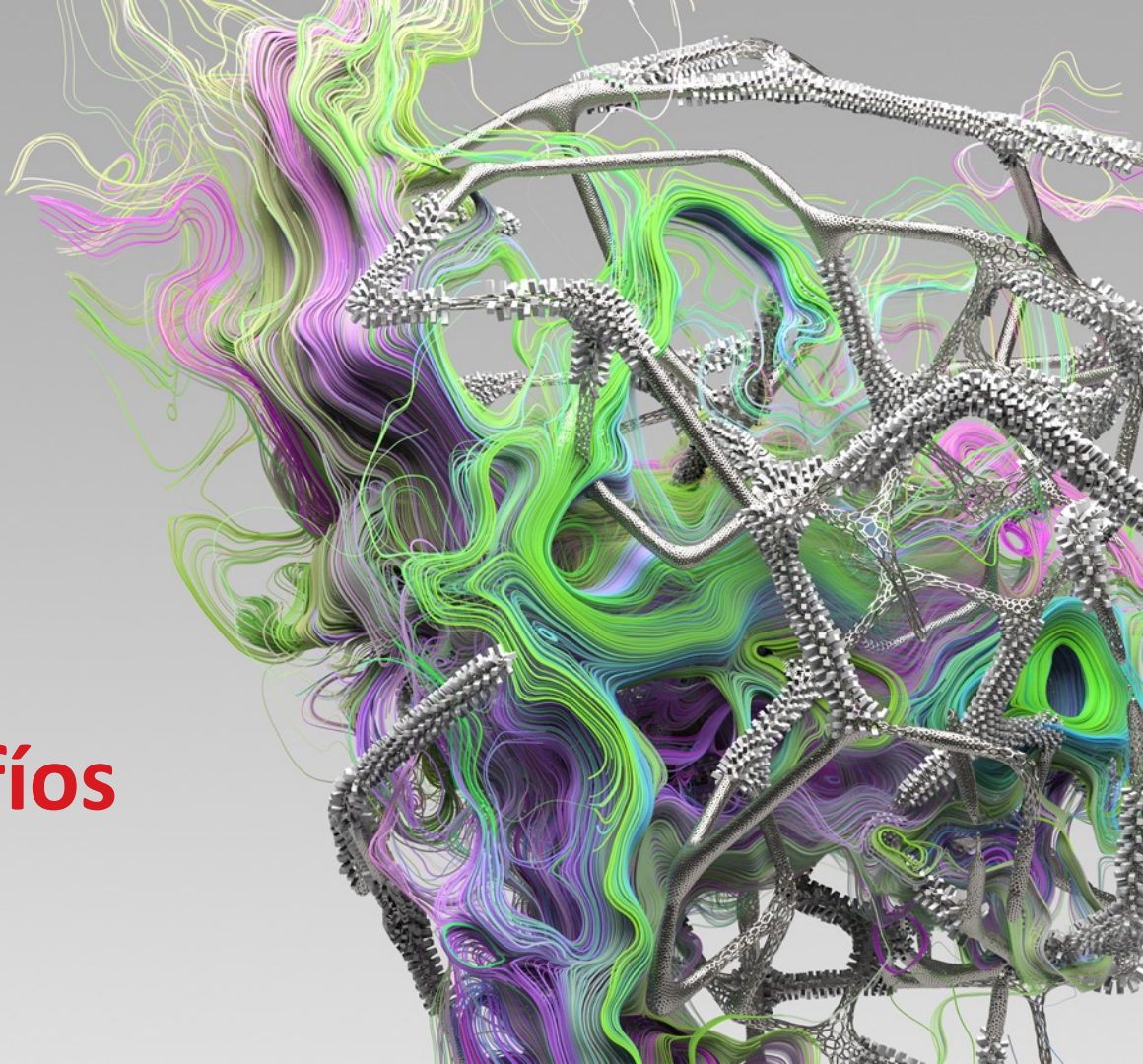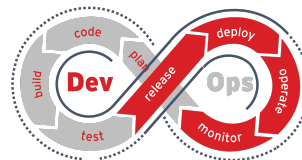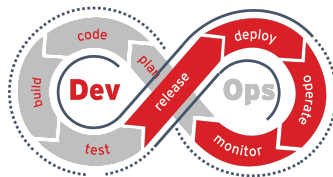# Nube
Principales desafíos
—

