Kibana Lens

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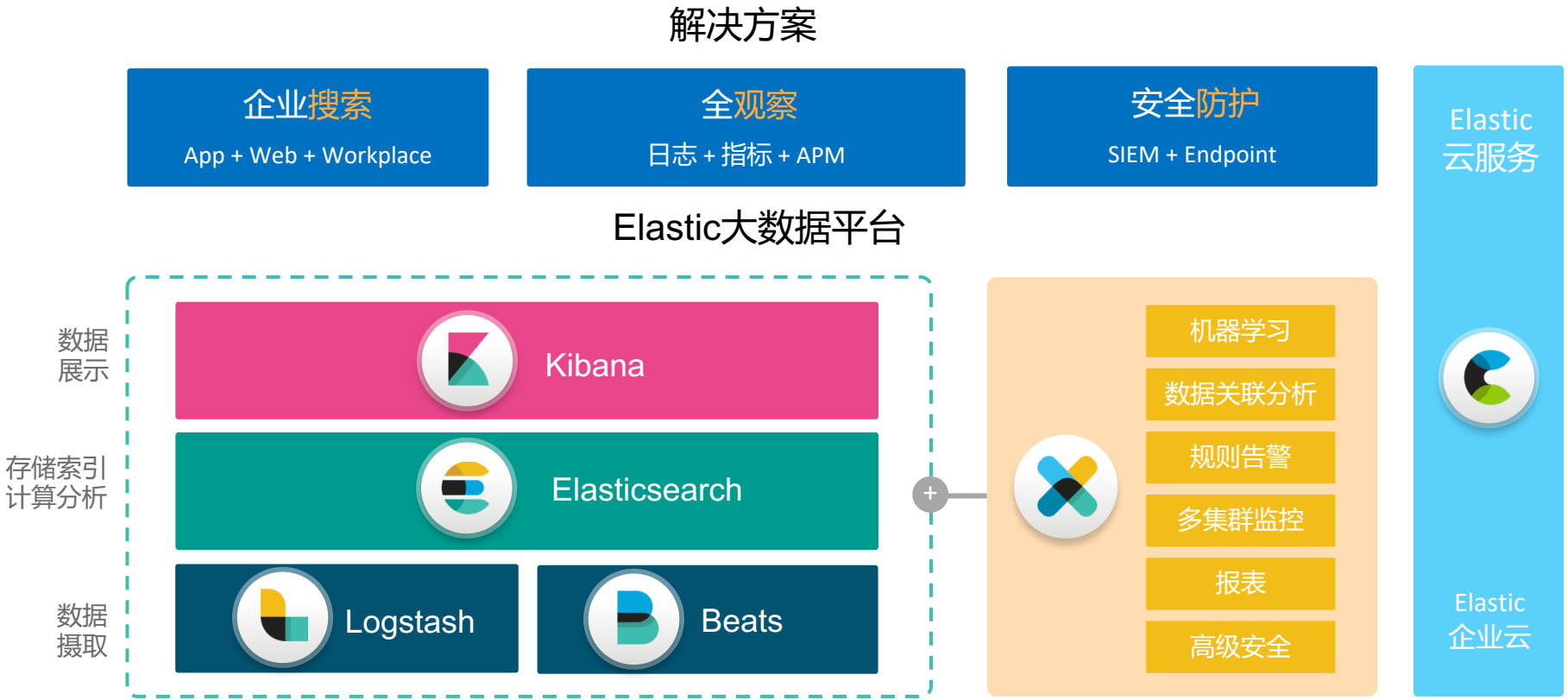
主题

