

# 3 Lines of Defense for Startups



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# 3 Lines of Defense (3LOD)

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**A risk governance framework that splits responsibility for operational risk management across three functions.**

**1st line: owns and manage risk directly.**

**2nd line: oversees the first line, setting policies, defining risk tolerances, and ensuring they are met.**

**3rd line: internal audit, provides independent assurance of the first two lines.**

**(source:** <https://www.risk.net/definition/three-lines-of-defence-3lod>**)**

# 3 Lines of Defense (3LOD)

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“

A formal regulation provided by/for companies that consists of various functions that can help to nurture and preserve the companies' well-being.

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# How The Recommended Cadence be Formed

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3rd Line

IT Internal Audit

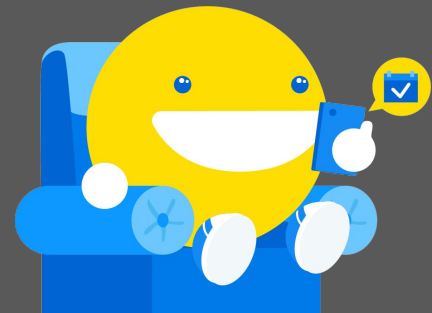
2nd Line

Information Security  
Risk Management  
IT Compliance


1st Line

Operation Team  
Process Owner

**Let's take a look  
at cases**



# Quora (2018)

MarketsTechMediaSuccessPerspectivesVideos

## Quora says 100 million users hit by 'malicious' data breach

By Rob McLean, [CNN Business](#)

Updated 0409 GMT (1209 HKT) December 4, 2018

<https://edition.cnn.com/2018/12/03/tech/quora-hack-data-breach/index.html>

TECHNOLOGYThe New York Times

## Quora, the Q. and A. Site, Says Data Breach Affected 100 Million Users

<https://www.nytimes.com/2018/12/04/technology/quora-hack-data-breach.html>

## A hacker gained access to 100 million Capital One credit card applications and accounts

By Rob McLean, CNN Business

Updated 2117 GMT (0517 HKT) July 30, 2019



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TECH

## Capital One Breach Casts Shadow Over Cloud Security



TEXT

Massive data exposure highlights sustained risk from poor information-protection practices

Capital One Financial Corp

+ Add to myFT

## Capital One data breach sparks cloud security fears

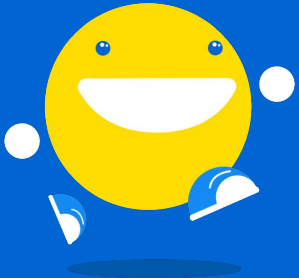
US bank's shares slide nearly 6% on fallout from hack affecting over 100m customers

Hannah Murphy and Shannon Bond in San Francisco JULY 31 2019

28



**Then how 3LODs can  
facilitate companies?**



# INFORMATION SECURITY

Offense

Defense

Security Management  
Analytics

Governance, Risk, and  
Compliance

# Why startups tend to neglect 3LODs?



**No dedicated regulation from regulators**

**Effort & cost**

**Priorities**

**Talents**



**Why is it important to  
include these functions to  
be part of Management?**

**First Responder**

**Confidential warranty**

**Internal Advisor**

**Say we've succeeded. Does  
that stop there?**



Subject Matter  
Experts (SMEs)



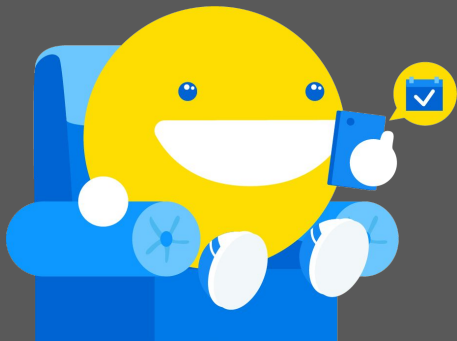
MANAGEMENT



Functions

OBJECTIVE

Continue  
Legacy





# How Tiket.com deal with 3LODs?



IMPLEMENTED



CONTINUOUS  
IMPROVEMENT



BADAN SIBER DAN  
SANDI NEGARA



3LODs exist to help nurture startups to minimize risks. It requires management support to help them secure the company.

