



Elastic Stack Overview

The world's most popular enterprise products for real-time search, logging, analytics, and more




Who?

```
$ curl http://localhost:9200/speaker/_doc/dpilato
{
  "nom" : "David Pilato",
  "jobs" : [
    { "boite" : "SRA Europe (SSII)", "mission" : "bon à tout faire", "date" : "1995" },
    { "boite" : "SFR", "mission" : "touche à tout", "date" : "1997" },
    { "boite" : "e-Brands / Vivendi", "mission" : "chef de projets", "date" : "2000" },
    { "boite" : "DGDDI (douane)", "mission" : "mouton à 5 pattes", "date" : "2005" },
    { "boite" : "IDEO Technologies", "mission" : "CTO", "date" : "2012" },
    { "boite" : "elastic", "mission" : "développeur", "date" : "2013" } ],
  "passions" : [ "famille", "job", "deejay" ],
  "blog" : "http://david.pilato.fr/",
  "twitter" : [ "@dadoonet", "@elasticfr" ],
  "email" : "david@pilato.fr"
}
```

Elastic Stack

SOLUTIONS

Kibana 

Visualize & Manage

Elasticsearch 

Store, Search, & Analyze

Beats 

Logstash 

APM 

Ingest



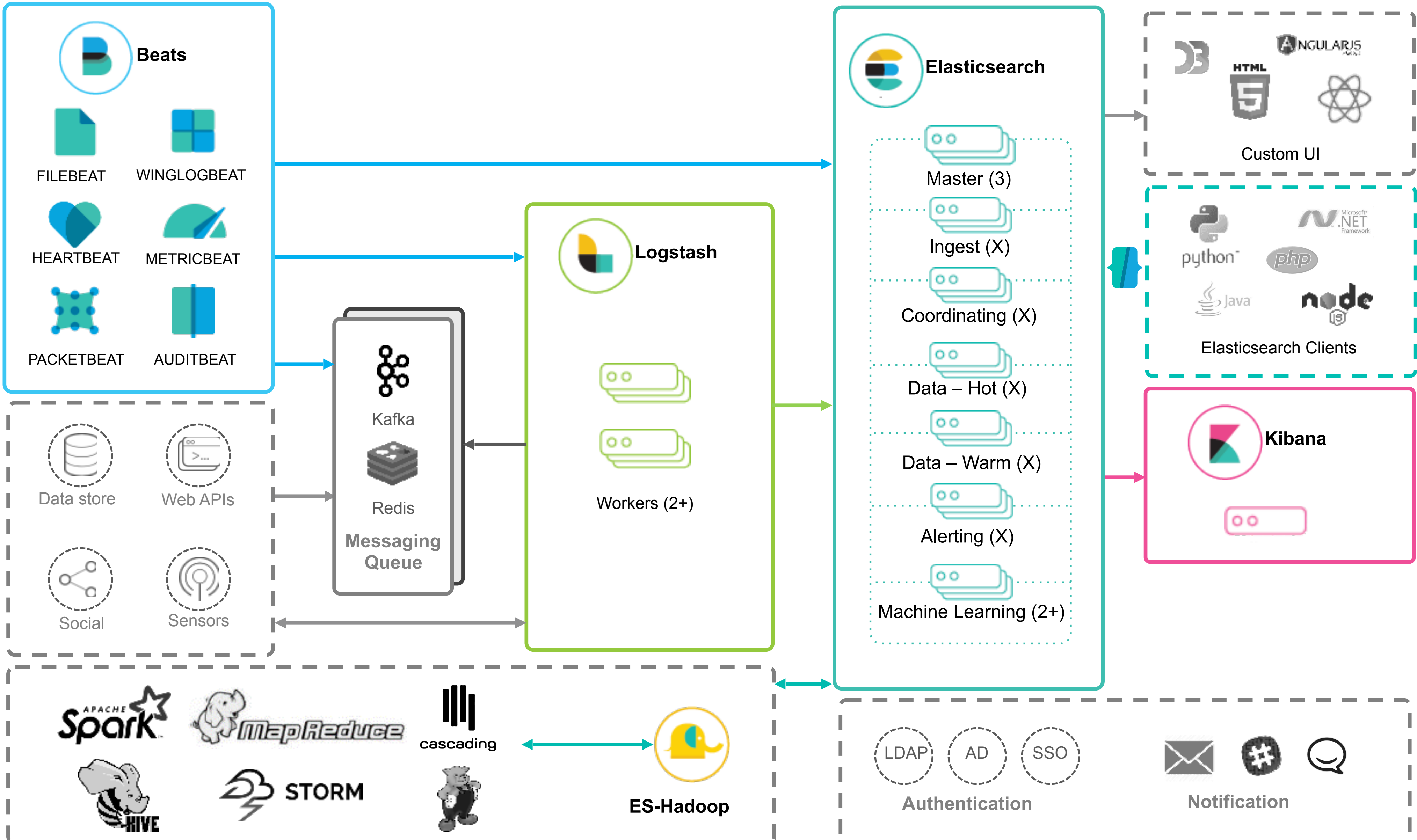
SaaS



SELF-MANAGED



Deployment in the Enterprise



Open source

Apache 2.0 : aujourd'hui
comme demain.

Téléchargement gratuit

Entre autres fonctionnalités :

- Clustering et haute disponibilité
- Recherche et analyse ultra-performantes
- Visualisation des données et tableaux de bord
- Et plus encore

Basic

L'offre gratuite qui le restera
toujours.

Téléchargement gratuit

Tous les avantages de l'open source, plus :

- Principales fonctionnalités de sécurité
- Solutions telles qu'APM, SIEM, Maps et d'autres encore
- Canvas
- Et plus encore

Gold

Plus de fonctionnalités.
Support technique dédié.

Nous contacter

Tous les avantages de l'offre Basic, plus :

- Alerting
- Reporting
- Gestion de l'ingestion
- Support technique aux heures ouvrées
- Et plus encore

Platinum

L'expérience ultra-
complète.

Nous contacter

Tous les avantages de l'offre Gold, plus :

- Fonctionnalités de sécurité avancées
- Machine Learning
- Réplication inter-clusters
- Support technique 24 h/24, 7 j/7, 365 j par an
- Et plus encore

Services at a Glance



Elastic Training

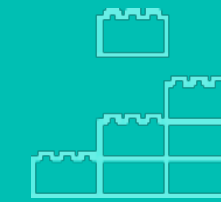
- Immersive learning experience
- Solution-based curriculum
- Flexible ways-to-train

People Strategy



Certification

- Performance-based exam
- Solve real-world tasks, in real-time
- Remote, secure testing



Elastic Consulting

- Expert services focused on your business goals
- Phased-based packages
- Product expertise

Project Strategy

Elastic Training

Paris / France



Course offerings

Kibana Data and Ops Analyst: Jan 20-22

Elasticsearch Engineer I: Jan 21-22

Elasticsearch Engineer II: Jan 21-22

Who should attend?

Software Developers, Engineers, Data Architects, System Administrators, DevOps