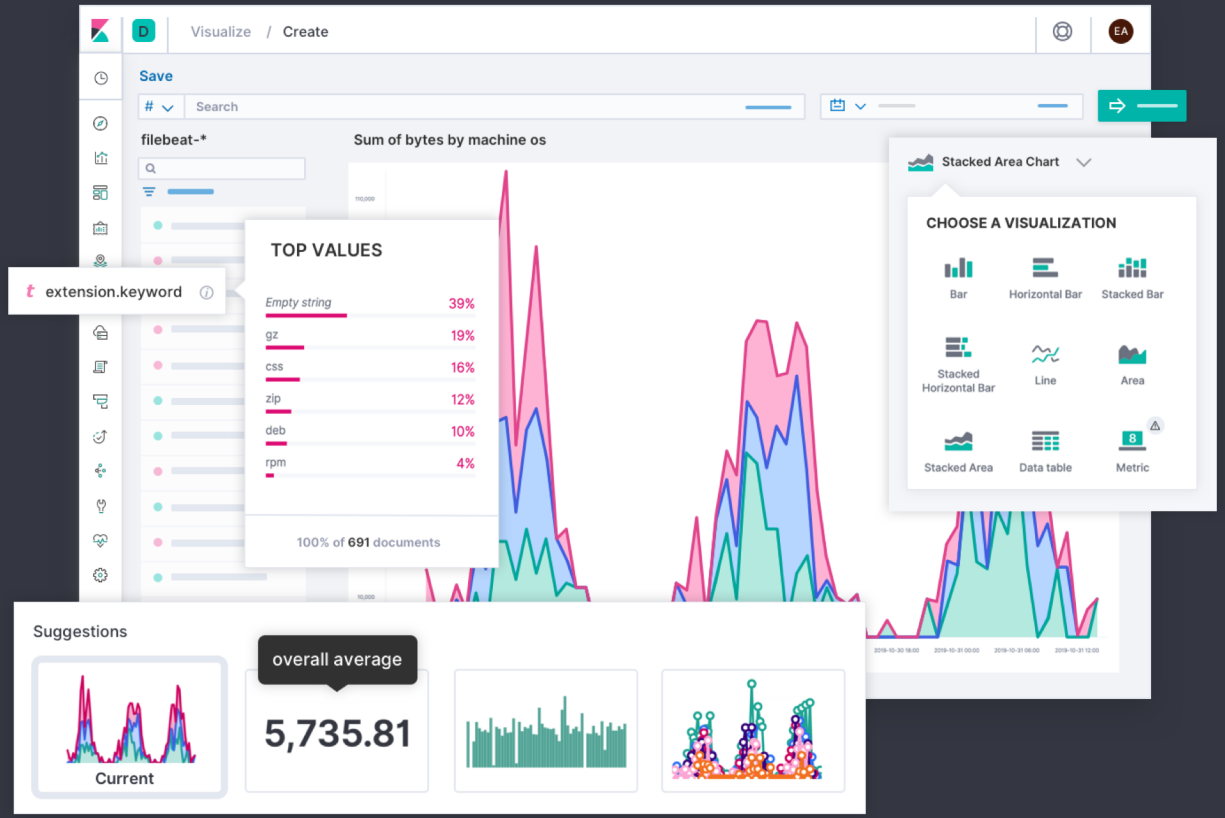
- Elastic 产品概览
- Lens
  - 背景
  - Lens 目标
  - Lens 关键概念
- Demo
- 未来展望
- Q&A