Vitor Corá

BDM – CloudOne Conformity

Dos tipos de empresa

DevOps

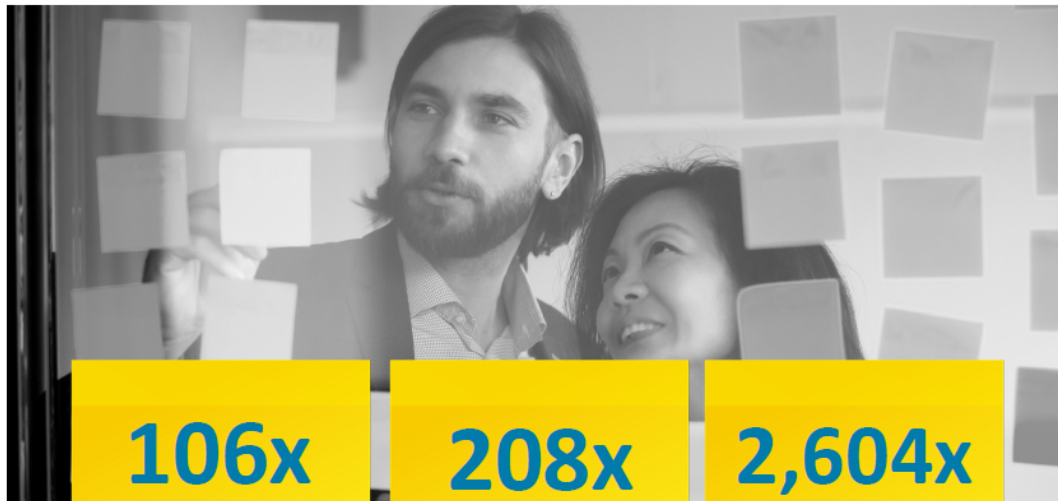DevOps increasing velocity of application delivery

DORA
DEVOPS RESEARCH & ASSESSMENT

State of DevOps 2019

106x
Faster lead time from commit to deploy

208x
More frequent code deployments

2,604x
Faster time to recover from incidents

TREND MICRO

Mercado de servicios en la Nube

aws   **Azure**   Google Cloud Platform

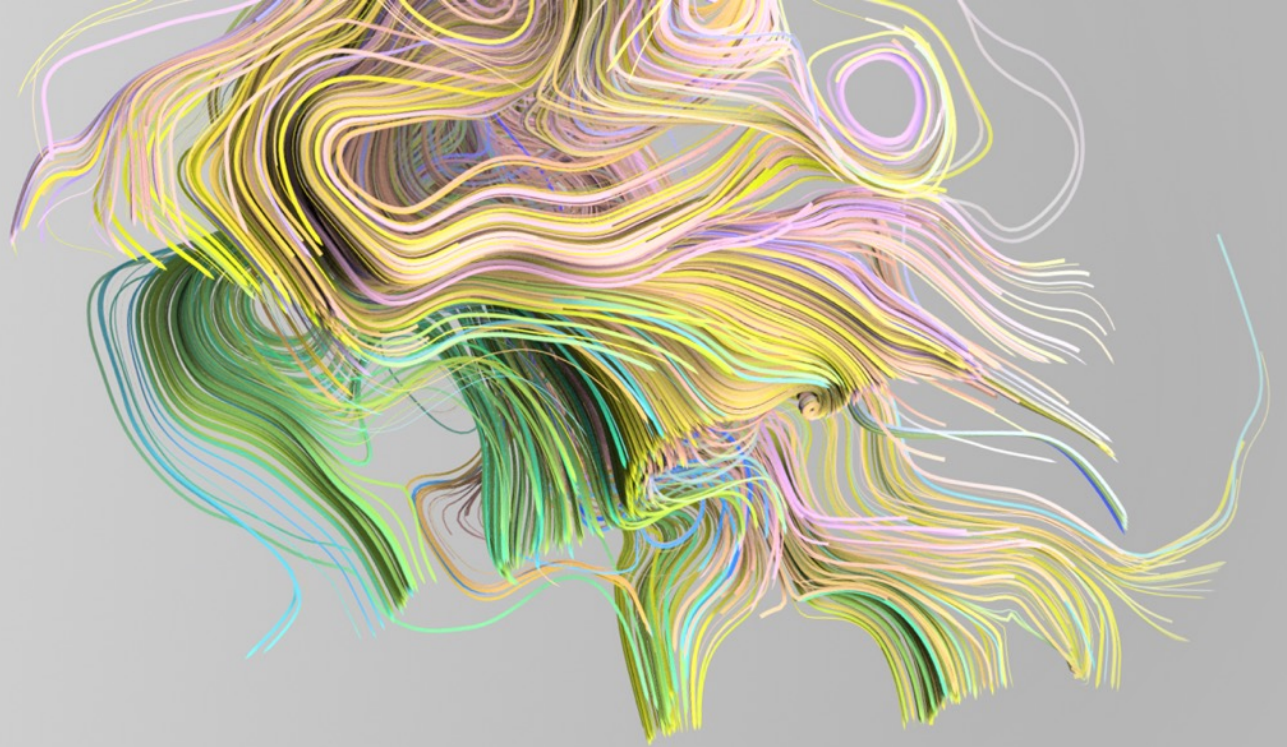IaaS – **22.2%** CAGR to 2023 **($88.4B)** (Gartner)

