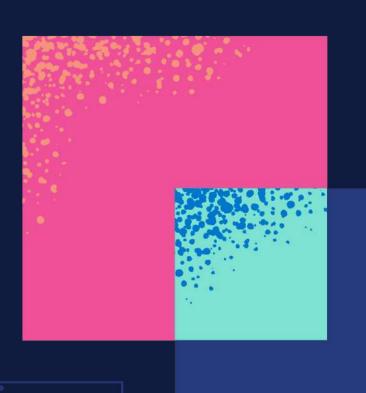


Elastic Observability



María Bolaños

November 2023









María Bolaños

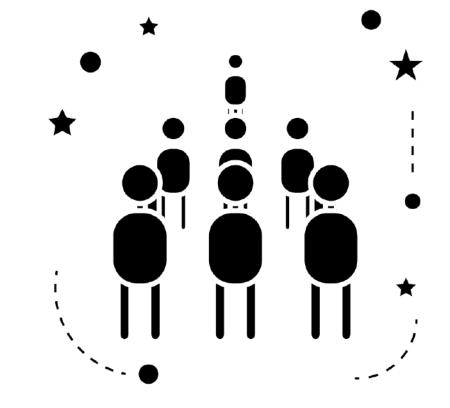
Sr Solutions Architect













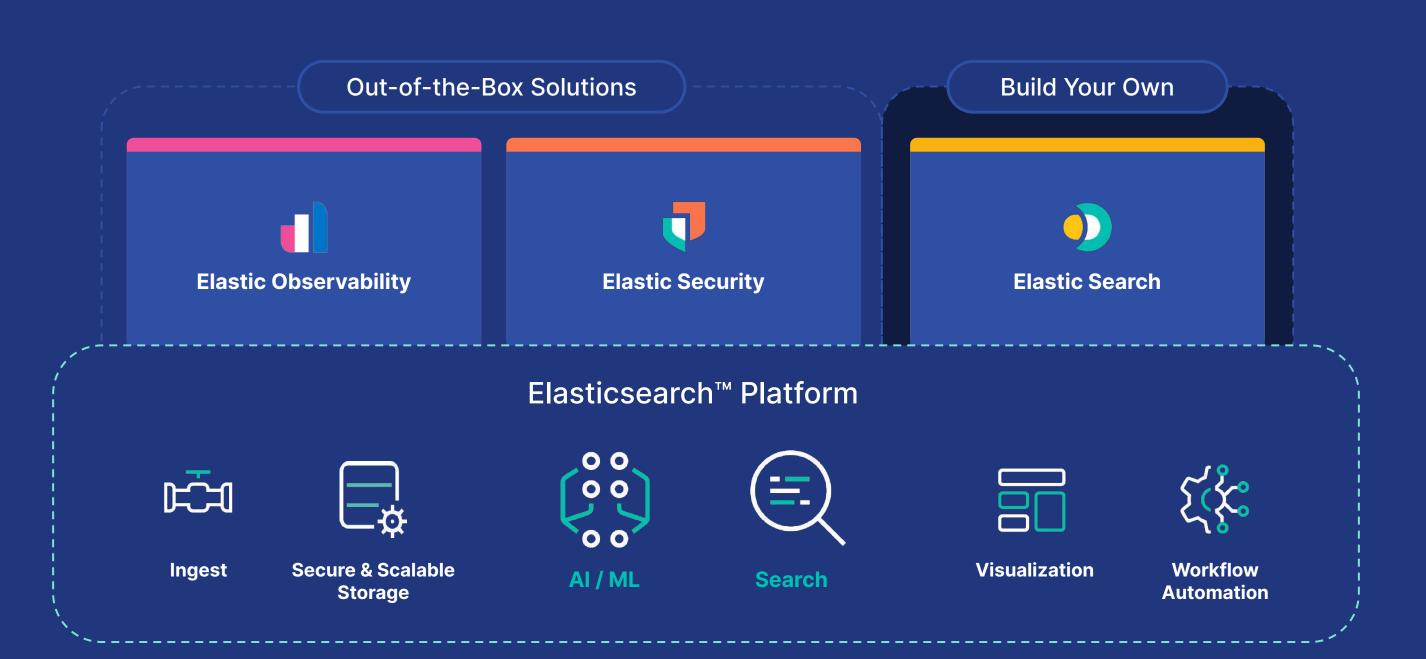
Searching for Rides





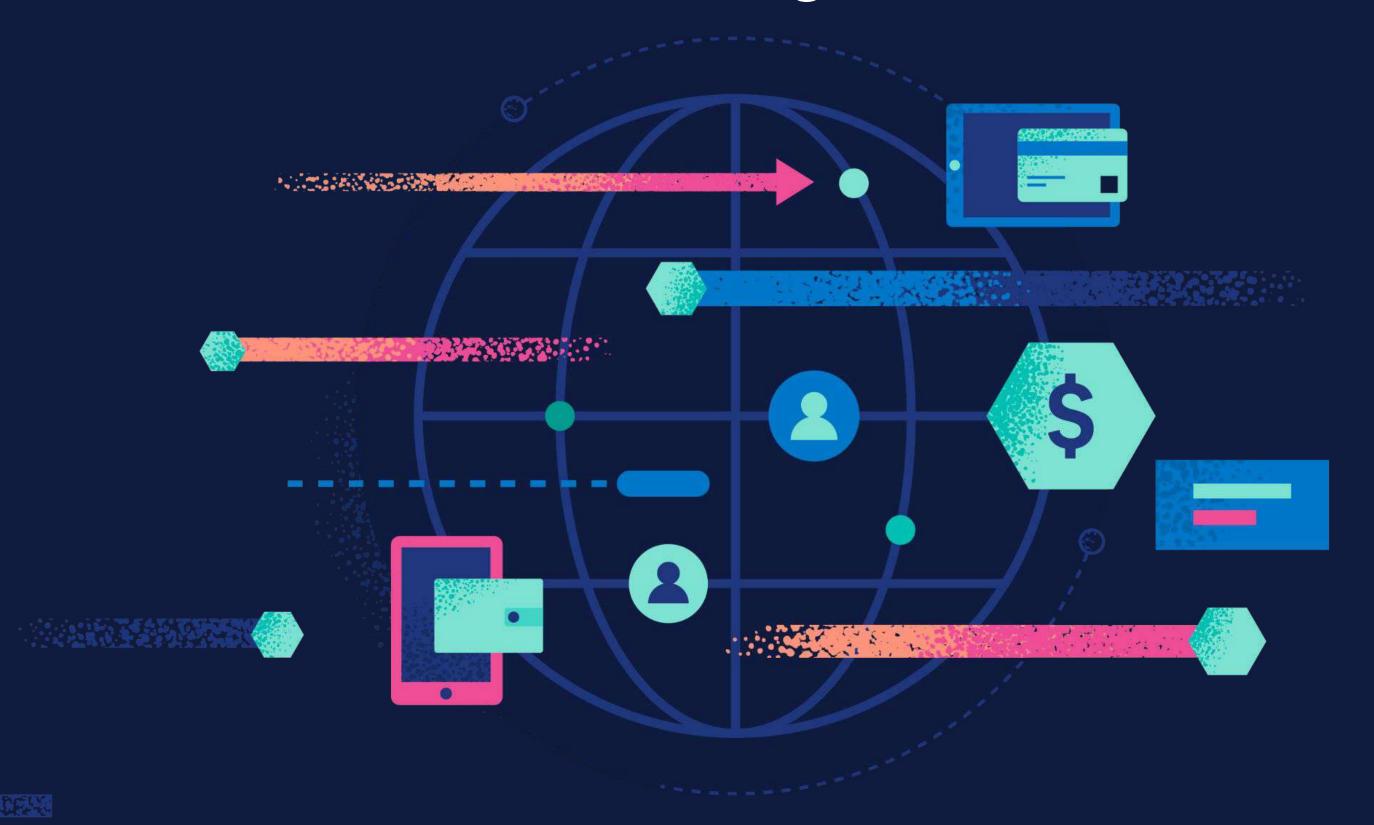


One Data Analytics Platform Two Out-of-the-Box Solutions The Freedom to Build Anything