Elastic 产品概览



Kibana Lens

在Kibana中简单而直观地可视化分析数据



多年以前Kibana 用户

用例

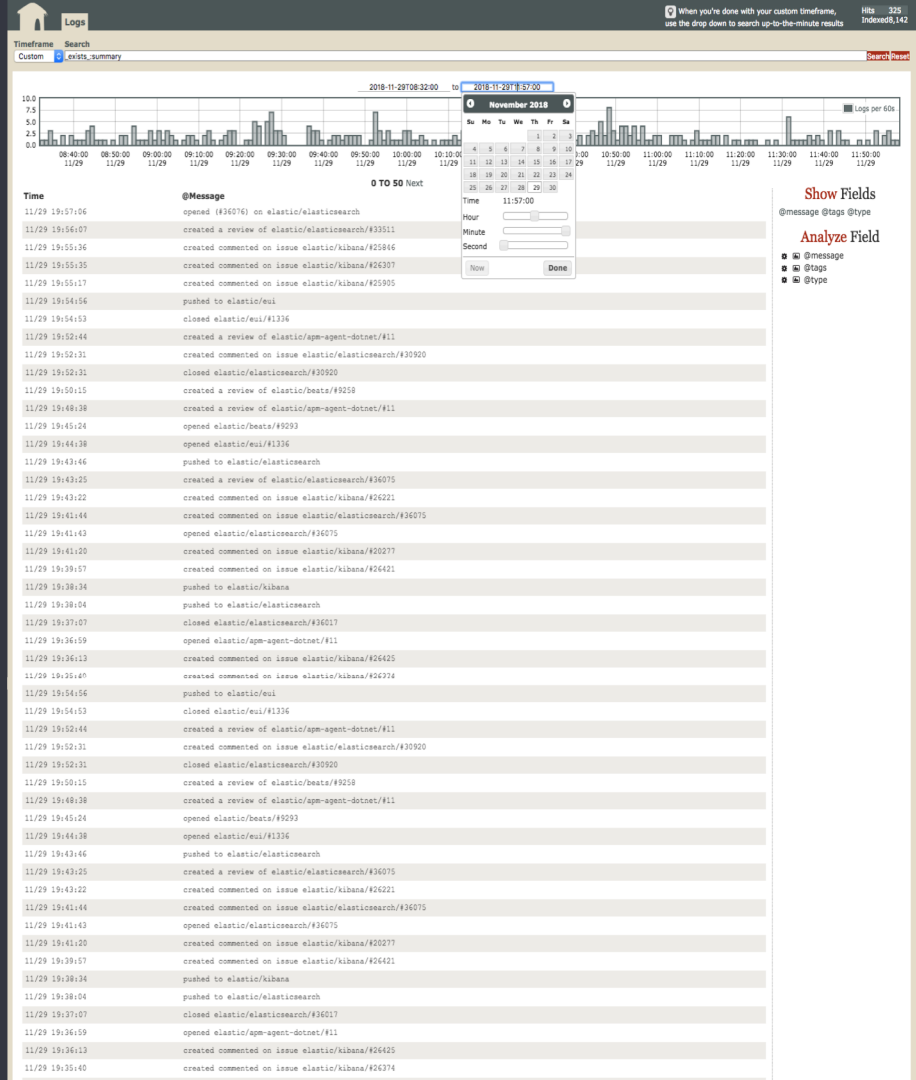
- 主要用来分析日志和运维分析

角色

- 最早被开发者和工程师采用

技能

- 熟悉 Elasticsearch主要都是技术背景



现在Kibana用户

用例
商业分析，地理，安全分析，指标，日志，
其它更多

角色
- 从开发者到商业分析的都有

技能
- 多样化的

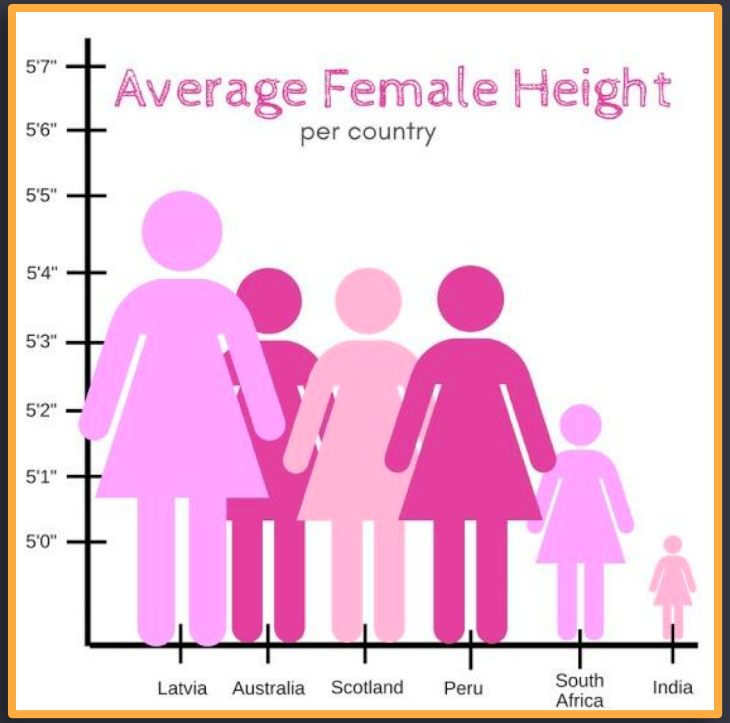