What will I learn?

- How to manage deployments and develop solutions.
- Advanced cluster management techniques, best practices for capacity planning and scaling, and more.



IMMERSIVE LEARNING ENVIRONMENT

Lab-based exercises to help master new skills



EXPERIENCED INSTRUCTORS

Expertly trained and deeply rooted in everything Elastic



SOLUTION-BASED CURRICULUM

Real-world examples and common use cases



PERFORMANCE-BASED CERTIFICATION

Apply skills to real-world use cases, in real-time

En français

50% discount on the 2nd seat

Vouchers for free trainings



<https://training.elastic.co/elearning/>

Training	Voucher
Logging Fundamentals	Logging
Metrics Fundamentals	Metrics
APM Fundamentals	APM
Elastic Machine Learning for Cybersecurity	MLCyber
ECE Fundamentals	ECEF
Fundamentals of Securing Elasticsearch	FSE

Please do not share those codes

A typical search implementation...

```
CREATE TABLE user
(
  name VARCHAR(100),
  comments VARCHAR(1000)
);
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

David



Search on term

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');  
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at  
french customs service');  
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');  
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name="David";  
Empty set (0,00 sec)
```

David



Search like

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%David%";
```

name	comments
David Pilato	Developer at elastic
David Gageot	Engineer at Google
David David	Who is that guy?

David



Search for terms

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%David Pilato%";
```

name	comments
David Pilato	Developer at elastic

David Pilato



Search with inverted terms

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%Pilato David%";
```

Empty set (0,00 sec)

```
SELECT * FROM user WHERE name LIKE "%Pilato%David%";
```

Empty set (0,00 sec)

Pilato David



Search for terms

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%David%" AND
      name LIKE "%Pilato%";
```

name	comments
David Pilato	Developer at elastic

Pilato David



Search in two fields

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%David%" OR
      comments LIKE "%David%";
```

name	comments
David Pilato	Developer at elastic
Malloum Laya	Worked with David at french customs service
David Gageot	Engineer at Google
David David	Who is that guy?

David





Search with typos

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');  
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at  
french customs service');  
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');  
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%Dadid%";  
Empty set (0,00 sec)
```

