

Elastic Stack v5.0.0

An update on the exciting new release - Kibana, Elasticsearch, Beats, Logstash, X-pack

* Up to alpha 3 only - more coming!

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Helping you make your data usable in real-time to power mission critical applications that solve today's real problems







60,000+
Community
Members

45,000+
Open Source
Product Commits

2,000+
Subscription
Customers











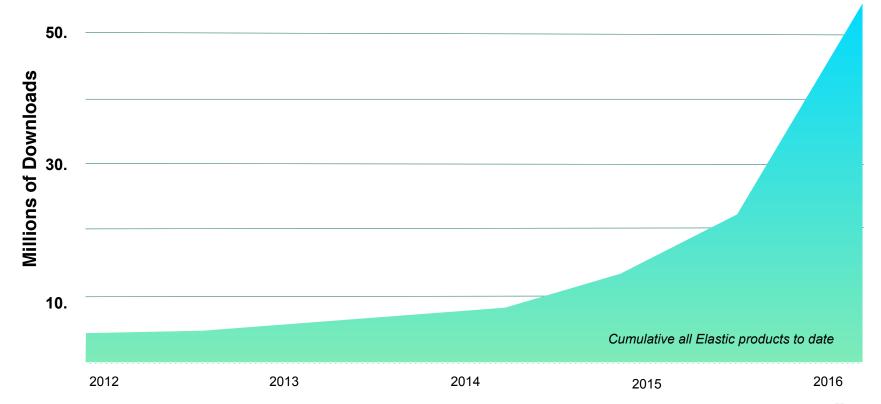








55+ Million Downloads (and growing)!





Global Customer Base

Tech **Finance**



















































Solving Real Problems













"Improving patient care with real-time clinical decision making." "Combating our global human trafficking problem." "Mining 3-4 billion events per day to ensure security intelligence." "Care free deployments using Hosted Elasticsearch." "Many use cases from trade optimization to compliance to HR recruiting."



Great tools exist but they don't meet today's key requirements for building distributed applications









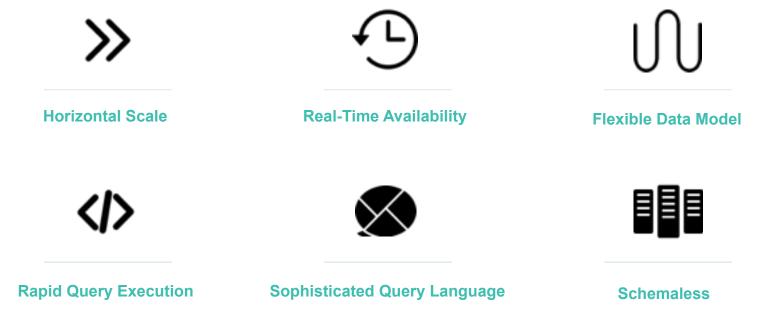
High scale, batch, not real-time

Structured data, complex joins, not unstructured data

Key/value stores, schemaless, lack of analytical capabilities Single use case, not built to support multiple use cases



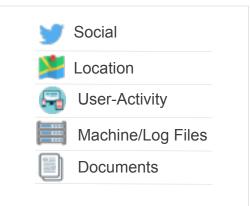
Today's Developer Requirements





Elastic Makes it Easy to Build Distributed Applications

DataComplex/Diverse



Use Cases

Many users/use cases



Value/Impact

Short/mid/long term



Launch new applications, Monetize services; Personalize user experiences



Next generation architecture; Retool existing systems; manage risk and compliance