数据可视化的挑战

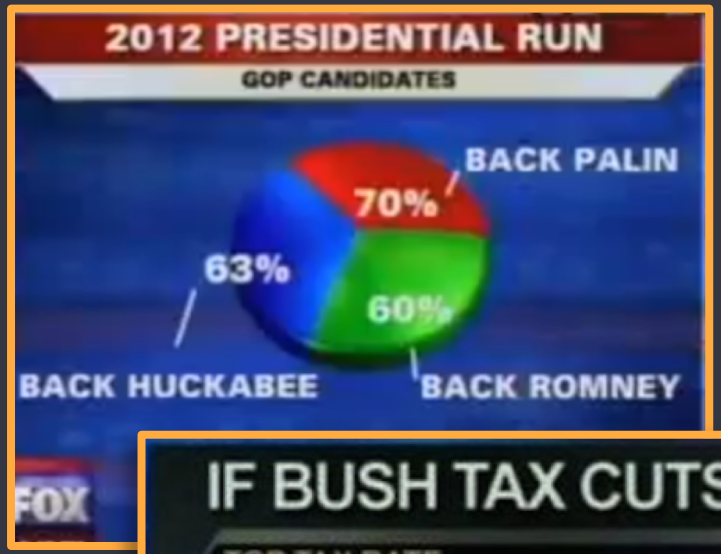
用户不熟悉他们的数据

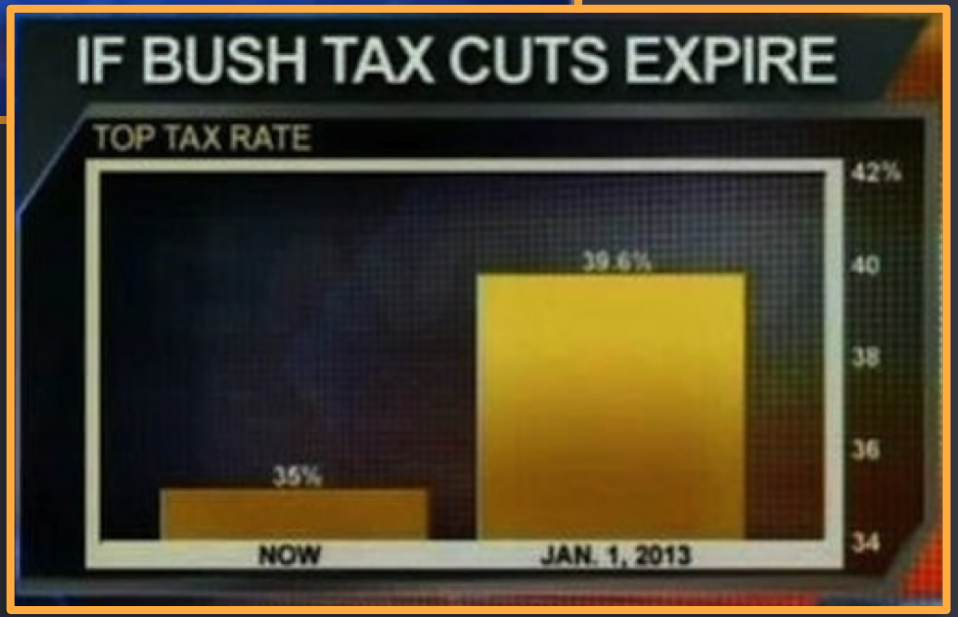
用户难以将问题转换为一个可视化

如何有效的可视化数据

领域专业知识 vs 数据分析知识


Average Female Height
per country
5'7"
5'6"
5'5"
5'4"
5'3"
5'2"
5'1"
5'0"
Latvia
Australia
Scotland
Peru
South Africa
India