We live in a world of digital transactions





Businesses need to deliver *exceptional* digital experiences to achieve





Revenue growth

62%

improvement in revenue disruption



Accelerated productivity

67%

improvement in dev/IT productivity



Satisfied customers

69%

improvement in customer and employee satisfaction





Teams need Al-powered observability





Evolution of observability

Monitoring

- Siloed tools
- Monolithic apps & infra
- Manual processes

Observability

- Tool sprawl
- Cloud native app & infra complexity
- Exponential data growth

Al-powered observability

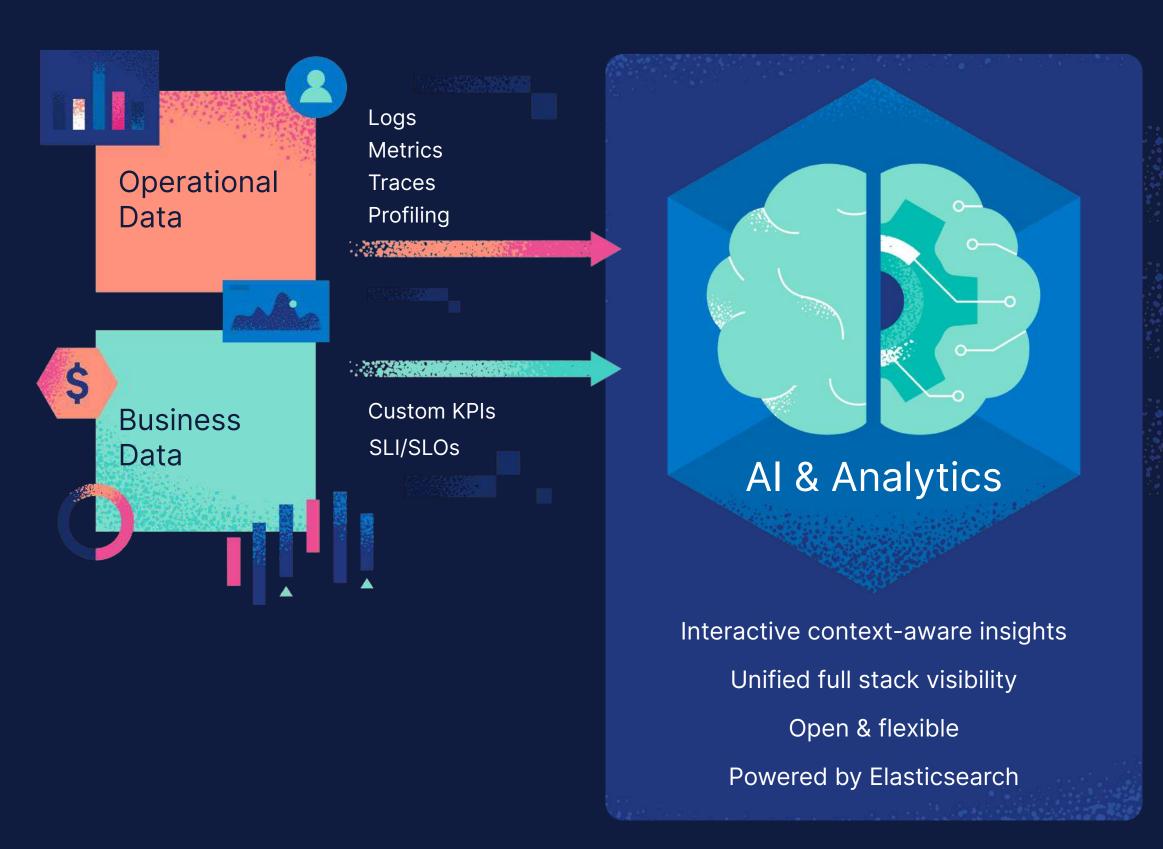
- Unified Visibility
- Open & extensible platform
- Interactive, actionable insights
- AlOps



Meet Elastic Observability







Accelerate Problem Resolution

Get Comprehensive Insights

Drive Operational Efficiency



Unified full stack visibility: Context-aware insights Increase productivity & improve collaboration



Log monitoring & analytics



Cloud & infrastructure monitoring



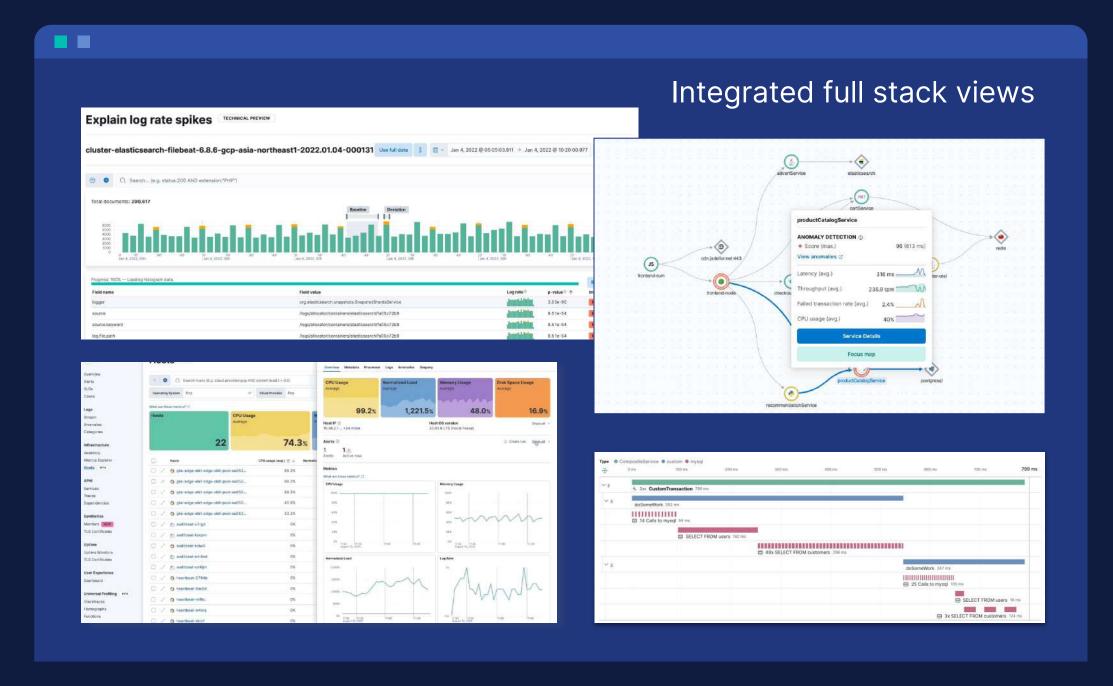
Application Performance Monitoring



Digital Experience Monitoring



Universal Profiling







Open and flexible: Any data, any source Integrate with the technology ecosystem you rely on





