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Elastic Observability

Transform your telemetry data into actionable insights. Ingest all of your application, infrastructure, and user digital experience data with high cardinality, correlated and in context, and analyze it in real time for fast root cause analysis and problem resolution. Detect performance anomalies before your users do by getting complete visibility into your application environment.

Take application performance and developer productivity to the next level.

Open, extensible observability built on search

Converge silos with the most widely deployed observability platform available, built on Elastic Stack. Gain unified visibility and actionable insights. Ingest and analyze all of your telemetry data on a scalable platform that's built for speed.

Visibility across multi-cloud and hybrid cloud environments

Consolidate metrics, logs, and traces quickly and easily from applications and systems in data centers or on cloud providers such as AWS, Microsoft Azure, and Google Cloud. Our cloud-native integrations enable you to seamlessly adopt cloud-native and microservice technologies such as Kubernetes and serverless functions.

Quick and easy collection of telemetry data

Eliminate data and tool silos. Ingest business and operational data with the unified Elastic Agent, Elastic integrations, and native support for open standards such as OpenTelemetry, Jaeger, Zipkin, and Prometheus. Consolidate monitoring tools and tear down tool silos while efficiently storing long-term data to analyze historical trends while lowering your TCO.

Anomaly detection for proactive insights

Get insights into your user, application, and infrastructure data out of the box with no configuration work necessary. Built-in anomaly detection, powered by machine learning, automatically detects issues, alerting operations teams with contextual data for faster problem resolution. Machine learning can be easily applied to any data ingested into Elastic, allowing you to detect outliers and even forecast future trends.

Application performance data correlated and in context

Perform interactive analysis — searching, drilling down, pivoting, and visualizing — or automated analysis —alerting, and anomaly detection — across all of your APM data, in context, making it easy to understand correlation and causation across different types of telemetry data.

Powerful and flexible analytics to explore your data

Whether you're searching for the "unknown unknowns" or using powerful ad hoc visualizations and analysis in Kibana, Elastic Observability provides the speed, flexibility, and context that you need. Run wild with dimensions, tags, cardinality, and fields. Quickly explore metadata attributes — host names, IP addresses, even custom tags — at scale, in any way you like, in any order you like, in the visualization you like.

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Scalable, centralized log monitoring for hybrid cloud
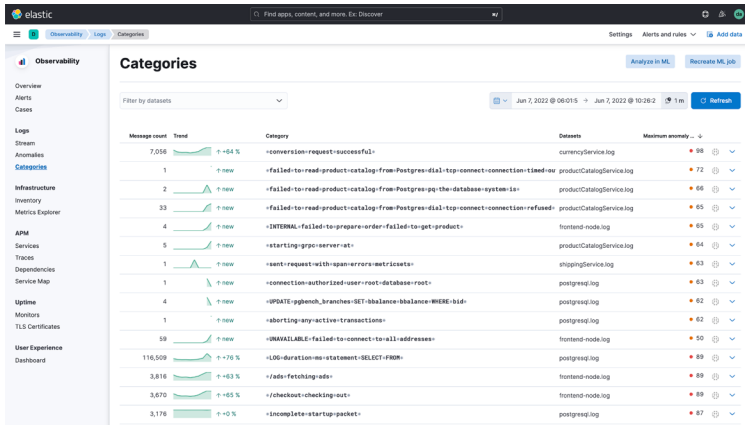
Search across your log data from a single console for real-time streaming logs or leverage machine learning for quick detection and correlation of anomalies. Elastic is the recognized industry leader in log monitoring with the broadest and most comprehensive set of log data sources in the industry.

Get insights from your logs in minutes

The Elastic Agent makes it fast and easy to deploy log monitoring, turning unstructured data into valuable assets by parsing, transforming, and enriching logs for many use cases. Uniform data modeling with Elastic Common Schema (ECS) helps you normalize and understand data, regardless of source.