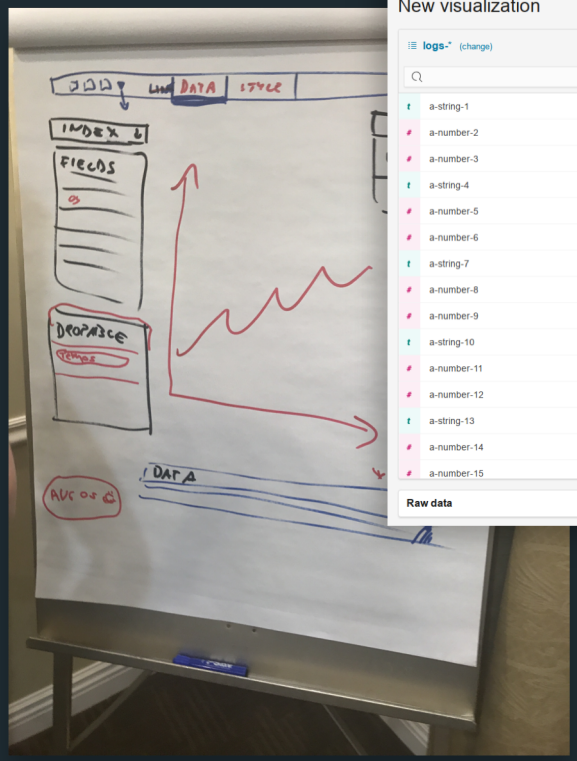

2012 PRESIDENTIAL RUN
GOP CANDIDATES
BACK PALIN
70%
63%
60%
BACK HUCKABEE
BACK ROMNEY
FOX

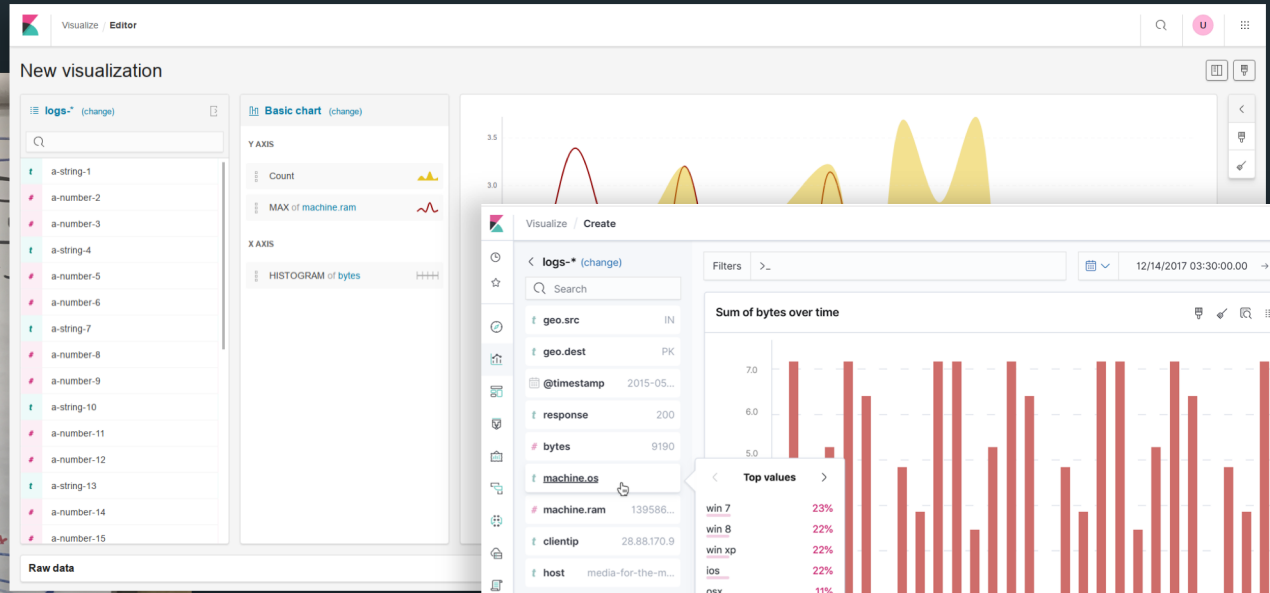

IF BUSH TAX CUTS EXPIRE
TOP TAX RATE
42%
40
38
36
34
39.6%
35%
NOW
JAN. 1, 2013

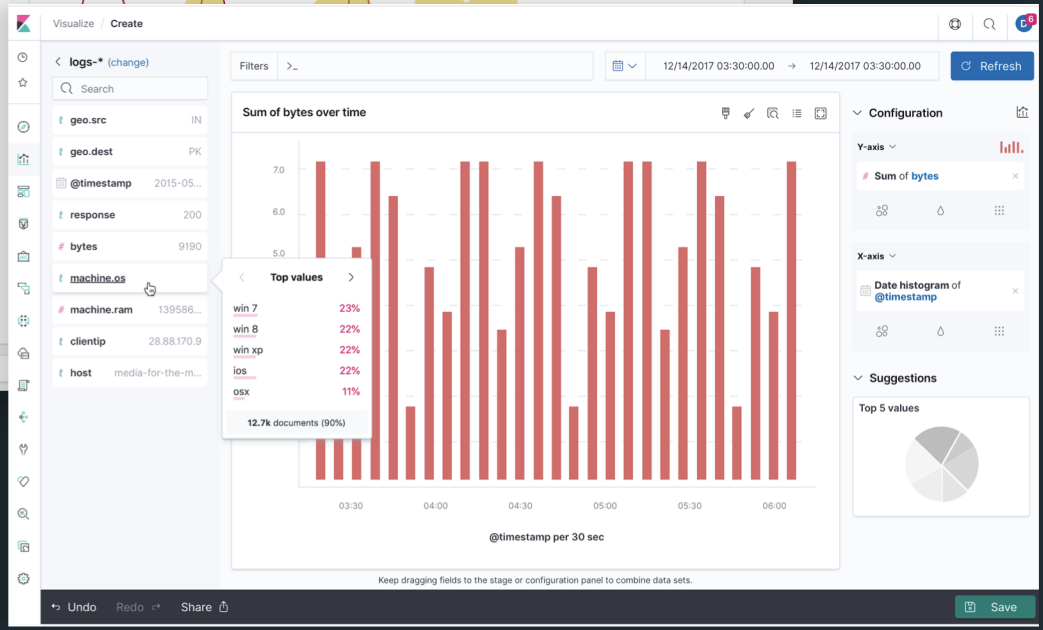
我们如何帮助人们利用他们的数据?

简单直观的方法来可视化数据

- 不需要具备可视化分析背景
- 帮助用户找到他们需要的字段
- 帮助用户有效地可视化他们的数据
- 使用简单而功能强大
- 从架构上支持未来的可视化分析场景
- 标准的可复用的数据浏览-允许修改数据，图表和指标
- 利用 Elasticsearch独有的优势: 快速, 可扩展, 强大的聚合和搜索