Dadid



Search with typos

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%_adid%" OR
                           name LIKE "%D_did%" OR
                           name LIKE "%Da_id%" OR
                           name LIKE "%Dad_d%" OR
                           name LIKE "%Dadi_%";
```

name	comments
David Pilato	Developer at elastic
David Gageot	Engineer at Google
David David	Who is that guy?



User Interface

Power Search:

ID Number

Web Title

Url

Category

Web Description

Keywords

Contact Name

Contact Email

Featured Links 🍷

Cool Links 🍷

Bold Links

Icon

Rating Average ★★★★★

Number of Votes

Total Hits

Hits Today

IP Address

Submission Software Name

Select

Select ▼

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⚠ 😬 💡
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Select ▼

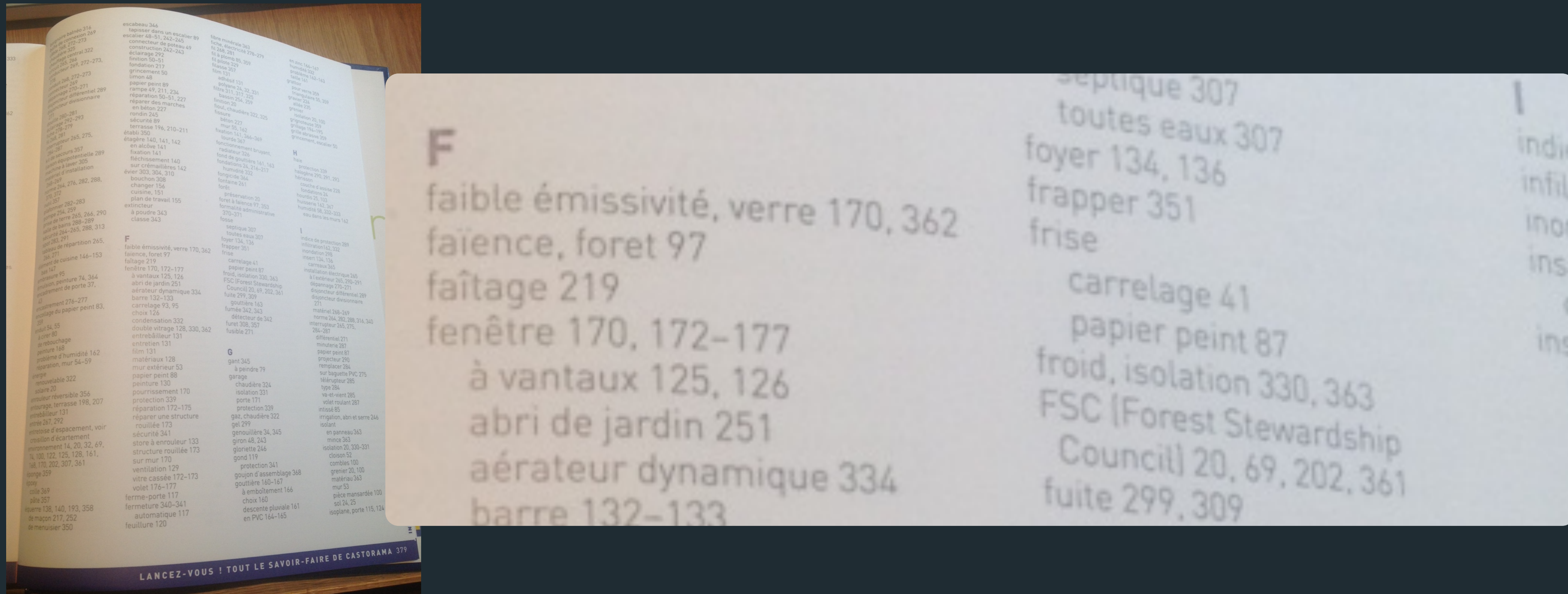
between and

between and

between and

Search engine?

Moteur d'indexation de documents



Moteur de recherche dans les index

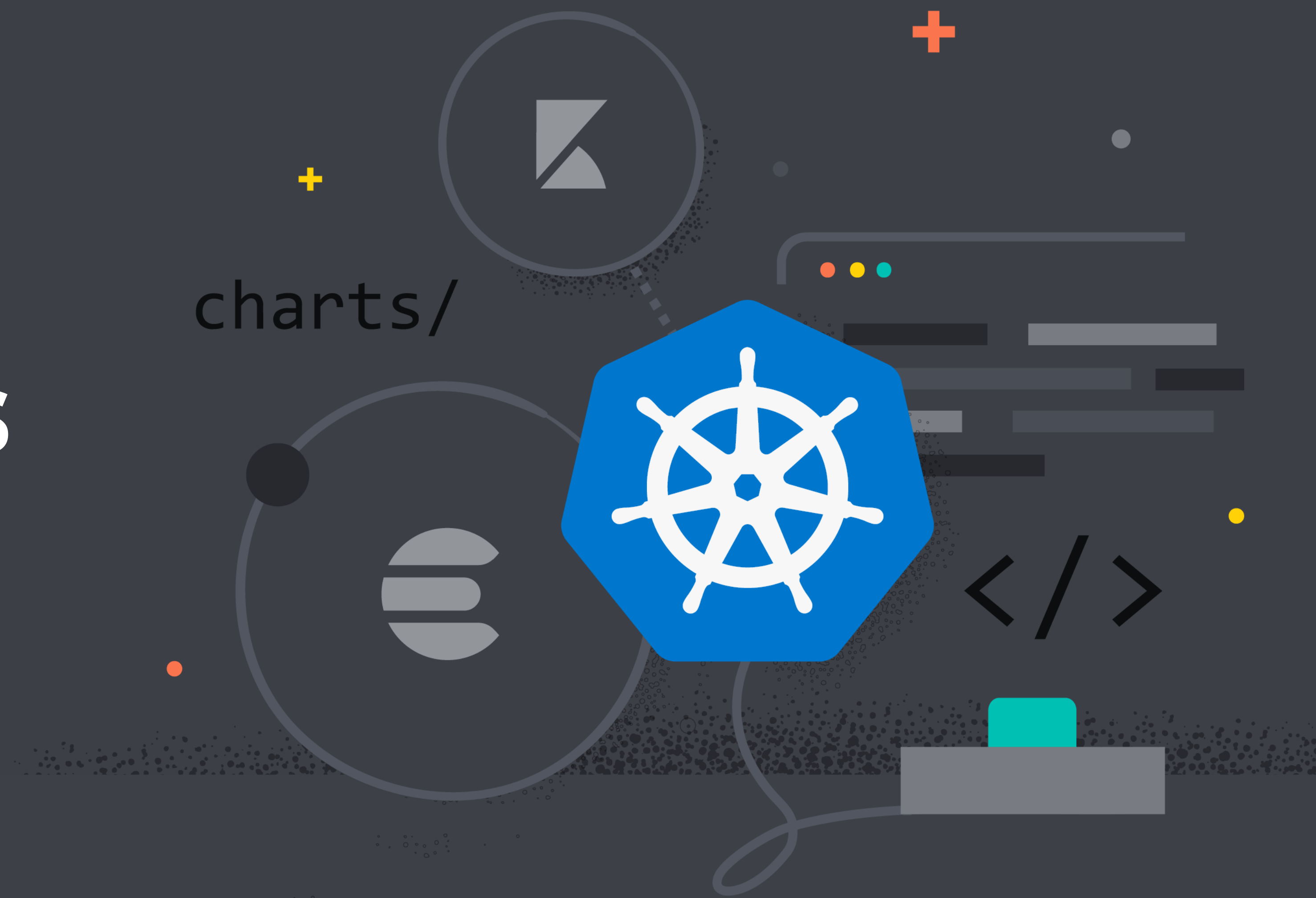


Demo time!



Elastic Cloud on Kubernetes

The official Operator (and more)
for Elasticsearch and Kibana



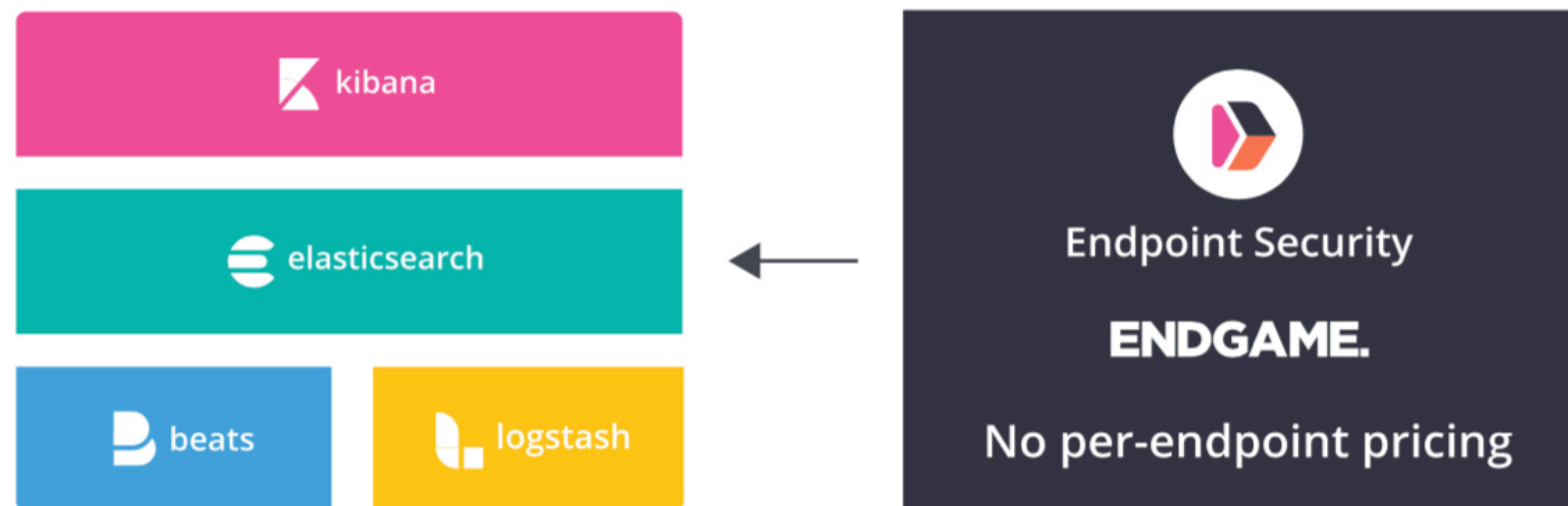