Our log monitoring application helps you:

- Deploy and manage logs at petabyte scale
- Search across all your telemetry data to eliminate blind spots
- Perform real-time troubleshooting with a live tail of the logs from your entire ecosystem
- Detect patterns and outliers to isolate performance issues

Faster development cycles with improved application code
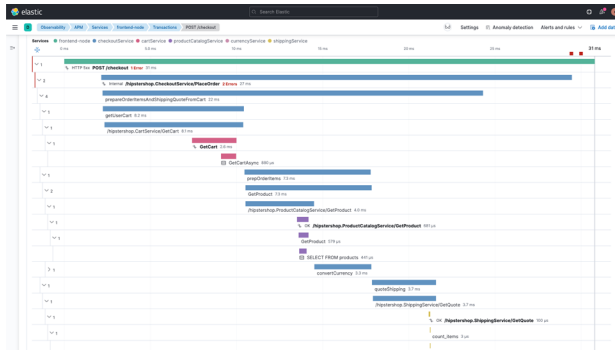
Integrate APM capabilities with your logs and system metrics in context to quickly correlate and identify the root cause and resolve issues. Get deeper visibility into your applications via dependency mapping and distributed tracing with extensive support for popular languages and frameworks, along with native support for OpenTelemetry.

Deploy code with confidence

Capture and analyze distributed transactions spanning microservices and monolithic architectures. Identify performance issues with automated and curated visual representation of all dependencies, including cloud, messaging, data store, and third-party services. Simplify the investigation of distributed architectures with automatic anomaly detection powered by machine learning.

Our application performance monitoring (APM) capabilities help you:

- Improve code quality with end-to-end distributed tracing
- Quickly identify application problems with automated correlation detections
- Automate anomaly detection for instant root cause analysis
- Adopt developer-friendly, open standards for data sources like OpenTelemetry and Jaeger
- Accelerate the application delivery lifecycle from pipeline to production

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Adopt cloud-native architectures with confidence
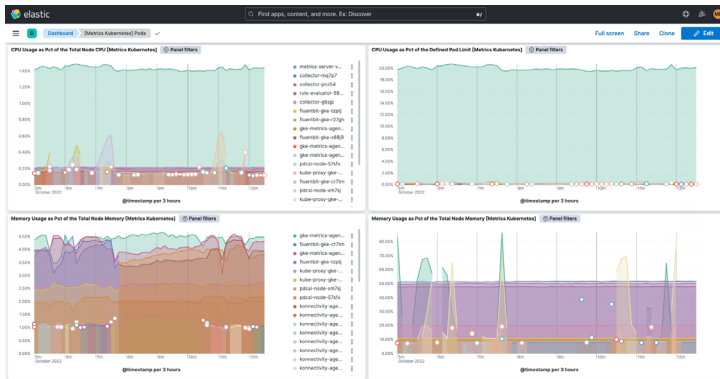
Seamlessly monitor your infrastructure with support for Kubernetes, serverless and hundreds of integrations with cloud platforms such as AWS, Microsoft Azure, and Google Cloud, or databases, services, and message stores.

Accelerate troubleshooting with infrastructure observability

Automate the collection and management of your monitoring data at enterprise scale, using the unified Elastic Agent with centralized management. Get observability across cloud and hybrid environments, with all-in context visibility into hosts, VMs, serverless, cloud services, containers, Kubernetes, network, devices, logs, events and more — with ML-powered answers.

Our infrastructure observability capabilities helps you:

- Gain augmented observability at scale for your entire infrastructure
- Explore all your monitoring data with our powerful search platform
- Break down silos with full stack visualizations and preconfigured dashboards
- Detect anomalies in key performance metrics and automate incident management
- Extend observability through native OpenTelemetry support or custom logs