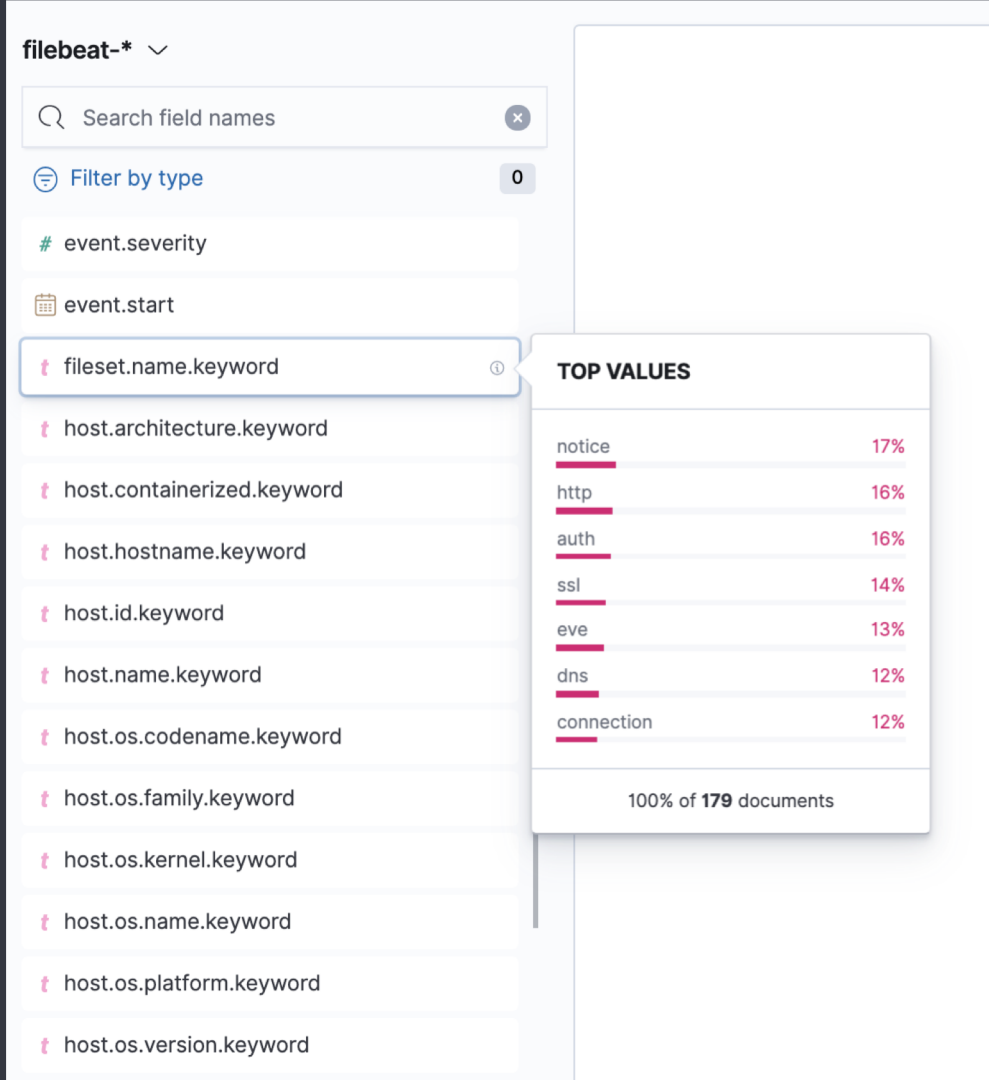
Kibana Lens 研发历程

数据驱动

从数据开始

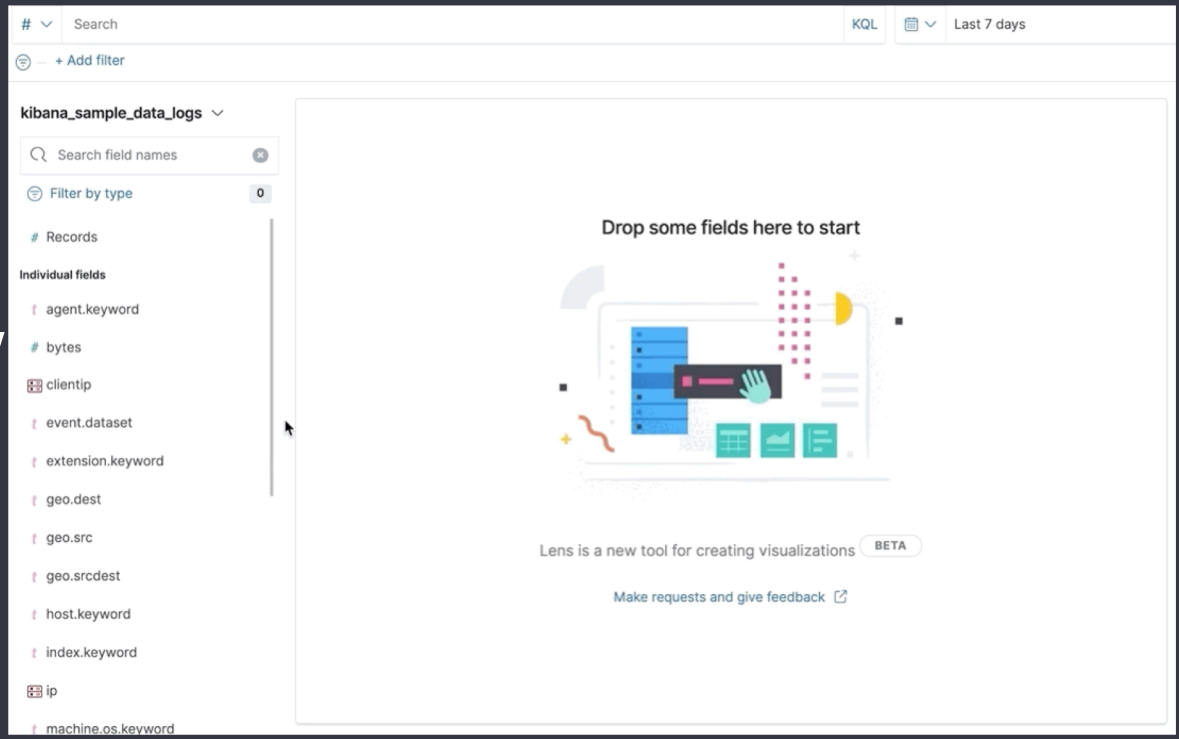
找到合适的字段:

- 寻找名字
- 按类型过滤
- 预览字段的值
- 字段统计



即时预览

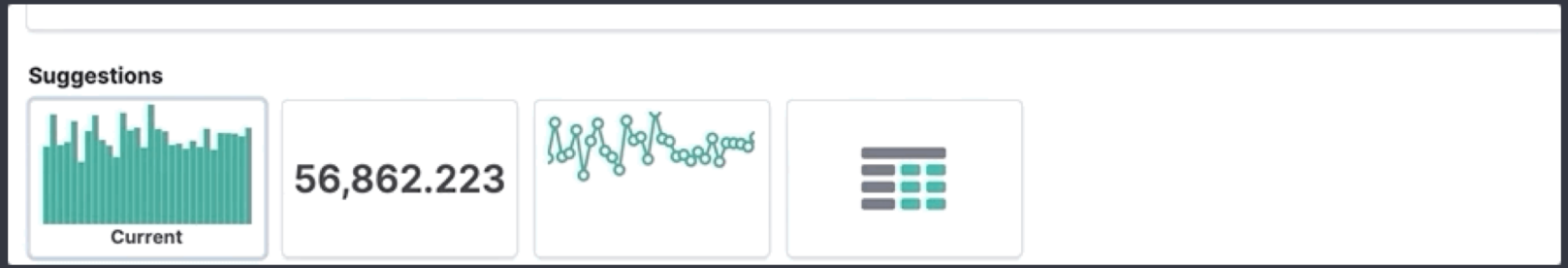
- 选择第一个字段就可以预览图表
- 隐藏复杂性: 更少的配置，智能化选择图表



智能的方式来可视化

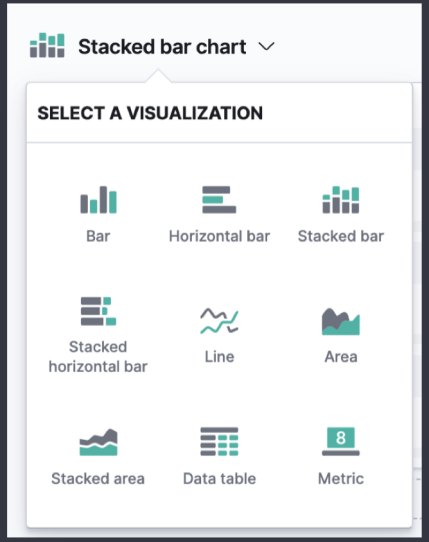
智能建议Smart suggestions

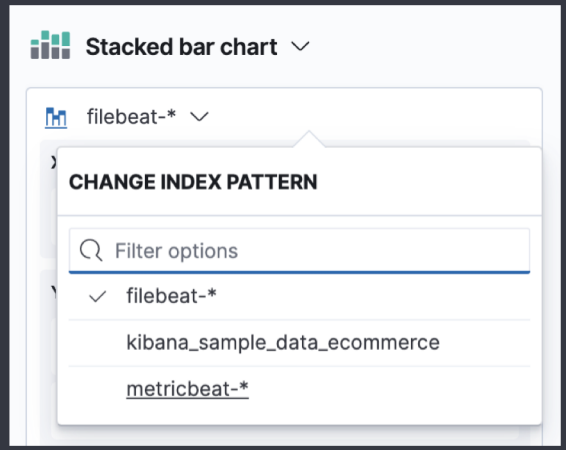
- 基于选择的字段自动推荐聚合
- 基于数据建议图表的类型
- 数据建模
- 快捷方式 – 基于通用用例智能推荐缺省配置