Elasticsearch core security is now free

- TLS Encryption
- File-based and native authentication
- Role-based access control



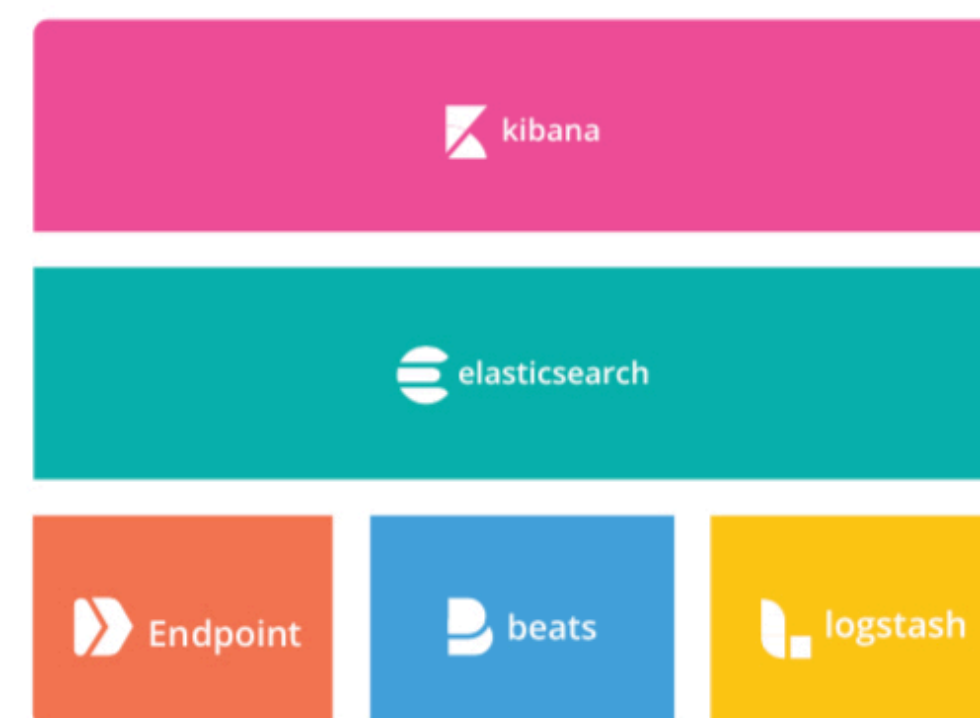
Today

Comprehensive endpoint protection, detection, and response (EPP+EDR) and no per-endpoint pricing. Just pay for what you use.

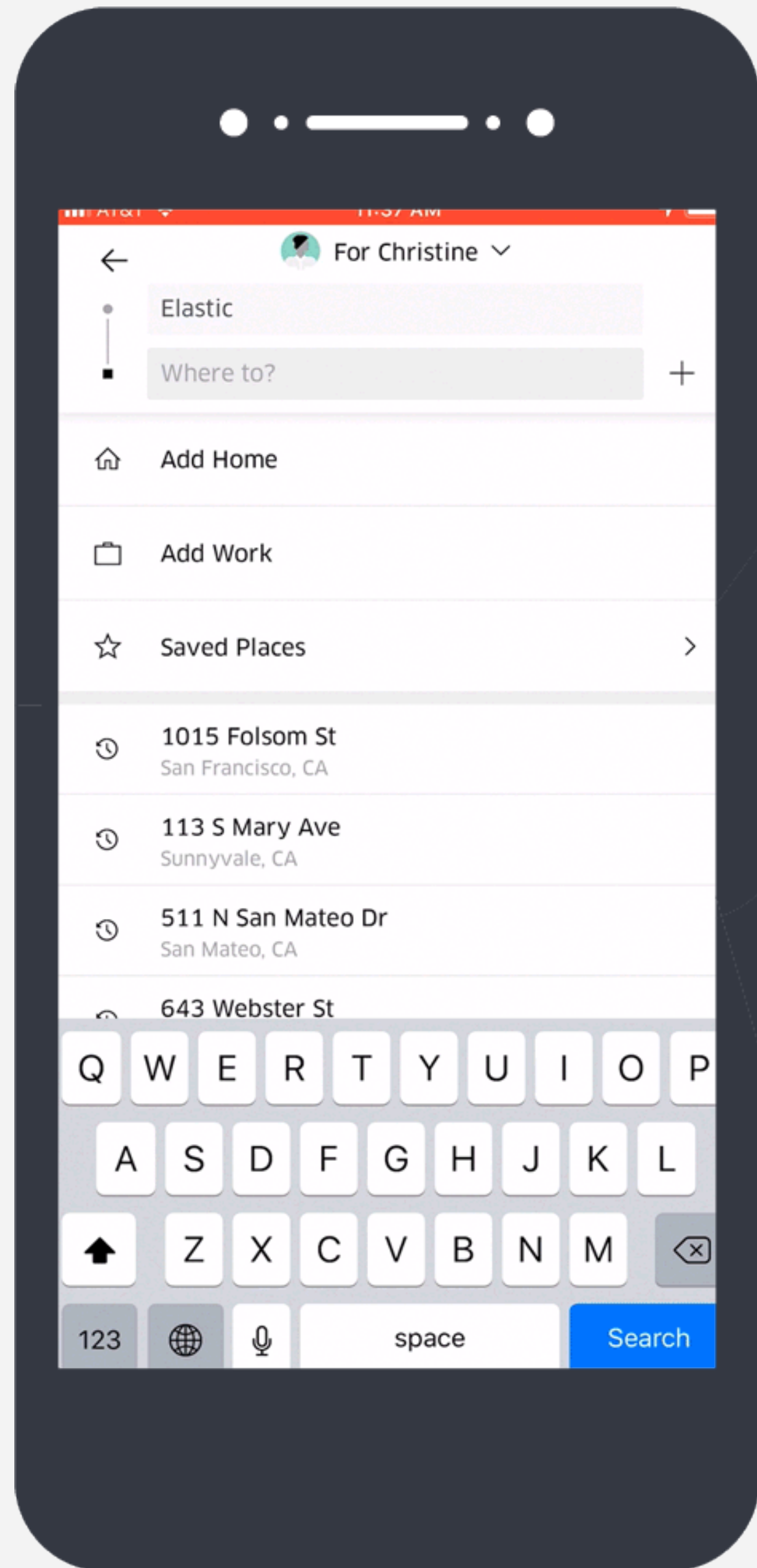


Future