Data architecture based on OpenTelemetry



Common data model (OTel + ECS)



API-driven, 350+ integrations



Open ML models, plus bring your own



Future proof your investments





Al & Analytics: Correlate any type of data

Accelerate problem resolution and improve predictability



Anomaly detection & correlations



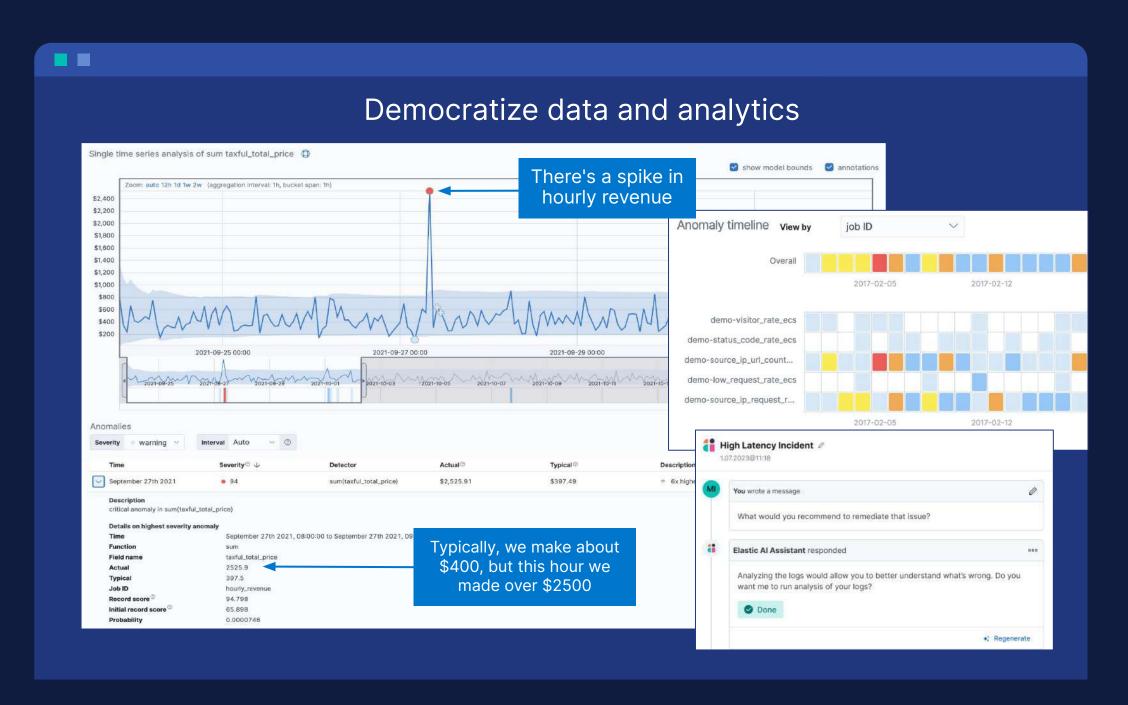
Log categorization



100+ out-of-the-box customizable ML models



Generative Al powered by ESRE

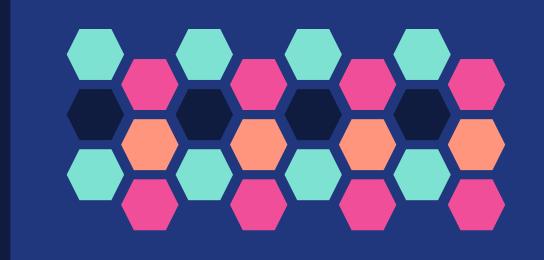


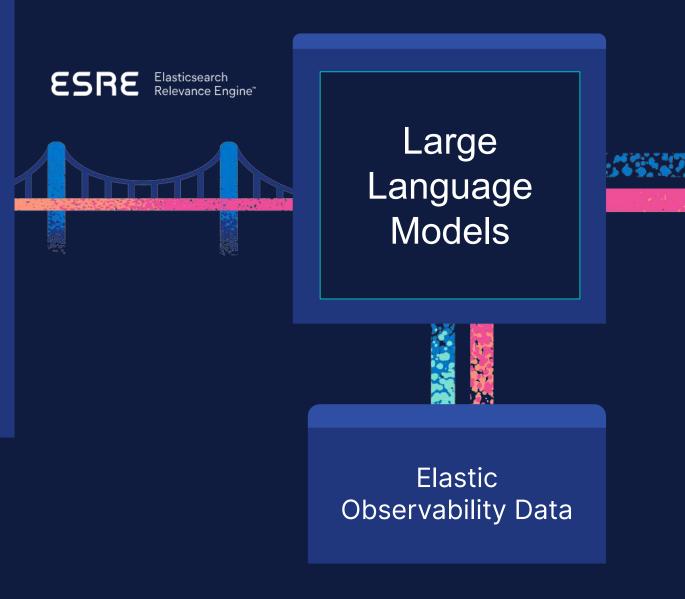


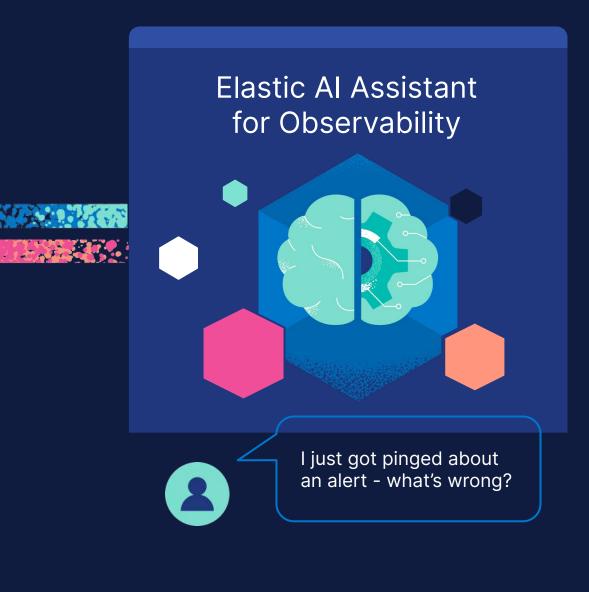


ESRE provides a bridge between private data and generative Al

- Sensitive databases
- Multi-system / cloud information
- Private knowledge bases
- Case histories
- Runbooks