Meets Developer Requirements







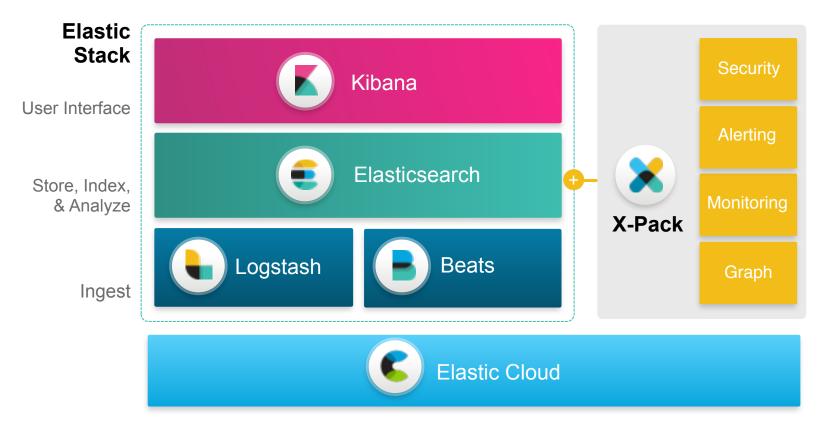








Our Product Portfolio





Solving Many Use Cases Within Any Organization













IT Operations
Application Management
Security Analytics

Marketing Insights
Business Development
Customer Sentiment

Website/App Search
Internal/Intranet Search
URL Search

Security

Log Analysis

Analytics

Search

Internal Systems/Applications

External Systems/Applications

Developers

IT/Ops

Business Users



elasticsearch



Distributed & Scalable

- Resilient; designed for scale-out
- High availability; multitenancy
- Structured & unstructured data

Developer Friendly

- Schemaless
- Native JSON
- Client libraries
- Apache Lucene

Search & Analytics

- Real-time
- Full-text search
- Aggregations
- Geospatial
- Multilingual

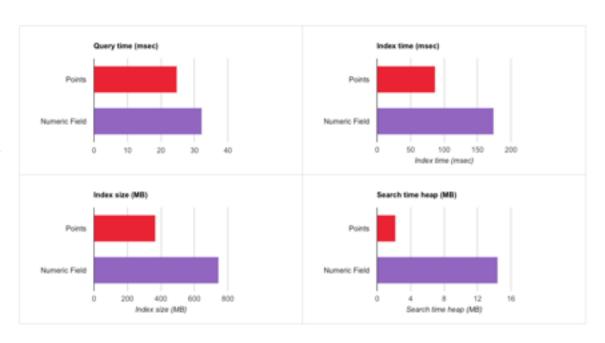


Update to Lucene 6



Dimensional Fields

- Half the disk space
- Twice as fast to ingest
- 25% faster to search
- For numeric and geospatial fields only







Painless is a simple, secure scripting language

- Replaces the old Groovy script feature, similar but now also secure
- Created just for Elasticsearch
- Up to 10x as fast





Ingest in the cluster

- New node type: Ingest Node
- From Beats directly to Elasticsearch
- Implements the most popular Logstash filters

Migration Helper

- Cluster checkup before upgrading
- Reindex helper for 1.x indices
- Deprecation logging

Indexing Performance

- New locking method increases small-document indexing up to 15-20%
- New fsync method for ingestion speed increase





Dots in Field Names

We brought them back

Delete by Query

Back to core







Discover Insights

- Explore and analyze patterns in data; drill down to any level
- Leverage powerful analytical capabilities in Flasticsearch

Customize & Share

- Create bar charts, line and scatter plots, maps and histograms
- Share and embed dashboards into operational workflows

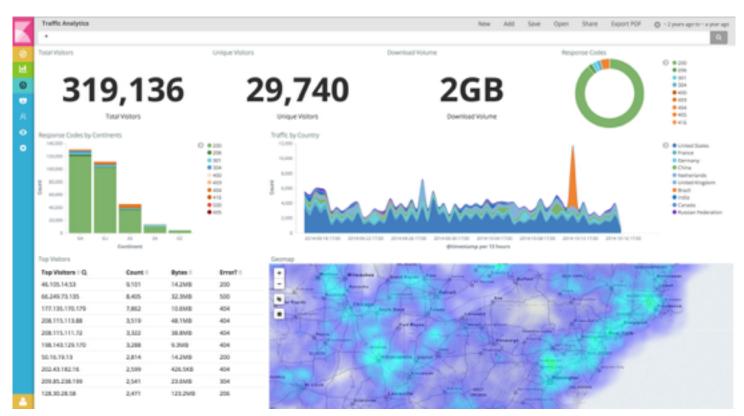
A UX Platform to Build Apps

- Pluggable architecture; create dashboards and visualizations as apps
- Session management, user roles, security integration