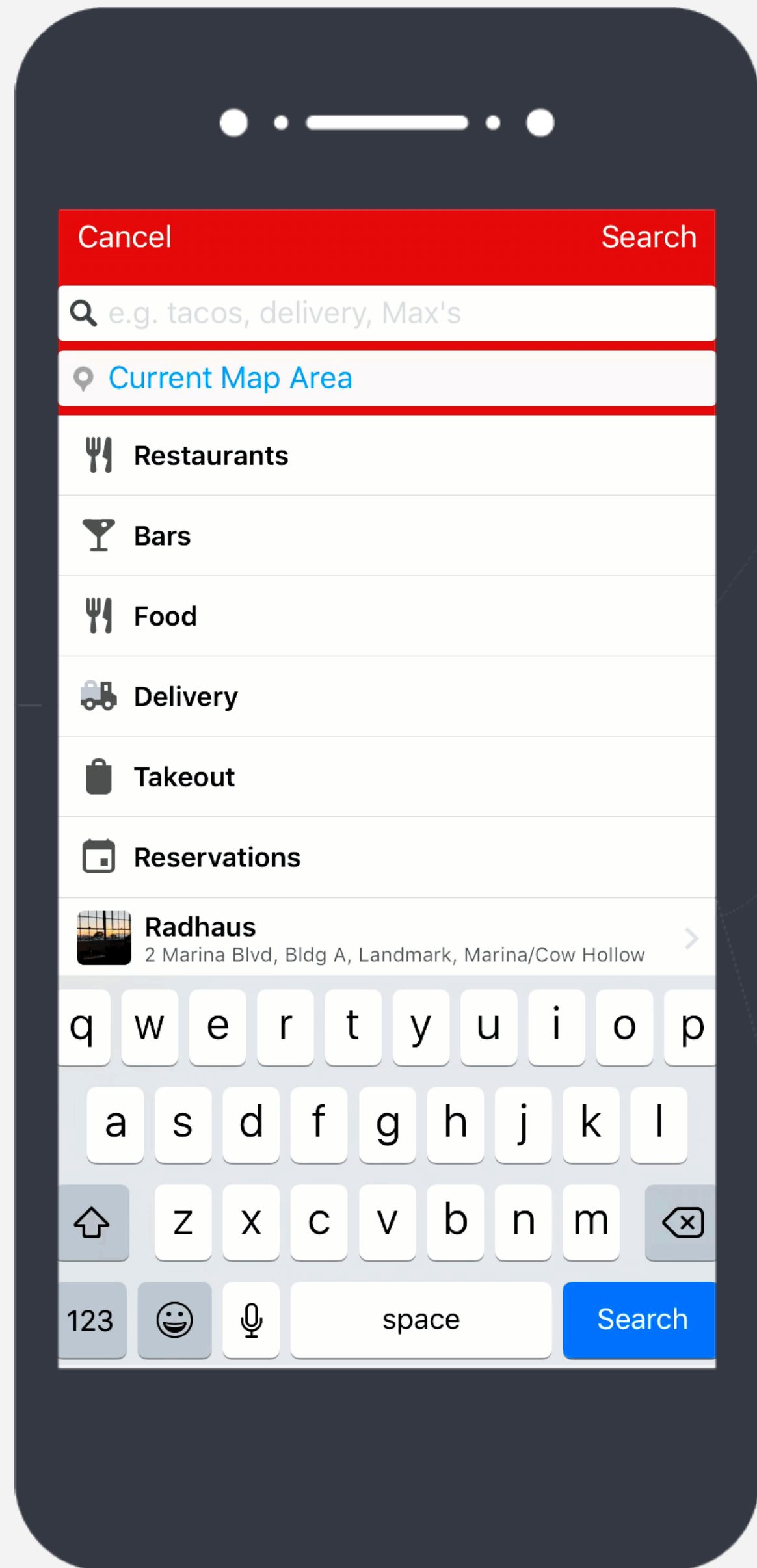
EPP, EDR, and SIEM delivered in a single, simplified architecture: Elasticsearch, Kibana, Elastic Endpoint.

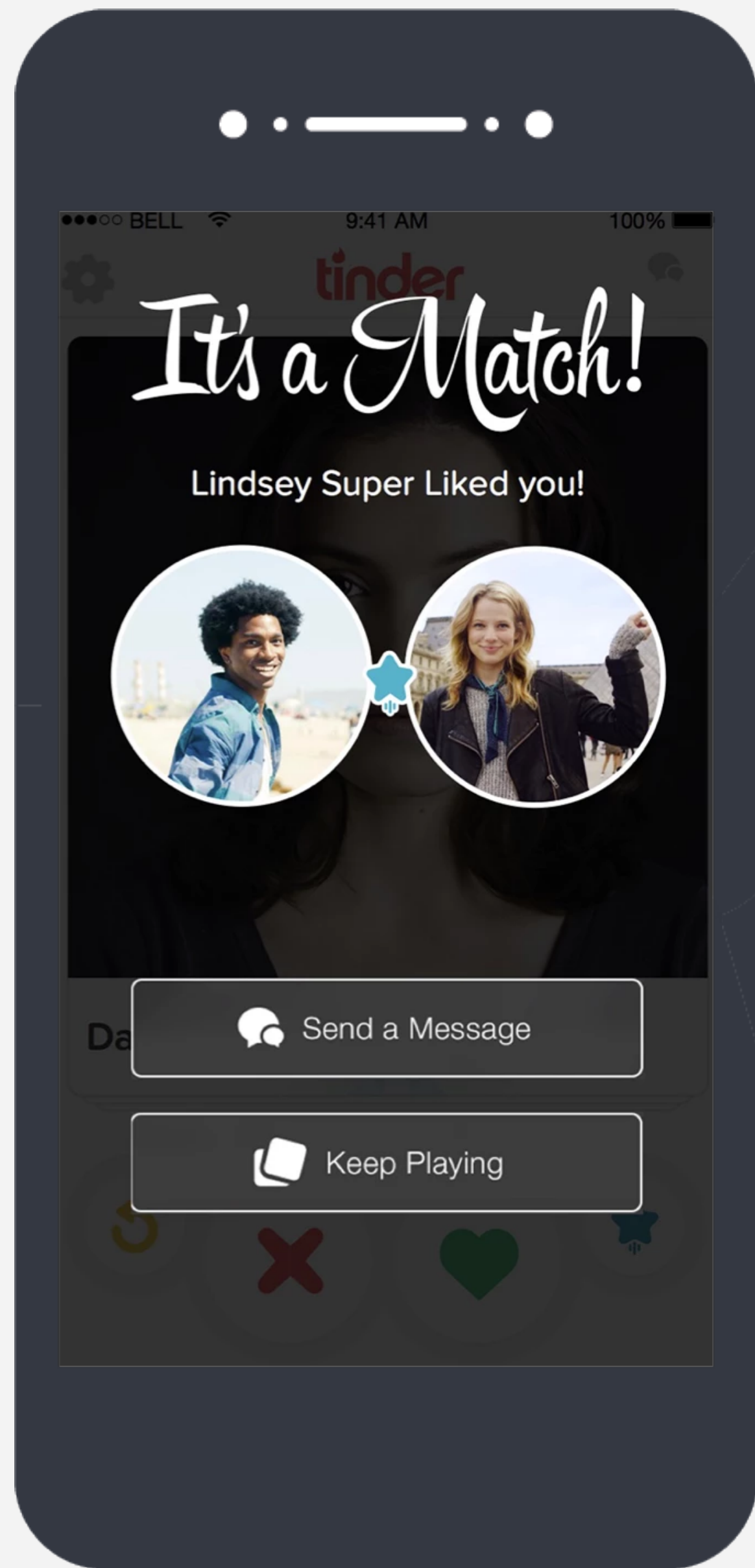


 HSBC		 SOUNDCLOUD	 mozilla FOUNDATION	 Microsoft
GROUPON	facebook	 Expedia	vimeo	 salesforce
 FOURSQUARE		ACTIVISION BLIZZARD	 stack overflow	
	 Symantec		The New York Times	 Unilever
ebay	Eventbrite	 Alcatel-Lucent	 CONCUR	verizon