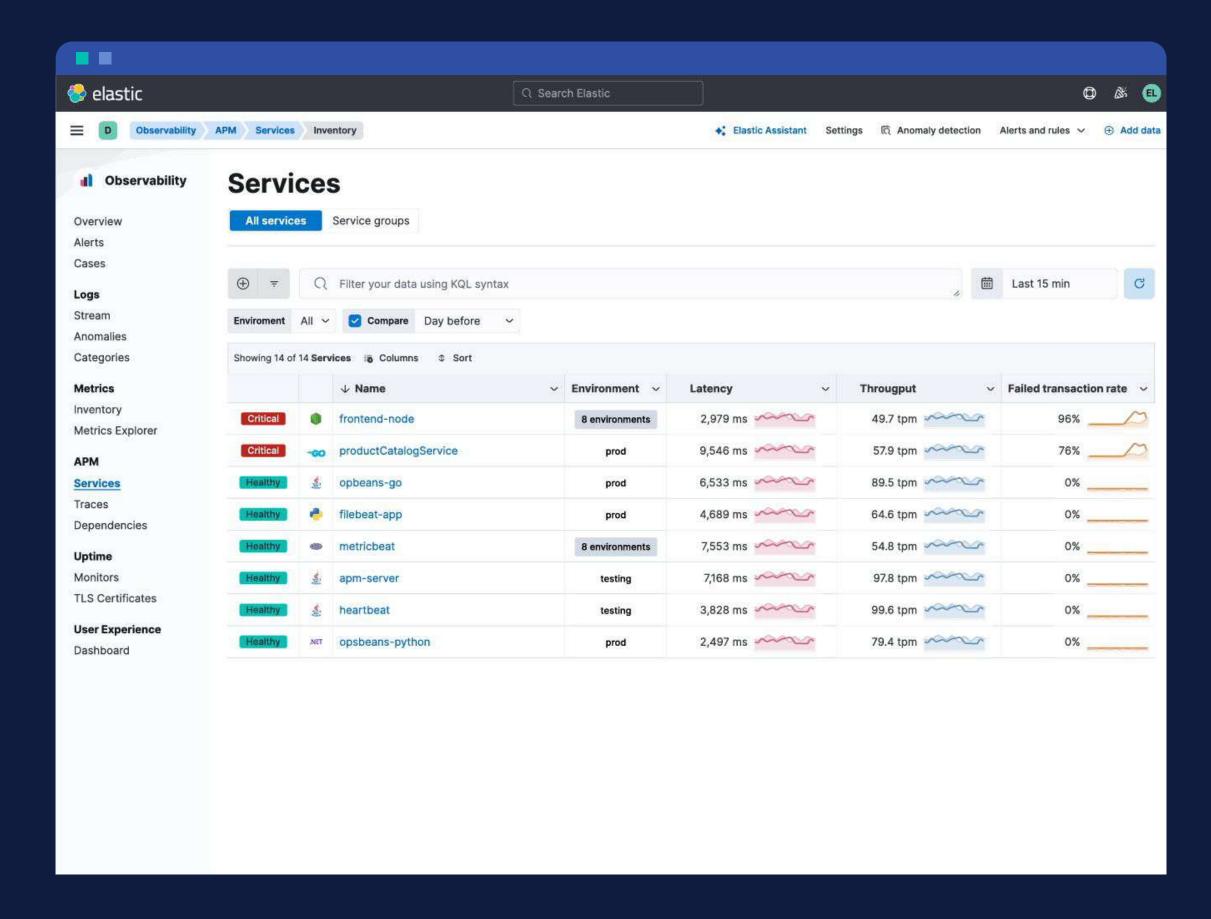




Al Assistant for Observability

Powered by ESRE Elasticsearch Relevance Engine

- Accelerate incident management and root cause analysis
- Interactively explore problems and execute remedies with generative Al
- Context-aware, business-specific output you can trust
- Based on your proprietary data and runbooks





One solution for all your Observability needs



Cloud Migration

End-to-end hybrid and multi-cloud visibility

- Operate at scale
- Automated dependency mapping

Cloud Native

- Cloud, cloud-native integrations
- Insights into serverless, Kubernetes, microservices
- Correlate infrastructure and application

DevOps

- Visibility into software delivery chain
- Compare and troubleshoot releases
- Insights into CI/CD pipeline

AlOps

- Automated anomaly detection
- Interactive investigations with gen Al
- Integrated incident management

Digital Experience

- End user experience measurement
- User journey tracking
- Proactive notification and problem resolution

Tool Consolidation

- Eliminate data silos, better team collaboration
- Future proof with native OTel support
- Low TCO / high ROI



BENEFITS OF

Elastic Observability





Accelerate problem resolution

Al-powered capabilities enable you to correlate across all signal types and gain actionable insights



Get comprehensive insights

Open & extensible platform ensures ubiquitous "full stack" coverage of complex environments



Drive operational efficiency

Unified contextual visibility improves dev/IT productivity and collaboration, and drives business growth









Elasticsearch™ Platform

Scalable economics

- Performant & cost-efficient tiered storage
- Predictable consumption billing

On-prem + cloud

- Flexible deployment options, 50+ global cloud locations
- HA & data locality with cross cluster replication

Single platform

- Observability + security in one platform
- Seamless cross-cluster search & analytics







Don't take

— just our —

word for it





Elastic recognized as a top 3 observability vendor

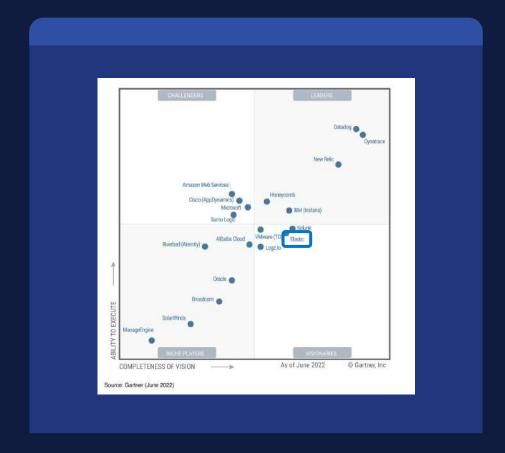
Positive market momentum



Gartner Critical Capabilities

– Top 3 in:

IT Operations, DevOps/Dev, SRE, Digital Experience Monitoring



Gartner MQ for APM and Observability

Visionary



Forrester Wave: AlOps

Strong Performer as first time entrant

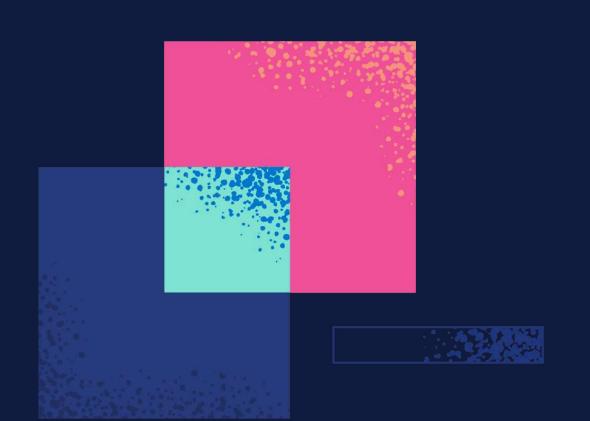








Thank You



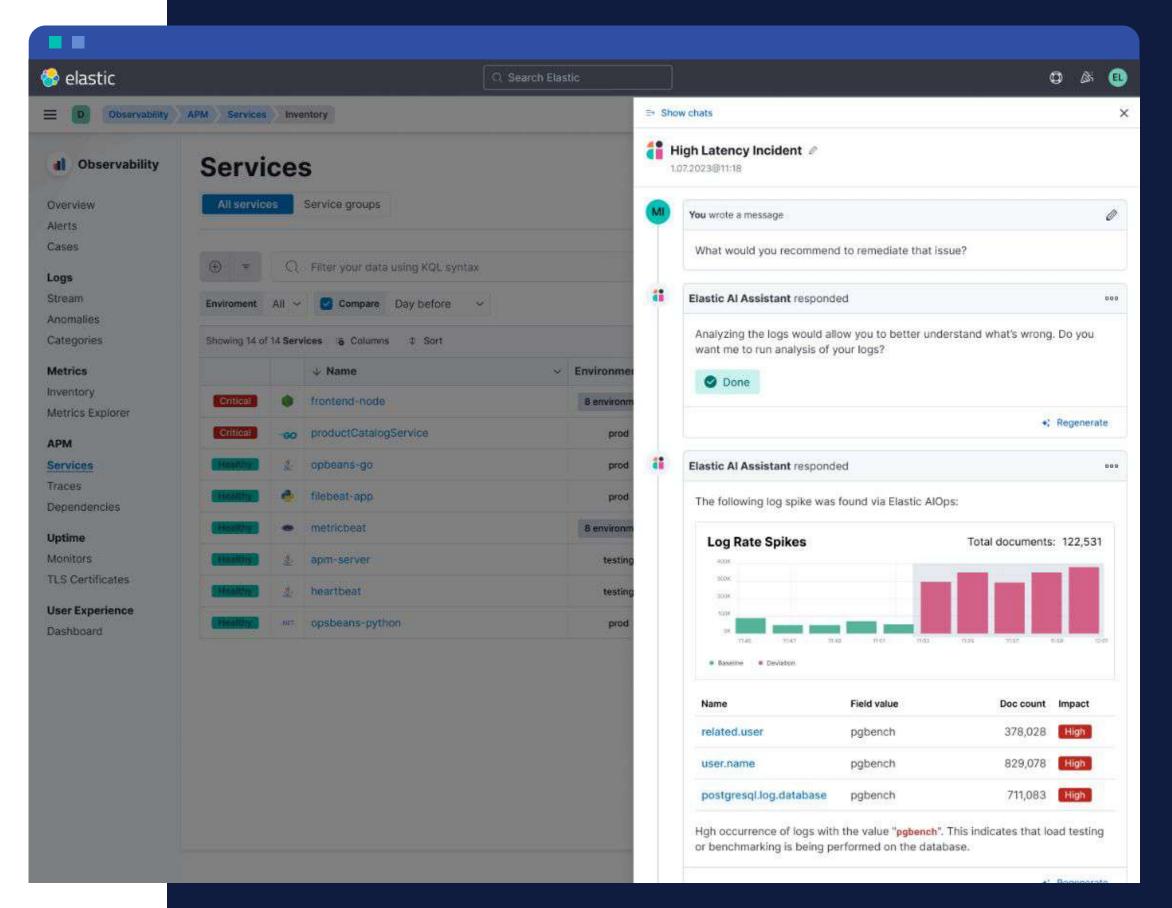




Al Assistant

Powered by ESRE

- Accelerate incident management and root cause analysis
- Interactively explore problems and execute remedies with generative Al
- Open and agnostic to LLMs
- Context-aware, business-specific output you can trust
- Based on your proprietary data and runbooks

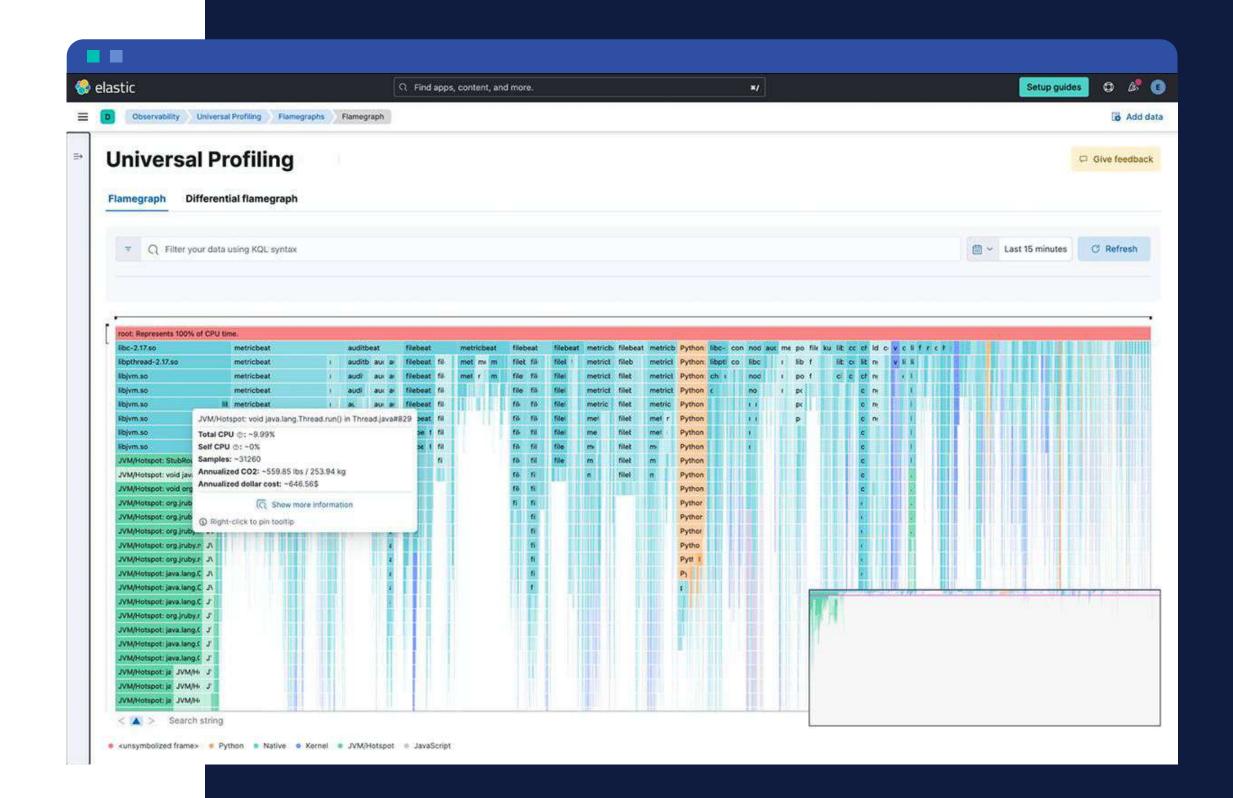






Universal profiling

- Go green with zero-instrumentation whole system visibility across a wide range of languages and containerized environments
- Get "always on" low overhead profiling in production
- Identify inefficiencies and performance regressions in your code and infrastructure
- Eliminate compute waste and reduce carbon footprint

