

Let's Make Security Easy Again



JANE CHEN
Manager, Principal
Engineer, MarkLogic

Equifax hack: What's the worst that can happen?

by David Goldman @DavidGoldmanCNN

🕒 September 11, 2017: 9:30 AM ET



Social Surge - What's Trending



Walmart is bringing online grocery to 100 cities



Facebook bans right group Br



Tech's biggest pay tribute to Hawking

Mortgage & Savings

Terms & C

TECH

Equifax CEO to Congress: Not Sure We Are Encrypting Data

Interim chief should have asked his staff 'the day he took over,' analyst says



Paulino do Rego Barros Jr. took over as interim CEO of Equifax in late September. PHOTO: TOM WILLIAMS/ZUMA PRESS

By [Robert McMillan](#) and [AnnaMaria Andriotis](#)

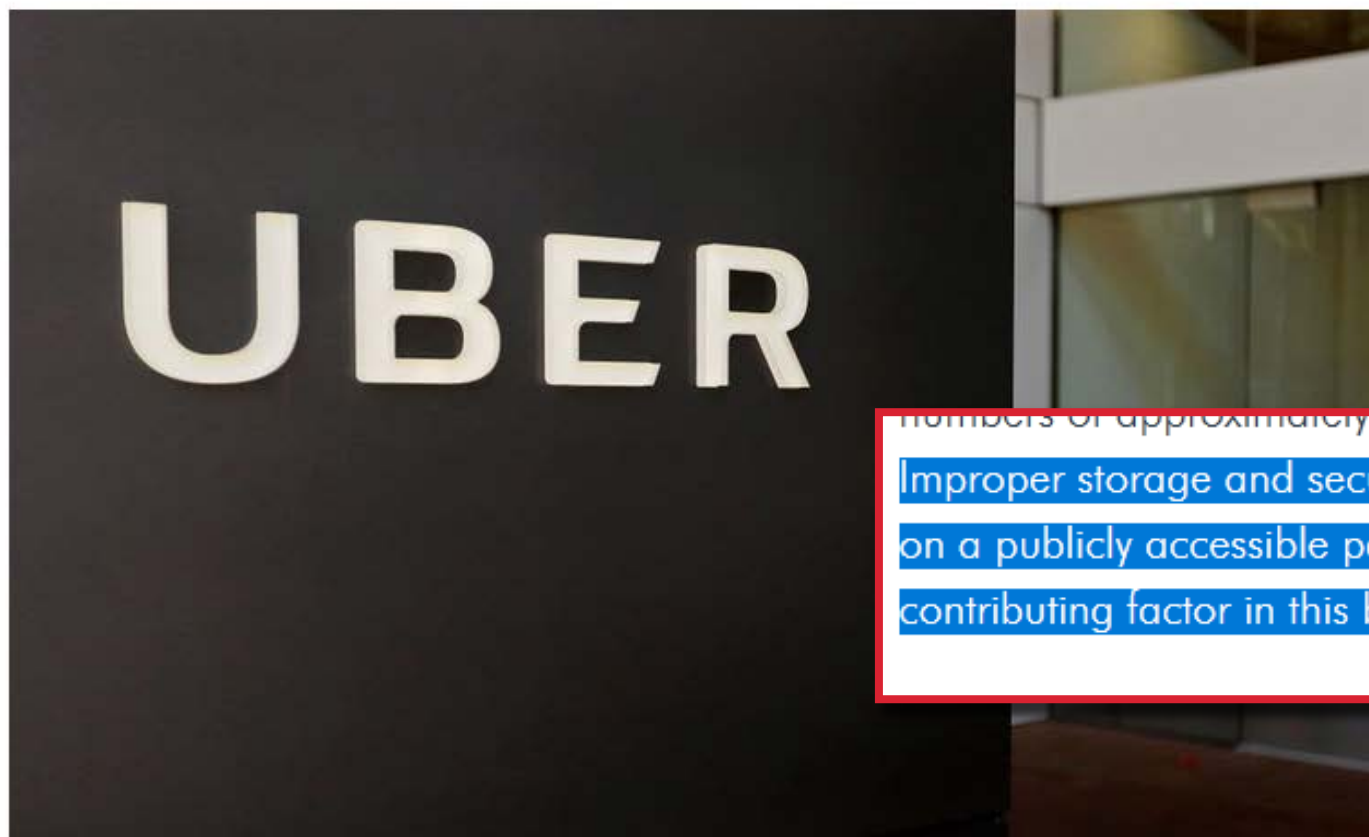
 39 COMMENTS

Nov. 8, 2017 5:34 p.m. ET

Two months after [Equifax Inc.](#) [EFX](#) [+0.77%](#)  reported one of the worst data breaches in