Serverless - By 2021, **90%** of enterprises using IaaS will also use some serverless PaaS in production, up from 10% at YE17 (Gartner)

Containers – **35%** of organizations using containers by 2019 in production (Gartner)

Cloud market – by 2022 will be **$331.2B** at a CAGR of **16.1%** (Gartner)

TREND MICRO™

Desafío

TREND MICRO™

Gran cantidad de servicios de la nube

Number Of AWS Services

aws

165+

25

2013   2014   2015   2016   2017   2018   2019
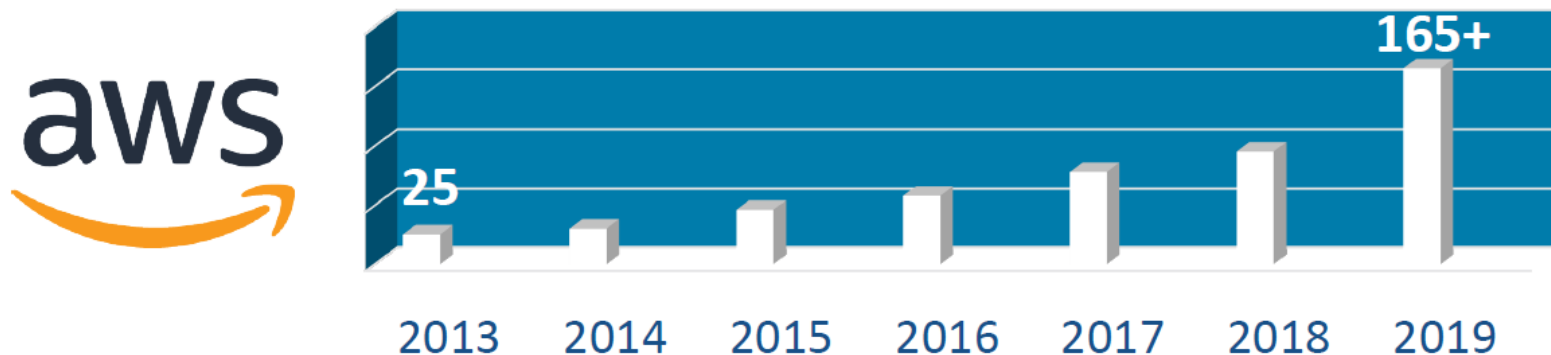
Source: Cloud Peg Board 2019

TREND MICRO™

Gran cantidad de servicios de la nube

Curvas de aprendizaje pronunciadas para desarrolladores, que pueden conducir a omisiones de las mejores practicas en las configuraciones.

La seguridad generalmente no es una prioridad en las primeras etapas de la innovación. Provocando gaps de seguridad.