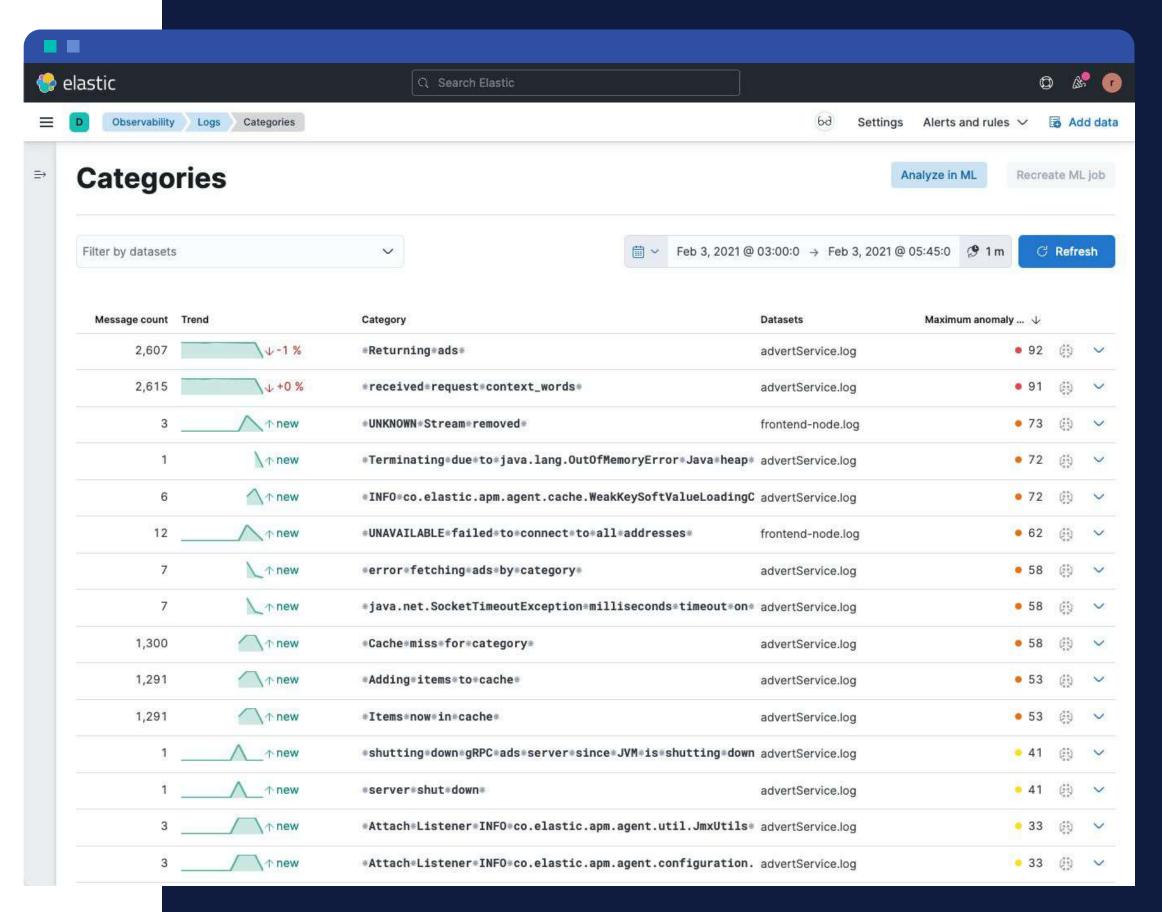






Log analytics

- Al-powered log categorization and anomaly detection to quickly make sense of billions of logs
- Powerful cross cluster search with superior speed, scale and relevance
- Efficient data tiering allowing you to keep all the data you need
- Context and correlation across all signals (logs, metrics, traces & business data)
- Full text search on indexed data
 in milliseconds, not minutes!

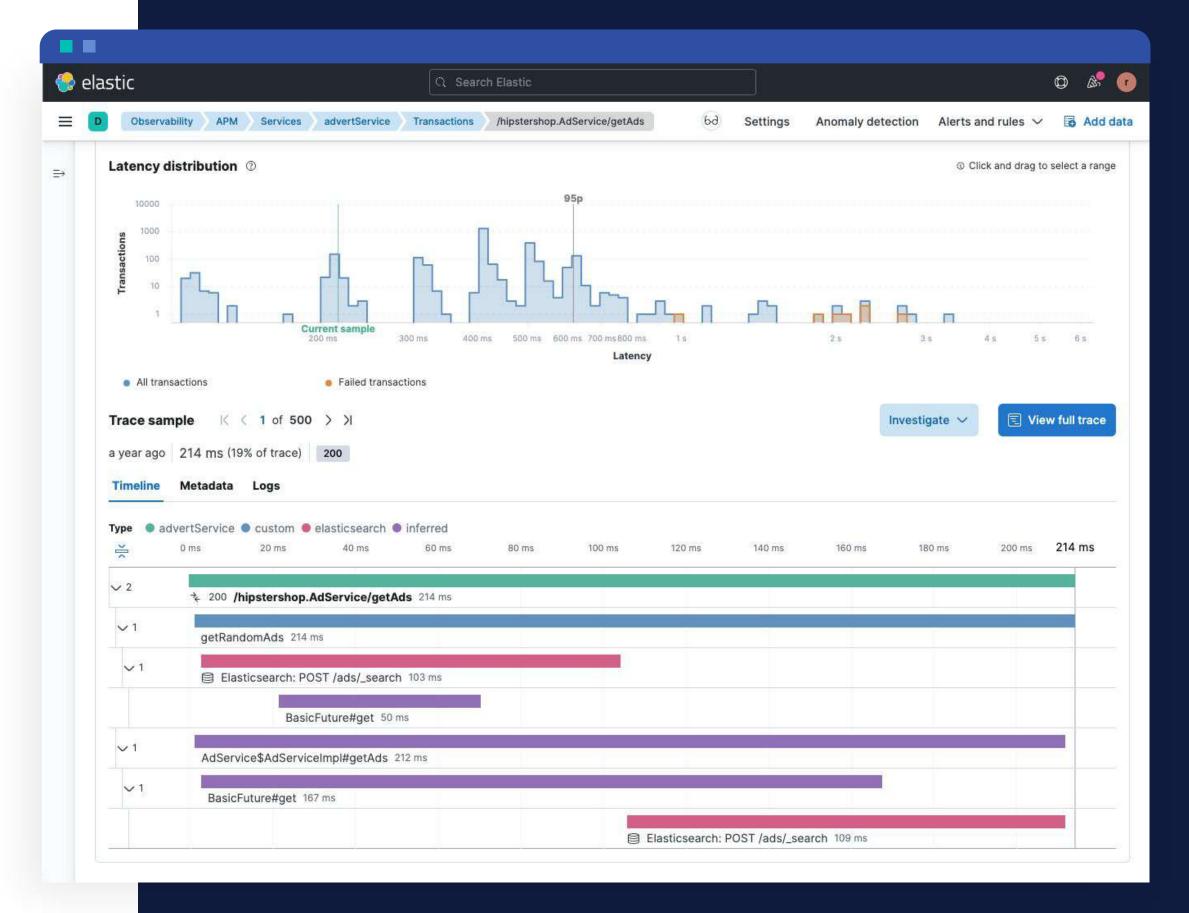






Application performance monitoring

- Improve code quality with end-to-end distributed tracing
- Quickly troubleshoot problems with ML-powered health indicators and anomaly detection
- Identify root cause of slowness and errors with on-demand correlations
- Out-of-the box support for OpenTelemetry and native agents







Unified visibility across all environments

- Insights into cloud native and 3-tier architectures
- 350+ deep and growing integrations on AWS, Azure, and Google Cloud
- Kubernetes (native or cloud deployed)
- Isolate problems quickly across complex architectures

