FOR YOUR DATASTORE

PHILIPP KRENN





OXERAA

FIPRHUZPIANCE FOR YOUR DATASTORE









I DON'T KNOW HOW TO PUT THIS BUT.

GDPRISKIND OF A BIG DEAL

NHOLKES GDPR2



WHO IS AFRAID OF GDPR?



"CAN YOU RECOMMEND A GDPR EXPERT?



GREAT, CAN YOU GIVE ME THEIR EMAIL ADDRESS SO I CAN CONTACT THEM?

NO.⁹⁹

https://twitter.com/wardrox/status/988363811479572483



QUESTIONS: https://sli.do/xeraa HTTPS://TWITTER.GOM/XERAA





ADOPTED 2016/04/14ENFORCEABLE 2018/05/25





FINES UP TO 4% OF GLOBAL REVENUES OR **£20** M



EUORGANZATONS SERVICES OR GOODS FOR / MONITORING OF EU CITZENS



ANY INFORMATION RELATING TO AN DENTIFIED OR IDENTIFIABLE NATURAL PERSON





TO BE NFORMED ACCESS RECTECATON



ERASURE (TO BE FORGOTTEN) RESTRICT PROCESSING DATA PORTA BLITY



AUTOMATIC DECISION MAKING





PS: PERSONAL DATA IN A BLOCKCHAIN IS AN ISSUE



NFORMED GONSENT **GONTRACTUAL OBLIGATION** LEGTMATE INTEREST

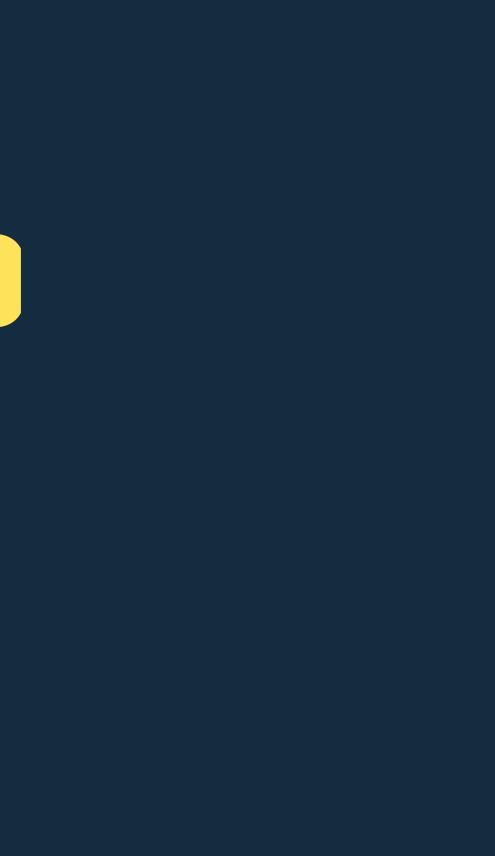


VITAL INTERESTS PUBLICTASK



PROOF REQUIRED RIGHT TO COLLECT AND LEGALLY USE





WTHN 72 HOURSTOA MEMBER STATE'S SIPERV SORY BODY





LEGACY DATA

STOP, CHECK, DELETE



RING FOR GDPR

imgflip.com



WHAT IF NO LEGAL GROUNDS?



P 55

https://twitter.com/ianlandsman/status/997561351009599488



1. STOPYOUR SERVICE





Los Angeles Times

Unfortunately, our website is currently unavailable in most European countries. We are engaged on the issue and committed to looking at options that support our full range of digital offerings to the EU market. We continue to identify technical compliance solutions that will provide all readers with our awardwinning journalism.



The EU is implementing new data privacy rules, known as General Data Protection Regulation (GDPR). While we fully support and are working diligently toward meeting all GDPR requirements, we have determined that we will not complete this effort by the regulation's start date later this month. As a result, **we will temporarily stop providing our service to EU customers, and we will stop providing service to all EU residents on May 23**.

For all customers outside the EU and the European Economic Area, nothing will change and you will be able to continue using Unroll.Me without issue.

For our customers in the EU and in the European Economic Area, the Unroll.Me team is committed to re-introducing our service as **quickly as possible** so please stay tuned for updates.

To all our customers everywhere, Unroll.Me is a completely secure service and our users' privacy is of paramount concern. **Your personal data has always been secure with us**.

If you have any questions or concerns about this topic, please reach out to us.

Find more information in our FAQ.

Do you live in the EU and in the European Economic Area?