Uber is sued over massive data breach after paying hackers to keep quiet

By [Hamza Shaban](#) November 24, 2017 [Email the author](#)



This Wednesday, March 1, 2017, file photo shows an exterior view of the headquarters of Uber in San Francisco. (AP Photo/Eric Risberg)

Most Read **Business**

- 1 Scott Pruitt's \$2 million phone booth? It's worth like \$43,000.
- 2 The real reason why it costs twice as much to drive in other wealthy cities

numbers of approximately 50,000 drivers across multiple states.

Improper storage and security of the database encryption key (left on a publicly accessible page) may have been a major contributing factor in this breach.

- 5 The unexpected happens inside driving minivans

Is data security really that hard?

A database has to protect itself

HOW WE DO IT

Advanced Encryption in MarkLogic



Effortless to Set Up

- Selected set of databases
- Logs and config files

HOW WE DO IT

Advanced Encryption in MarkLogic



Effortless to Set Up

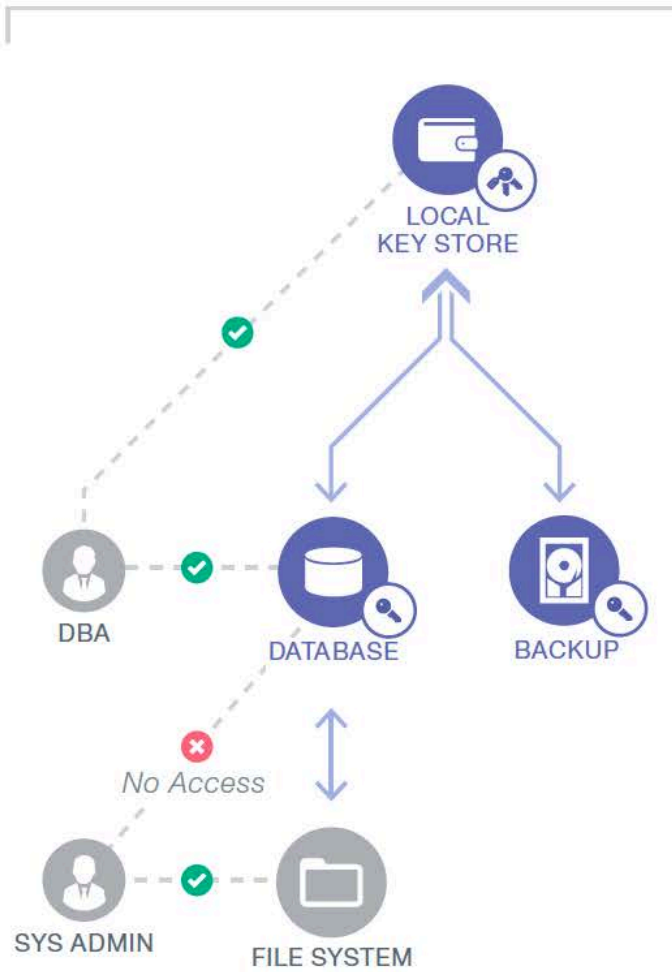
- Selected set of databases
- Logs and config files