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Track application availability and user journeys around the clock
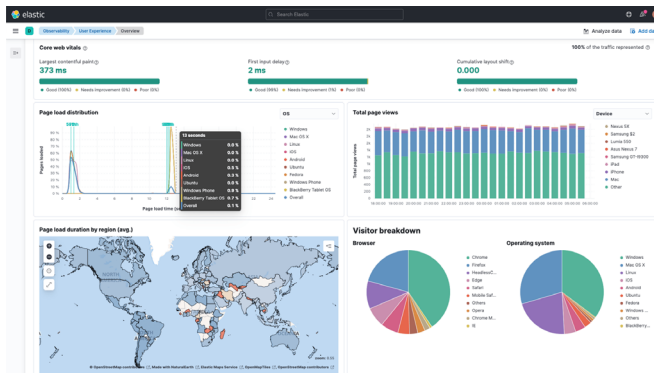
Improve customer experience by proactively monitoring the performance and availability of application services through customer journeys. Better understand the impact of web and front end performance on user experience. Get complete visibility and detect problems with service performance and ensure the availability of your critical business flows.
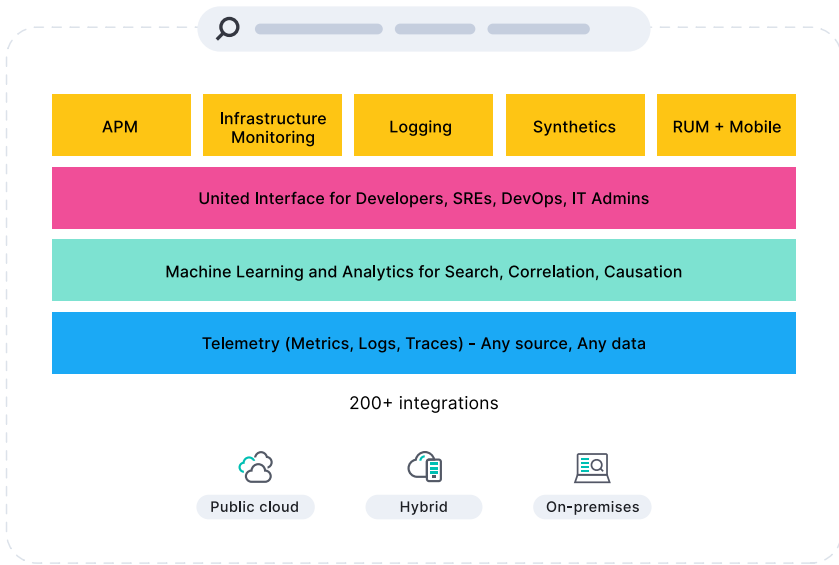
Deliver exceptional customer experiences

Is your site up and available? Are visitors leaving due to long load times? Our real browser based monitors allow you to simulate the user experience across multi-step journeys like the checkout flow or login process. Lightweight API checks enable globally scalable availability monitoring without breaking the bank. Give your team the context they need to go well beyond just checking status codes during outages. Easily report the uptime and reliability of your services for SLOs and SLAs to stakeholders with real-time insights.

Our uptime and synthetic monitoring capabilities help you:

- Monitor availability of your services from external endpoints
- Test user journeys to deliver a great customer experience
- Trace mission-critical issues across your application environment
- Track and deliver on your SLIs and SLOs management

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Full-stack observability, all on a unified, open and extensible platform

APM	Infrastructure Monitoring	Logging	Synthetics	RUM + Mobile

United Interface for Developers, SREs, DevOps, IT Admins

Machine Learning and Analytics for Search, Correlation, Causation

Telemetry (Metrics, Logs, Traces) – Any source, Any data

200+ integrations

Public cloud   Hybrid   On-premises

Validated by the best

Emirates NBD   SITECORE®   De Watergroep
WATER. VANDAAG EN MORGEN.

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Let's take on your biggest observability challenges

Want to check out Elastic Observability for yourself?

Elastic Cloud is the best way to consume all of Elastic's solutions across any cloud - securely and at scale. Get started today with a free trial at **ela.st/obs**, or visit the Amazon Web Services, Google Cloud, or Microsoft Azure marketplaces to deploy in minutes.

Or spin up your own free and open deployment with no time or size restriction.

Start Free Trial →

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