No

Yes



Mikko Hypponen @mikko · May 6 Typical reactions from EU:

- * That's not what the regulation was supposed to cause
- * Good riddance
- * Services like Unrollme are awful for privacy, I'm glad GDPR caused this
- * Don't the stupid americans know there are hundreds of millions of more customers in EU than in the USA?

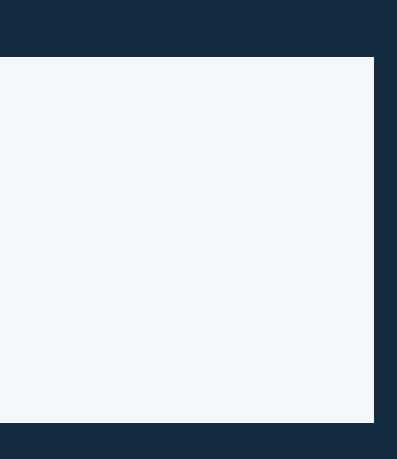




Mikko Hypponen @mikko · May 6 Typical reactions from EU:

- * This weeds out trashy websites
- * Wow how ignorant
- * Bye bye, data harvesters!
- * Enjoy your reduced revenues!
- * Our freedom is more important than their business







Mikko Hypponen @mikko · May 6

Typical reactions from the USA:

- * This should teach those smug EU regulators a lesson
- * You can't tell us what to do
- * These regulations were designed to hurt US tech companies
- * Blocking EU users serves the EU right
- * Just ban the whole continent





Mikko Hypponen @mikko · May 6

Typical reactions from the USA:

- * Lol, smart
- * This law is trash
- * Jokes on them: there are NO services in EU
- * Thanks to GDPR, EU will become a dark swampland of digital era
- * No need to block all EU visitors. Just all EU regulators



Z. DROWN THEM N FORMS





HTTPS://TWITTER.COM/RIANJOHNSON/STATUS/999730569641525248

Episode VIII THE LAST JEDI

We have updated our GLOBAL PRIVACY TERMS. Your trust is important to us. As part of our ongoing commitment

transparency, and in preparation



ot

3. PSEUDONYMZATION



POTENTALY DENTFYAN NOT CONSIDERED PERSONAL DATA BY GDPR





RE-DENT FIGATION POSSIBLE FCMBNEDWT ADDTONAL NFORMATION WITHOUT THIS INFORMATION, RE-**IDENTIFICATION PRACTICALLY IMPOSSIBLE**