Powerful Key Management

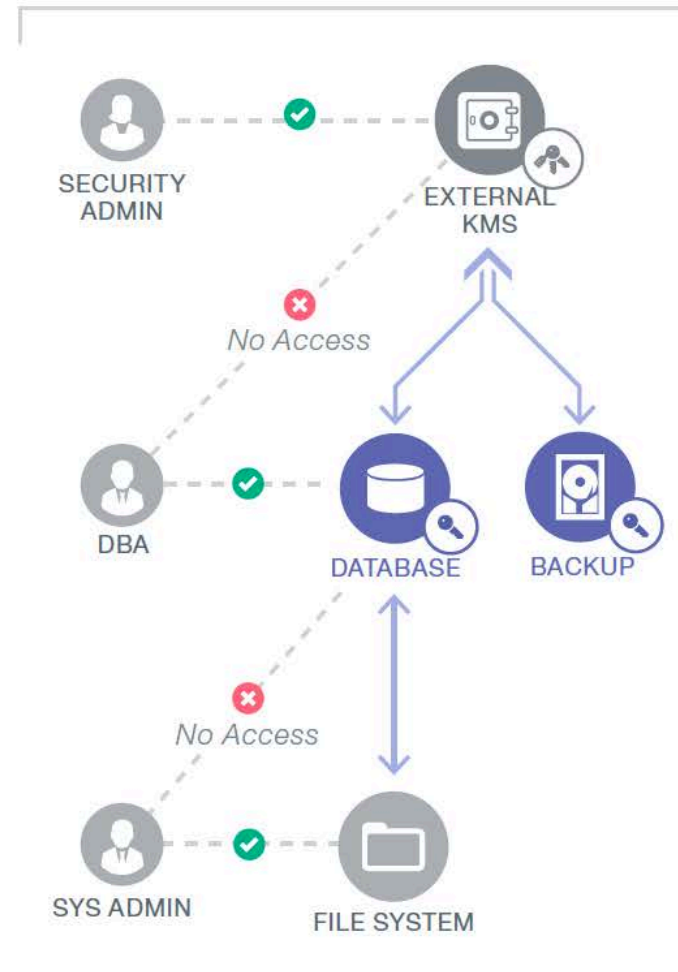
- Support local or external KMS
- Enable separate key management control

USING A LOCAL KMS



OR

USING AN EXTERNAL KMS (INCREASED SEPARATION OF DUTIES)



HOW WE DO IT

Advanced Encryption in MarkLogic



Effortless to Set Up

- Selected set of databases
- Logs and config files



Powerful Key Management

- Support local or external KMS
- Enable separate key management control



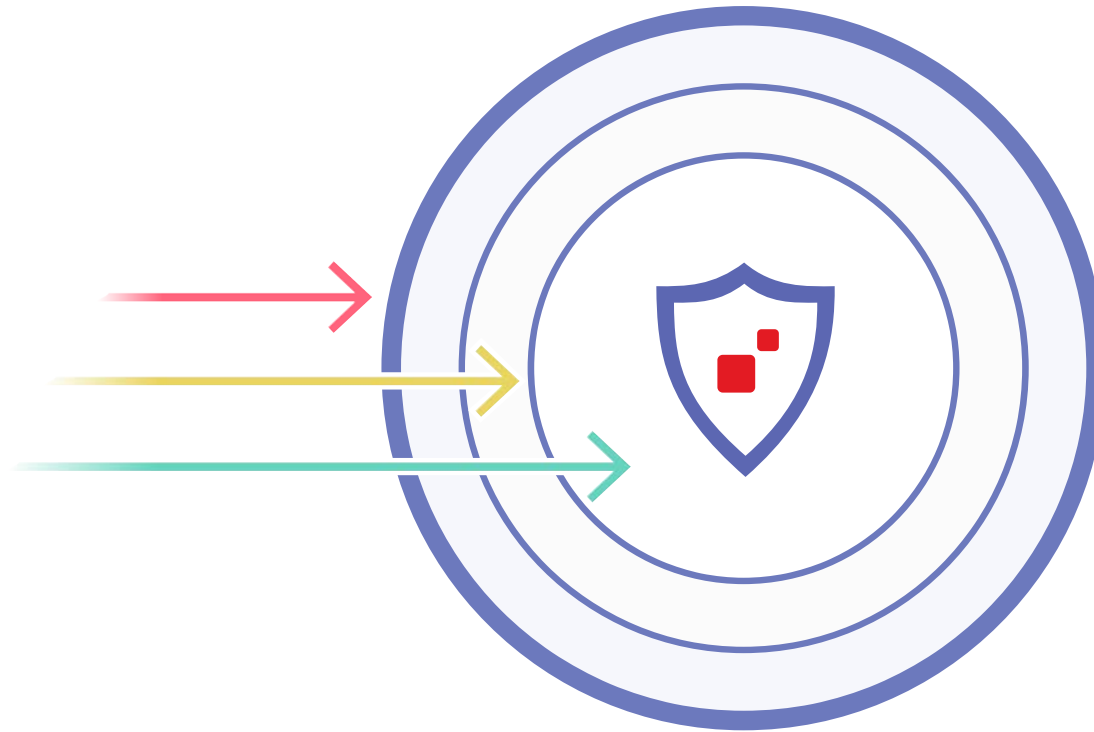
High Performance Encryption

- Leverage Intel V3 hardware acceleration

Demo

The Most Secure NoSQL Database

Now Faster and More Secure in the Cloud



Let's Make Security Easy Again



JANE CHEN
Manager, Principal
Engineer, MarkLogic