Source: http://www.comptia.org/resources/5th-annual-trends-in-cloud-computing

Top 5 de Fallas de configuración

Storage

Secrets

Disabled Logging & ...ring

Containers and
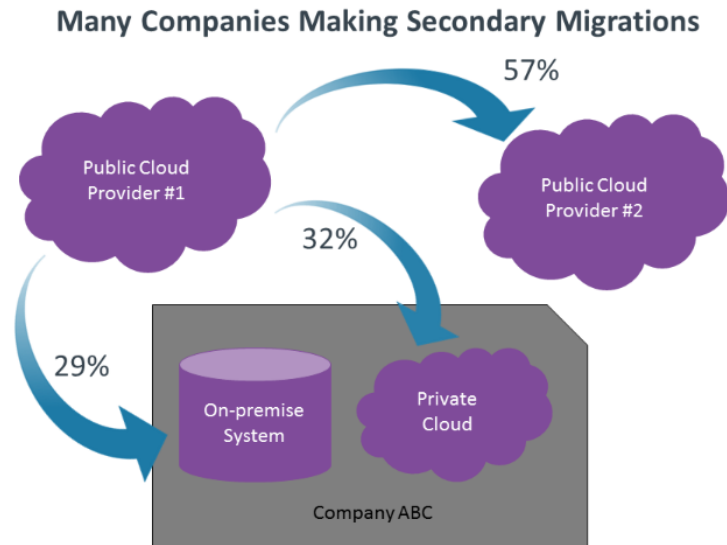Virtual Machines

According to Gartner, "Through 2023, at least 99% of cloud security failures will be the customer's fault." Gartner also states, "Through 2024, organizations implementing a CSPM offering and extending this into development will reduce cloud-related security incidents due to misconfiguration by 80%."

Source: Gartner, Inc.; Innovation Insight for Cloud Security Posture Management; 25 January 2019 | G00377795

Source: DarkReading – Sept 2019

TREND MICRO

Dificultades en la migración

Difficulty in Moving from Stage to Stage

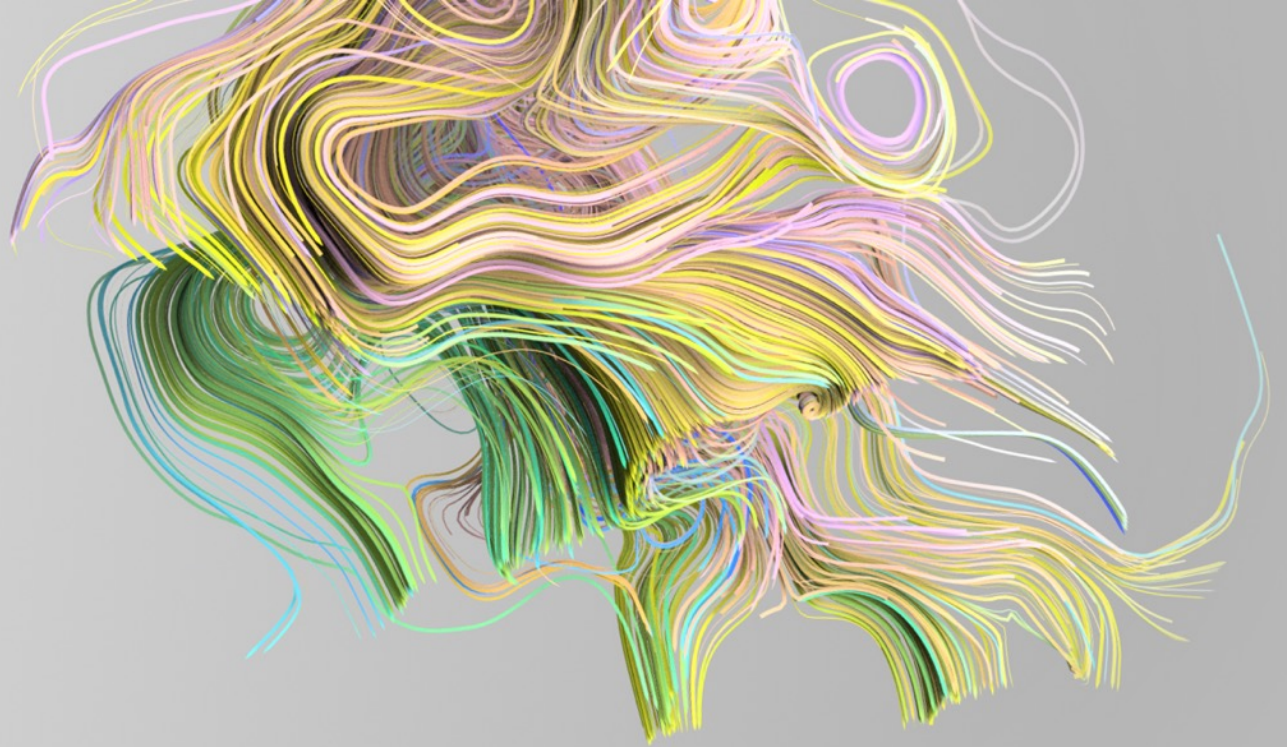Experiment → Non-critical Use: 35% | 38% | 28%

Non-critical Use → Full Production: 21% | 45% | 35%

Full Production → Transformed IT: 13% | 24% | 63%

Typical/low effort · Moderate effort · Significant effort

Many Companies Making Secondary Migrations

57%
32%
29%

Public Cloud Provider #1
Public Cloud Provider #2
On-premise System
Private Cloud
Company ABC

Source: http://www.comptia.org/resources/5th-annual-trends-in-cloud-computing

Y cómo podemos ayudar?