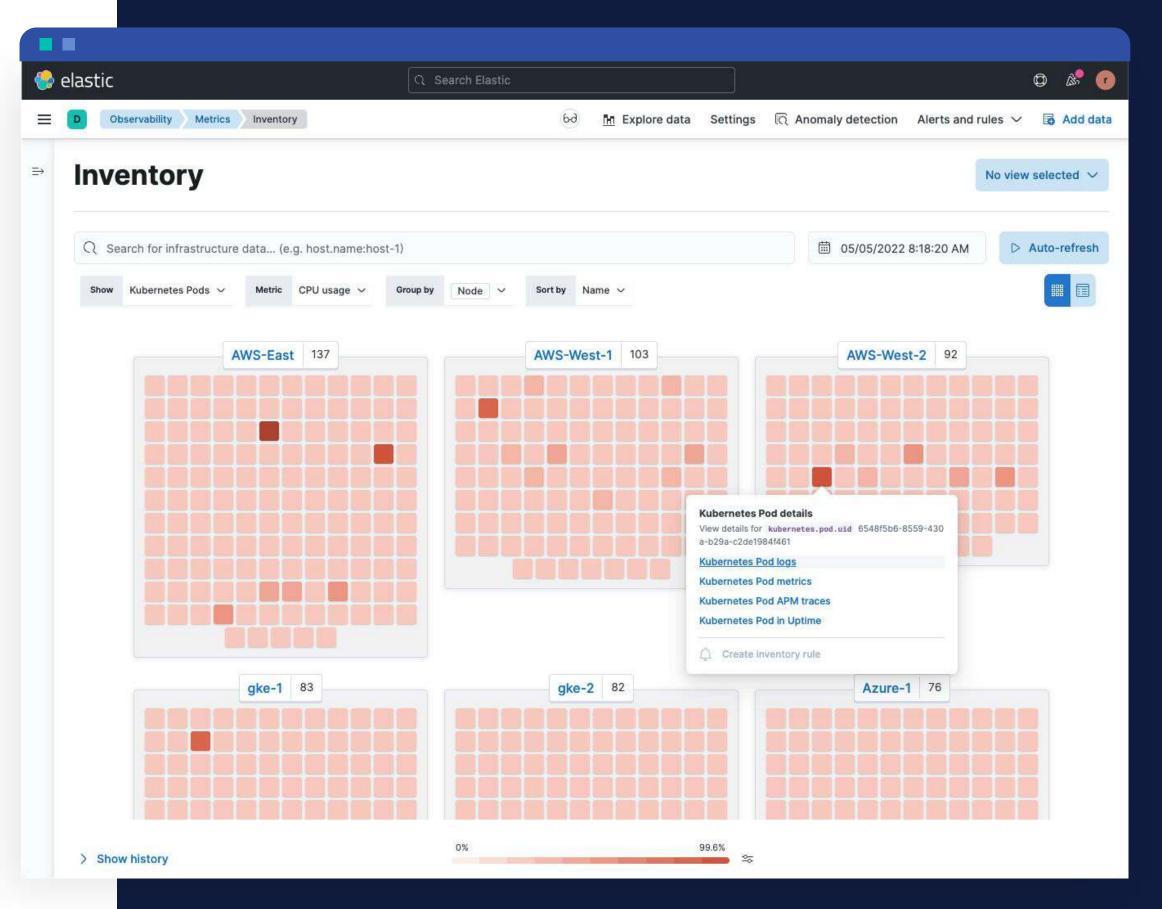










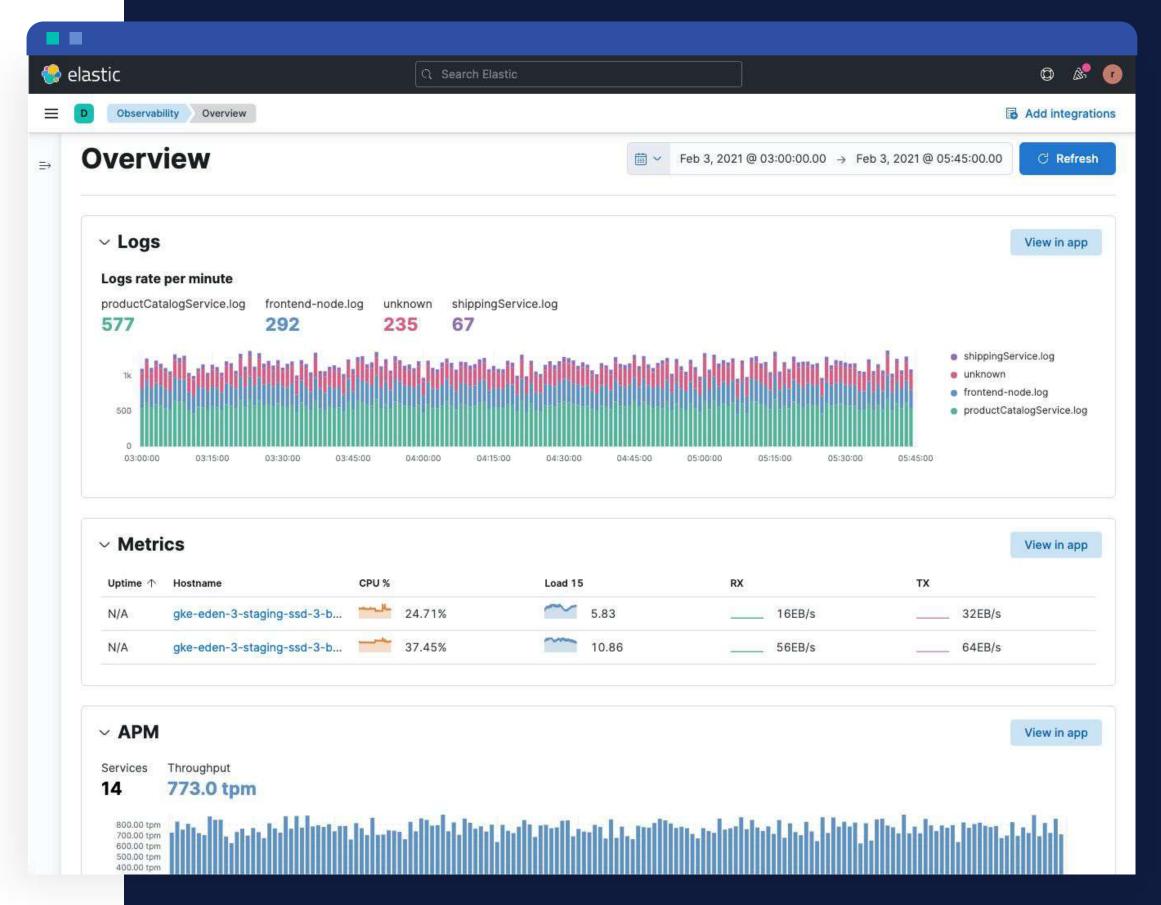






Break down silos with unified observability

- Single platform for all business and operational data
- Correlate metrics, logs, and traces – in context – for faster investigation
- Industry's only open common data model
- Improve cross-team collaboration (ITOps, DevOps, SRE, AppDev)