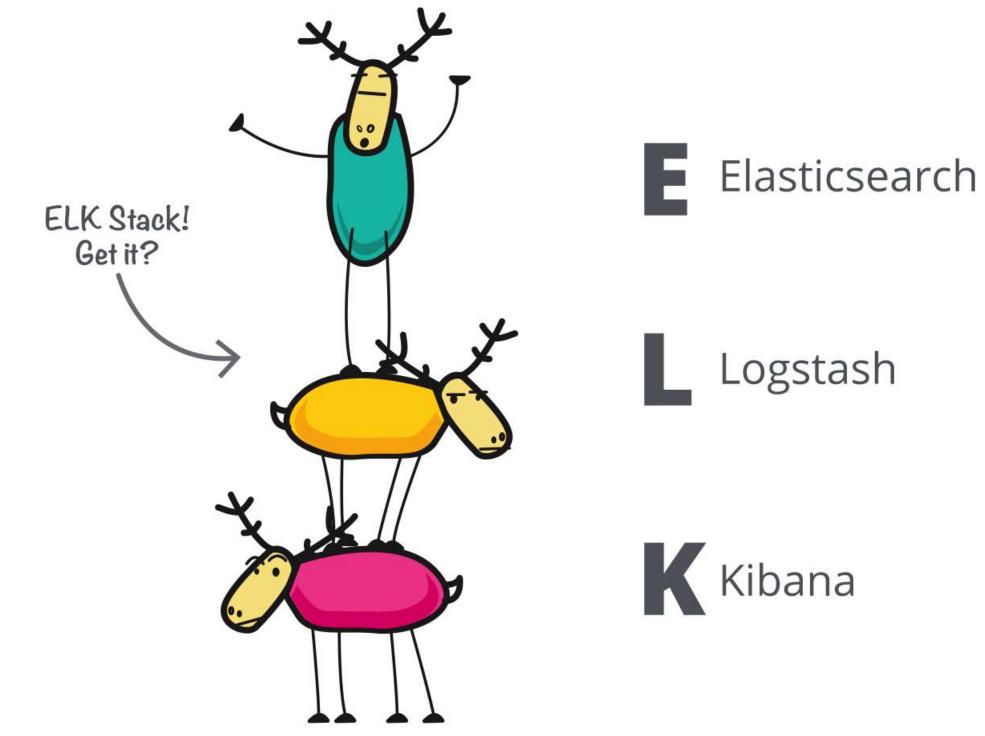


WHEN? INGESTION TIME SEARCH TIME





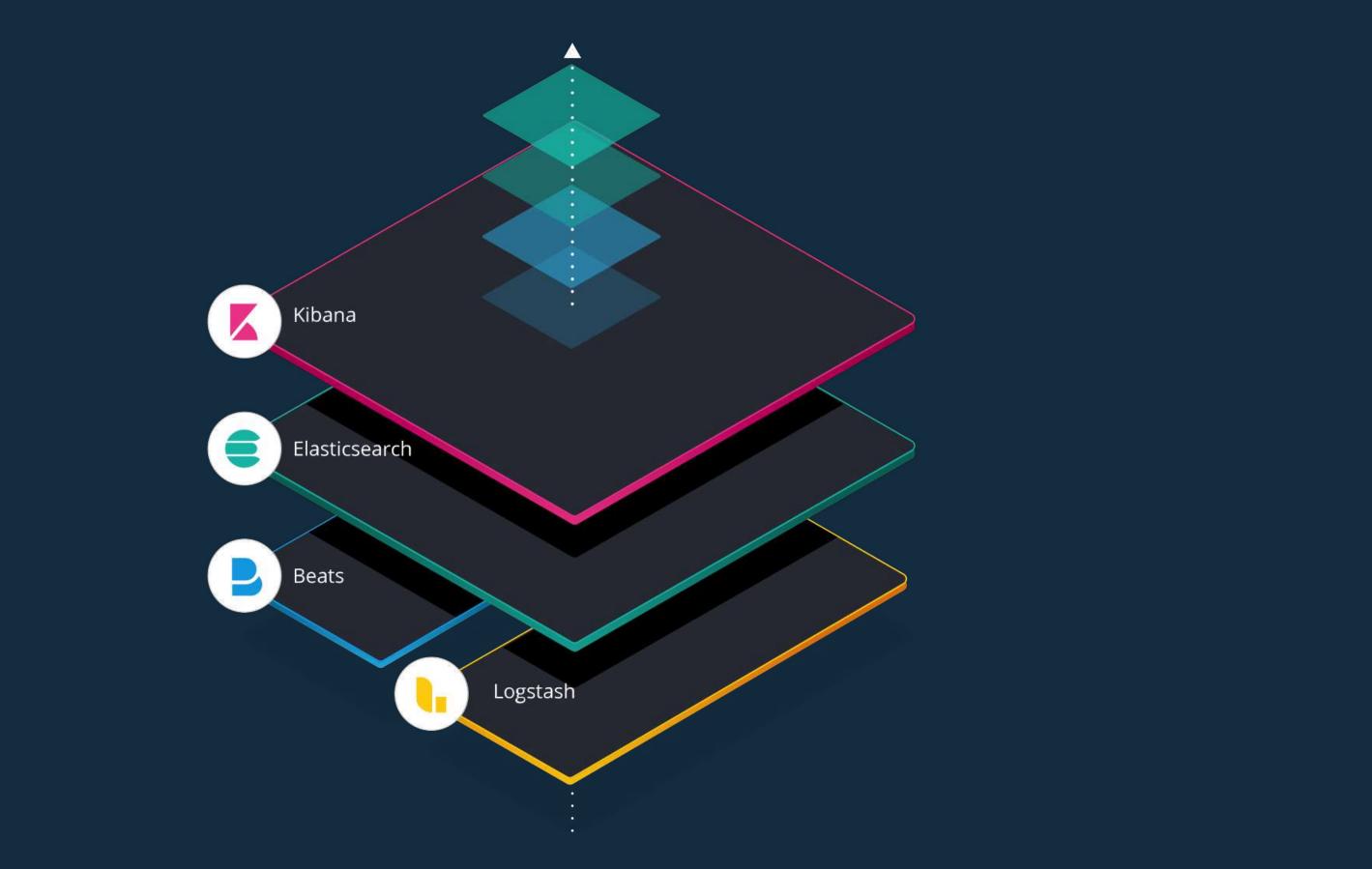




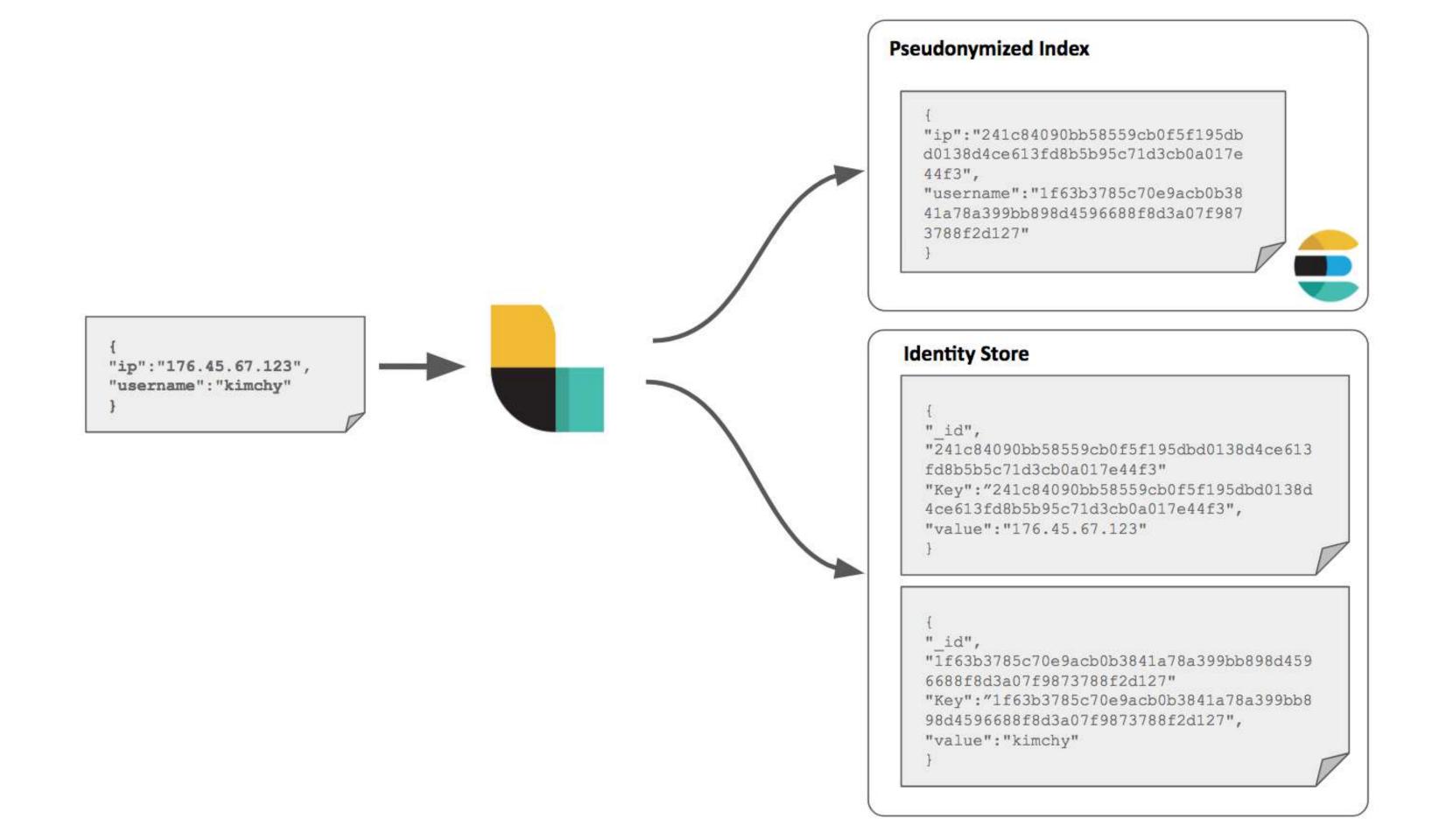
elastic stack











```
fingerprint {
    method => "SHA256"
    source => ["ip"]
    key => "${FINGERPRINT_KEY}"
}
mutate {
      add_field => {
           '[identities][0][key]' => "%{fingerprint}"
           '[identities][0][value]' => "%{ip}"
      }
mutate {
    replace => {
        "ip" => "%{fingerprint}"
    }
  elastic @xeraa
```

HUW SECURE ARE WITHOUT SALTING



5 5 5 99

https://www.ftc.gov/news-events/blogs/techftc/2012/04/does-hashing-make-dataanonymous



https://freedom-to-tinker.com/2018/04/09/fourcents-to-deanonymize-companies-reverse-hashedemail-addresses/