TREND
MICRO™

Trendmicro Cloud One| Overview

Security Services Platform for Cloud Builders

Security for serverless functions, APIs, and applications

File scanning for cloud storage services

NEW **NEW**

Application Security

File Storage Security

NEW

Image scanning in build pipeline
*(based on
Deep Security Smart Check)*

Container Image Security

aws Google Cloud
Microsoft Azure vmware

Conformity

Assurance cloud infrastructure is configured securely

Cloud Conformity

Workload Security

Network Security

NEW

Runtime container and workload

Network layer IPS to

(based on Deep Security with ...)

Cloud-native, SaaS-based platform with the most extensive set of cloud security services

TREND MICRO | TippingPoint
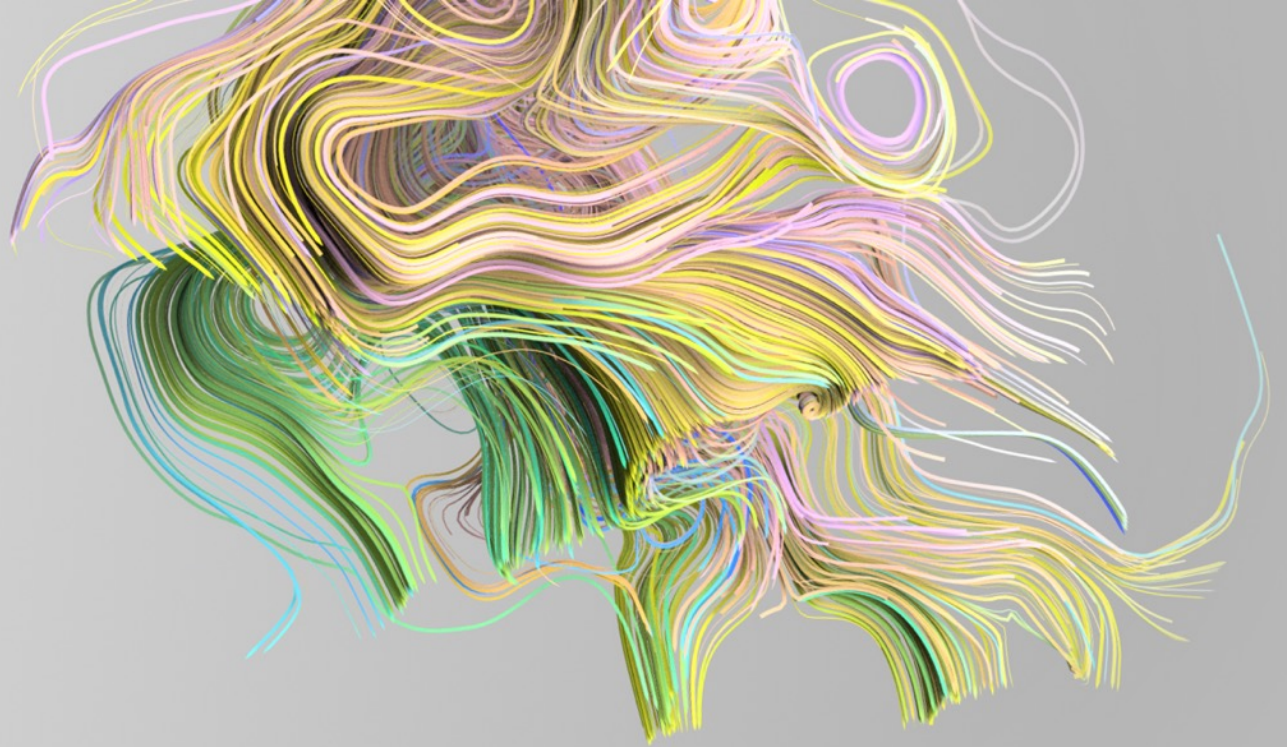
TREND MICRO

Cloud Conformity - Demo

TREND MICRO™

THE ART OF
CYBERSECURITY

CWLDAY | AVALORA

Unknown threats detected and stopped over time by Trend Micro. **Created with real data by artist Brendan Dawes.**