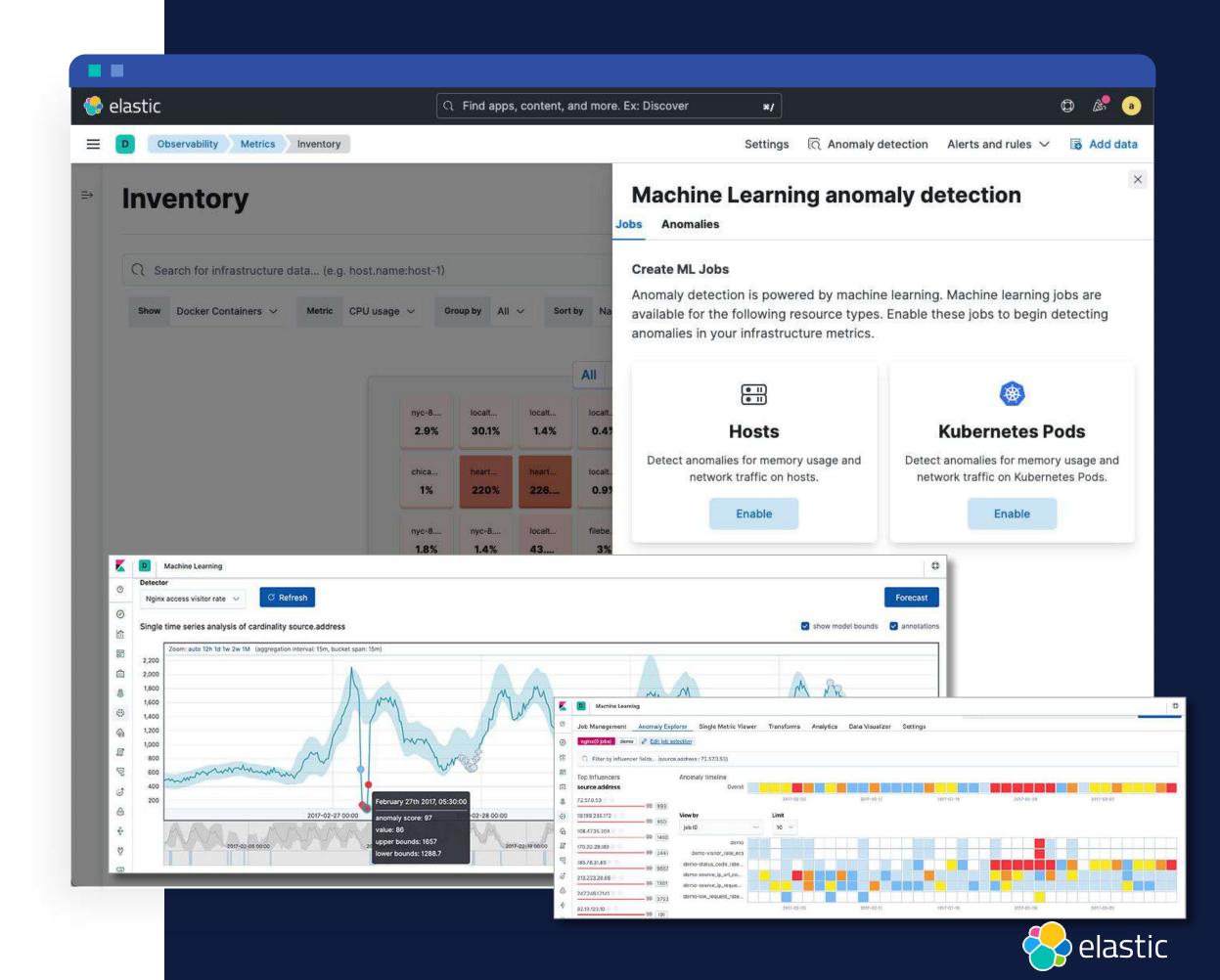






Actionable insights

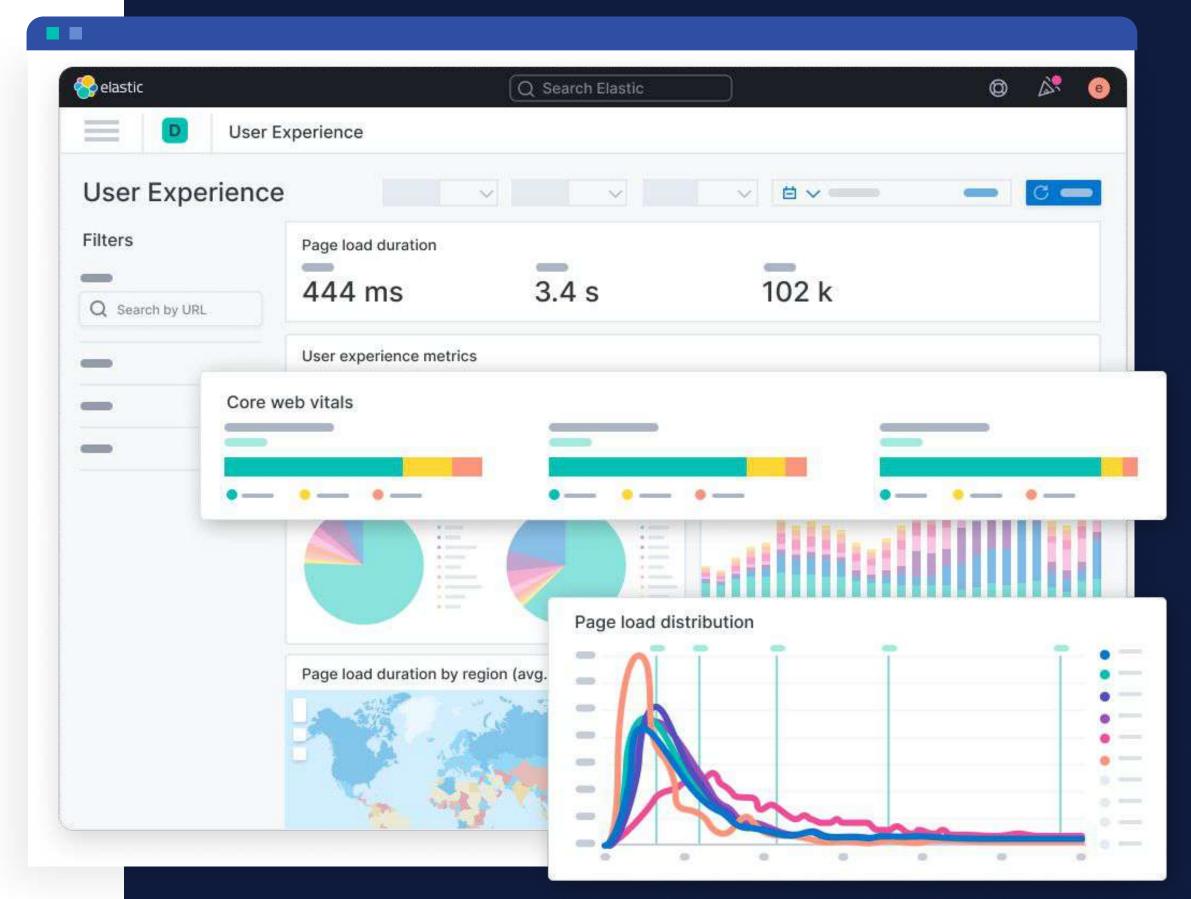
- Zero configuration (built-in) machine learning
- Al-driven anomaly detection and root cause analysis across all observability data
- Automatic APM correlations to find root causes
- Powerful search for "unknown unknowns"
- Reduces MTTD and MTTR





Gauge digital experience

- Track infrastructure, application and business trends over time
- Measure customer experience and proactively verify user journeys
- Resolve problems with tracing from the front end to the back end
- Establish SLOs and measure SLIs and SLAs







Simplify data ingest at scale

- Single agent for logs, metrics, and traces
- Central agent management with Fleet
 - Supports thousands of agents
 - One-click runtime policy changes and upgrades
- 350+ out-of-the-box integrations, many with dashboards and visualizations