Data returned for an Email Append

Input (Encrypted Email)	Recovered Email	First Name	Last Name	Address	City	State	Zip	Phone
cbf05329de4e57e4cba09471448ddb98	joe.smith@gmail.com							
5469703a9c26d5e8be4e46bef4596e2f836088c0	commonme@yahoo.com	Don	Johnson	478 19TH PL W	Redmond	WA	98052	4255557892

ACCESS FONTROLE ENGRYPTON









Reminder: If your data is encrypted with someone else's keys, it might as well not be encrypted at all. It's hard to imagine any attack which DynamoDB's internal encryption-at-rest defends against.



DynamoDB @dynamodb

All customer data on Amazon DynamoDB is now encrypted at rest! amzn.to/2TgJEE8

10:03 PM - 15 Nov 2018



DELETION



2 WILTHS BEFOMETHE NORM 2⁹⁹ https://twitter.com/Stephan007/status/985103374118014976



R F ENCRYPTED USER E H 1 SET OF KEYS M PA : 4 5 **TACKERS ALSO NEED** THE KEYS

[...] IT ALLOWS US TO CONTROL THE LIFECYCLE OF DATA FOR INDIVIDUAL USERS CENTRALLY."

https://labs.spotify.com/2018/09/18/scalable-user-privacy/



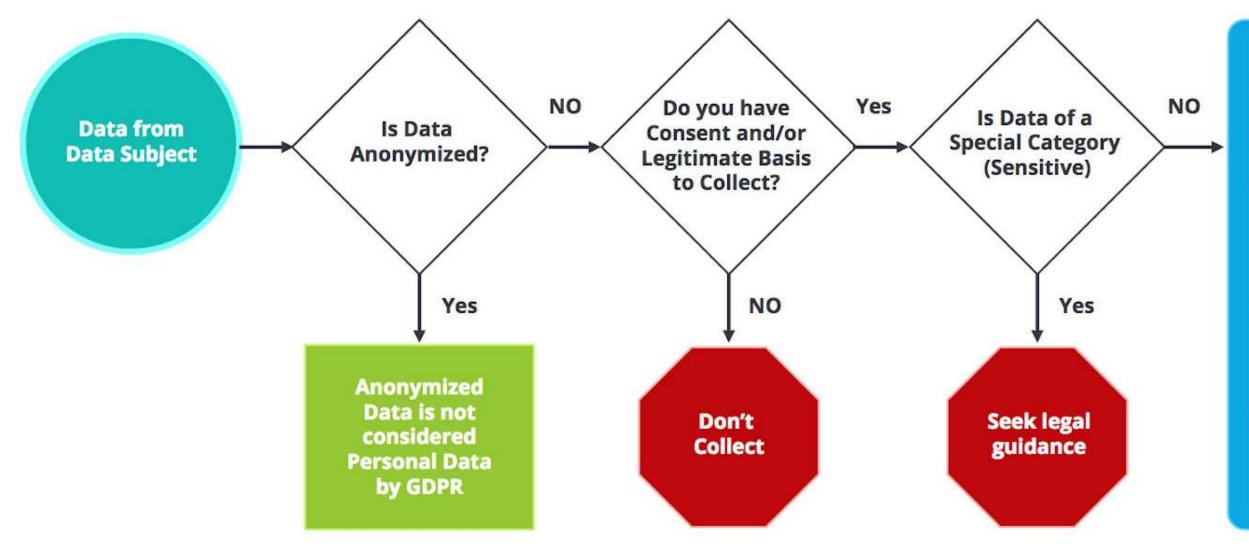




THE NEW STANDARD AND NORMOFAPPROACHING PERSONALDATA







OK to collect GDPR Personal Data, but:

- 1. Protect with measures appropriate to risk
- 2. Transfer only according to rules
- 3. Preserve Data Subject Rights

AMNOTALAWYER









zoom



Hi there,

At Zoom, we empower your team by delivering you up-to-date, actionable news on our features and resources. With GDPR fast approaching, please opt-in below to continue to receive communications such as:

- Industry reports and news
- First access to upcoming events
- Product how-to's and updates

If you do not opt-in, you will no longer receive these types of communications starting May 25th. Please opt-in now to stay in touch with Zoom!

Yes, I'd like to opt-in!

Yes, but only email me 1x a month



Thank You and Happy Zooming!

Sign In



IPP KRENN





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