Full GUI redesign

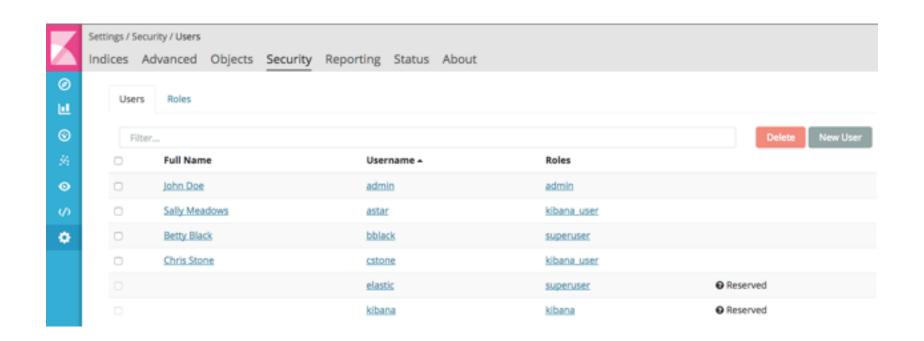






Manage users and roles right in Kibana







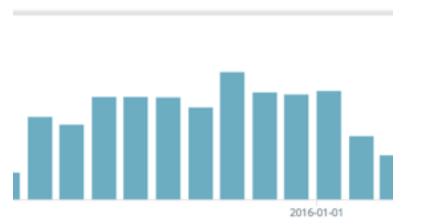
Reporting!



Export PDF

PDF Reports

- Ad-hoc export of dashboards to PDF for easy sharing
- Automate & email to the enterprise!



Open

New

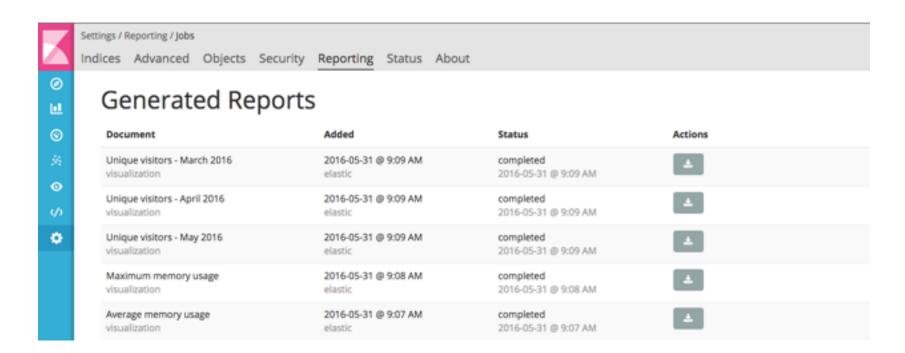
Save

Share



Queue & store PDF reports







logstash





- Data collection and enrichment; 200+ plugins
- Next generation data pipeline; micro-batches, process groups of events

Monitoring API

- Monitor Logstash instances remotely
- Will integrate with Monitoring (Marvel) soon

IPv6 support

- GeoIP database now supports IPv6
- IPv6 support in line with Elasticsearch's new support





Settings File

- logstash.yml
- More in line with other Elastic Stack components

Plugin Generator

- Make is easy to start developing plugins for Logstash
- Bootstraps a new plugin with directories and templates

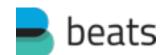
Stats API

 The Stats API shows CPU usage, file descriptors and other process information useful in Production