标准和可复用

- 让用户用不同的方法来探索数据
- 可以改变index patterns和查询
- 用不同的图表类型查看数据
- 快速地在不同的字段间切换





DEMO

elastic

后续改进

扩展功能

- 新的图表
- 高级计算和函数
- 自定义公式
- 自定义图表
- 支持SQL

整合

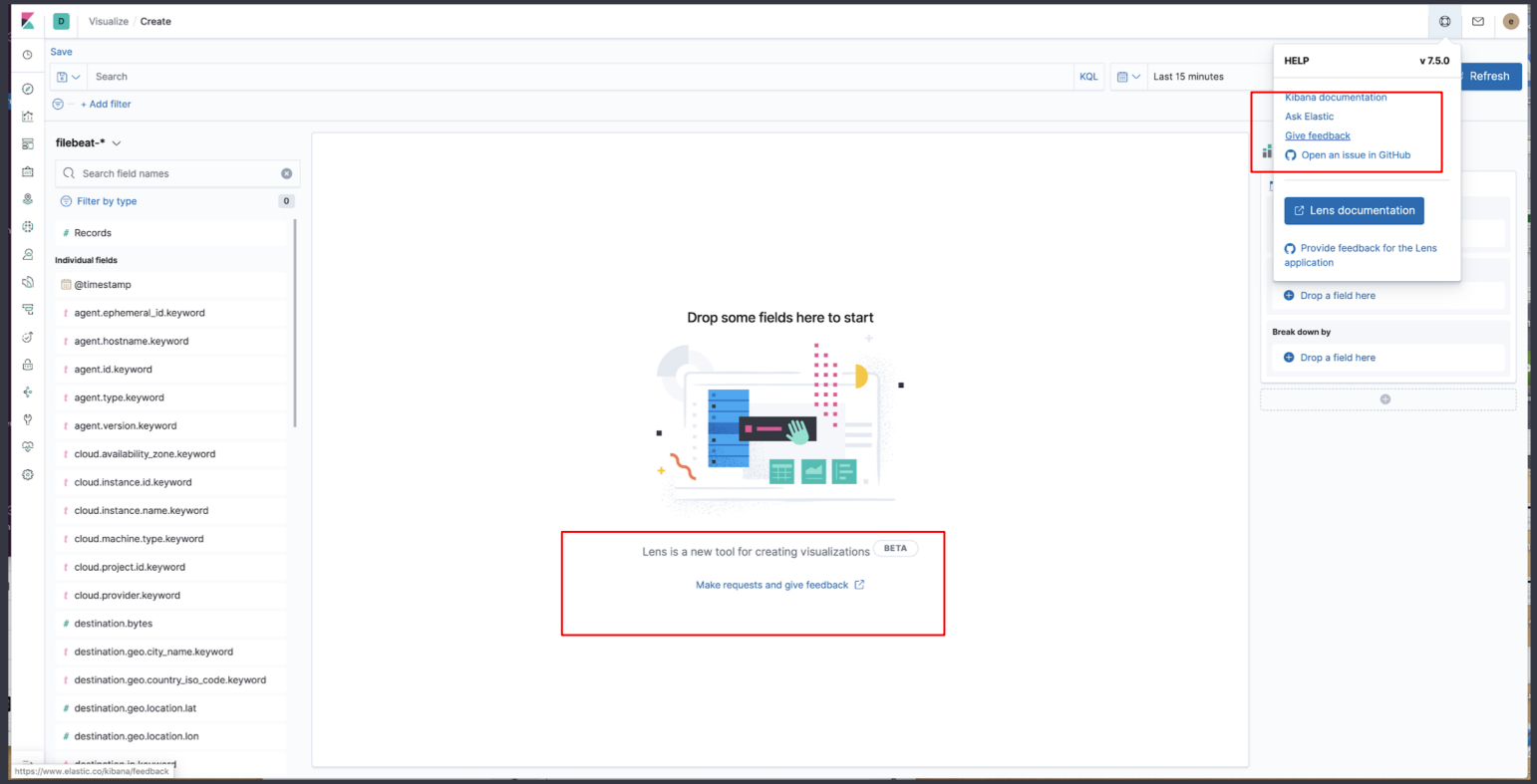
- 更深入地整合进dashboard
- 和Canvas整合

更加智能

- 改进图表推荐
- 地图的推荐

底层改进

反馈


Visualize / Create
Save
Search
KQL
Last 15 minutes
Refresh
+ Add filter
filebeat-*
Search field names
Filter by type
Records
Individual fields
@timestamp
agent.ephemeral_id.keyword
agent.hostname.keyword
agent.id.keyword
agent.type.keyword
agent.version.keyword
cloud.availability_zone.keyword
cloud.instance.id.keyword
cloud.instance.name.keyword
cloud.machine.type.keyword
cloud.project.id.keyword
cloud.provider.keyword
destination.bytes
destination.geo.city_name.keyword
destination.geo.country_iso_code.keyword
destination.geo.location.lat
destination.geo.location.lon
Drop some fields here to start
Lens is a new tool for creating visualizations
BETA
Make requests and give feedback
HELP
v 7.5.0
Kibana documentation
Ask Elastic
Give feedback
Open an issue in GitHub
Lens documentation
Provide feedback for the Lens application
Drop a field here
Break down by
Drop a field here
https://www.elastic.co/kibana/feedback

Lens 资源

Lens webinar Dec 9th

Lens blog post

Lens video

Lens documentations

What is Lens webpage