NETFLIX	IBM	 PayPal	 Adobe	 CISCO
 docker	The Guardian	 THOMSON REUTERS	Quora	tomtom

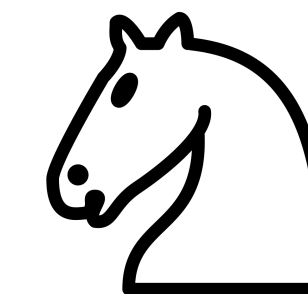
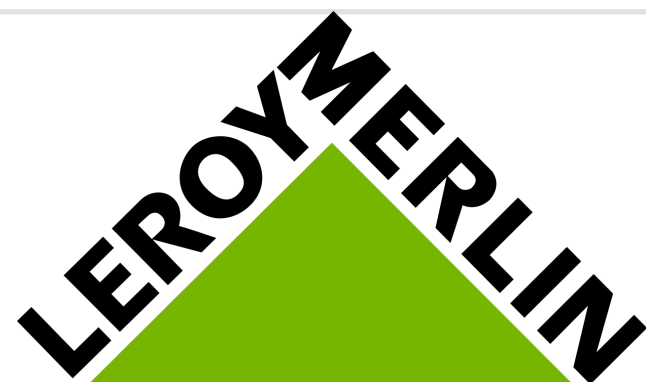


Uber





tinder™





#ElasticStories

Elastic Training

Paris / France



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User Group

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