- Platform to build lightweight, data shippers
- Forward host-based metrics and any data to Elasticsearch

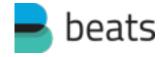
TCP/IP Flows

- Explore and analyze patterns in data; drill down to any level
- Leverage powerful analytical capabilities in Flasticsearch

Kafka Output

- Create bar charts, line and scatter plots, maps and histograms
- Share and embed dashboards into operational workflows





MetricBeat

- MetricBeat is a framework that supports Beats that get their information from services, like Nginx, MySQL, Apache and many more.
- Replaces Topbeat

Filtering

 You can now filter events right in the beat-level, reducing data volumes right at the source



Lightweight Data Shippers



Libbeat

Library for forwarding host-based metrics to Elasticsearch

Filebeat

Next-generation Logstash forwarder to collect, pre-process, and forward log files.

Packetbeat

Real-time network packet analytics for web, database, and any network protocols

Winlogbeat

System, application, and security information from Window event logs

MetricBeat

Generic Beat framework for monitoring services running on servers.

{Community}beats

We see a lot of Beats from the community!



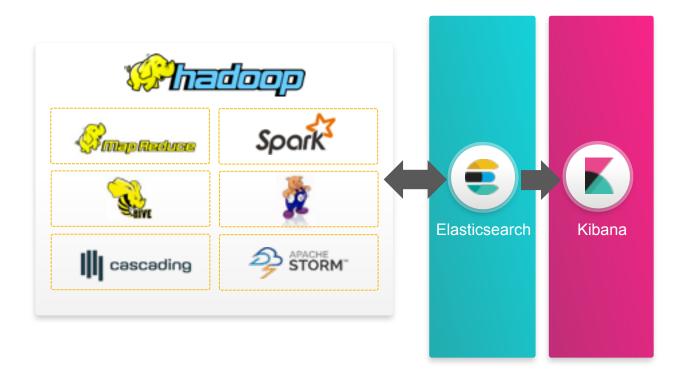
Elasticsearch for Hadoop

Index directly into Elasticsearch from Hadoop

Query Elasticsearch from Hadoop

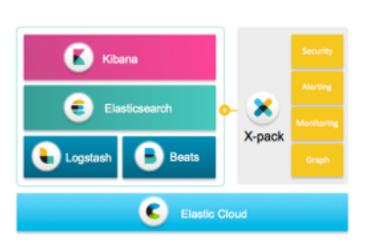
Backup Elasticsearch to HDFS

ES-Hadoop 5.0 will work with Storm 1.x, breaking compatibility with Storm 0.9.x

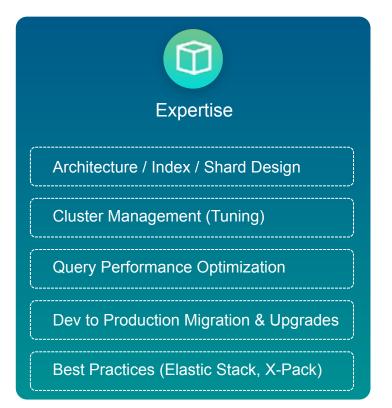




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Elastic Subscription Packages

PRODUCTS Development Gold Platinum **Elastic Stack Elastic Stack Elastic Stack** • X-Pack X-Pack X-Pack Alerting Monitoring Alerting Monitoring Security Security Alerting Monitoring Security (Shield) (Watcher) (Marvel) (Shield) (Watcher) (Marvel) (Watcher) (Marvel) Document level security Custom Realms **EXPERTISE**/ Unlimited Unlimited Unlimited **SUPPORT** Support requests Support requests Support requests Named support contacts Named support contacts Named support contacts 2 business days 4 hours 1 hour response time response time response time For critical issues For critical issues



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Target of 20-25 students per course (max of 25)

Delivered by 2+ instructors per course

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OEM Partners

Embedding Elasticsearch support and plug-ins in core product and solution offerings

















Thank You

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