

# EQUIFAX Breach

Presentation  
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# Plan

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- Overview
  - Presentation of Equifax
  - Causes
- **What strategies should adopt by Equifax**
- Lessons learned





# Overview

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## Presentation of Equifax

Equifax is a multinational credit reporting agency, founded in 1899 and headquartered in Atlanta, Georgia. One of three major US credit reporting agencies, including Experian and Transunion (known together as “the big three”).



# Overview

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## Presentation of Equifax

- Equifax holds information of million consumers and business around the world. It sells both commercial credit reports and consumer credit reports to banks, insurance, firms, healthcare and others institutions.
- Additionally, it sells credit monitoring services, including credit fraud and identity theft prevention services. So Equifax knew enough on the economic life of millions people around the world particularly United State, Canada and British Citizens.



# Overview

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## Causes that provoked this attack

- **Non Maintenance of Cybersecurity Technologies**
  - SSL
  - Apache Struts
- **Lack of Comprehensive IT Asset Inventory**
  - Inability to “identify” the location of the server on which running Apache Struts



# What strategies should adopt by Equifax

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**Design and implement a good security policy**

**Defense Security**

**Apply IAM Standards**

**Offense Security**

# What strategies should adopt by Equifax

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## Design and implement a good security policy

### Frameworks

- NIST
- ISO 27001

### Staffing

- Restructuration of IT Security Department
- Four Departments:
  - Security Engineering and Asset Security
  - Security Operation Center
  - Emergency Operation and Incident Management
  - Program Management

# What strategies should adopt by Equifax

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## Apply IAM Standards

1. Identify
2. Authenticate
3. Authorize
4. Accountability



# What strategies should adopt by Equifax

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## Defense Security

- **Defensive security is a reactive measure taken once a vulnerability is found through prevention, detection, and response.**

# What strategies should adopt by Equifax

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## Offense Security

Offensive security seeks out the problem or vulnerability through ethical hacking and finds a solution to disable the operation

- **Pentest**
  - Inside
  - Outside

# Lessons learned

This attack can be avoided if the Equifax IT security team had applied the principles of NIST framework: Identify, prevent, detect, respond and recover.

Security is a chain and every link in this chain is important, so don't miss anything because this is the small details that hackers exploit to occur a crucial attack.

EQUIFAX





# THANK YOU!

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