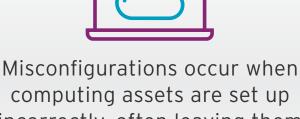


MISCONFIGURATIONS: AVOID THE RISK

WHAT ARE MISCONFIGURATIONS?



incorrectly, often leaving them vulnerable to malicious activity.1

of all security issues start with

65-70%

misconfigurations.²

HOW DO

THEY HAPPEN? **5 mistakes** that cause misconfigurations:

Storage access **Cloud users** wrongly assume

that "authenticated users" covers just their organization, in actuality, this refers to anyone with an Amazon Web Services (AWS) account.

"Secrets" management

Some enterprises

their "secrets"

credentials, etc.),

(passwords,

fail to properly secure

exposing their data to malicious actors.

Without proper review, an organization can miss important

Disabled logging

and monitoring

maintenance alerts or security-related events, putting them at risk for serious security implications. 4249/0

machines **Businesses often** forget to shut down legacy ports and protocols, essentially leaving the door open to potential attacks.

Overly permissive

access to hosts,

containers,

and virtual

increase in data breaches resulting from cloud

misconfigurations by

human error³

Without systems to check and identify misconfigurations as they occur, businesses

have no way to know of

Lack of

validations

and properly address security flaws.

WHAT ARE THE **IMPACTS?**







but also is detrimental to customer trust and

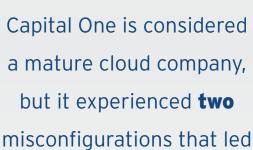
WINY IT IS IMPORTANT



TO YOU:

Anyone is at risk

last 5 years combined records exposed



to 100,000,000 sensitive

records exposed

100,000,000

Shared responsible model is tricky -You may not be pulling your weight the way you thought you were

Customer

Responsibility for

security 'in' the cloud

HOW TO

MANAGE:

Google Cloud (-) Alibaba Cloud

Customer Data

Platform, applications, identity & access management

Operating system, network & firewall configuration

Server-side encryption

(File system and/or data)

Software

Networking traffic protection

(encryption, integrity, identity)

4 hyperscale cloud

providers experienced 2

service vulnerabilities in the

aws

Microsoft Azure

Cloud Vendor Compute Networking Storage Database Responsibility for Hardware/global infrastructure security 'of' the cloud Availability zones Regions **Edge Locations**

Client-side data

Encryption & data integrity

Check permissions controls



Check for policy

compliance before

provisioning

compliance

Audit for

misconfigurations and

Choose the right

CSPM tool



Central visibility across a single, multi-cloud dashboard.

Easy to use UI and full API coverage

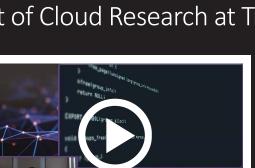
The Conformity **Knowledge Base** helps developers run checks and remediate any failures

with a free 30-day trial of Conformity.

See how you can manage misconfigurations

Try it for free

Learn more about cloud security and the risks misconfigurations pose in this video by Mark Nunnikhoven, Vice President of Cloud Research at Trend Micro.



- https://www.infosecurity-magazine.com/opinions/misconfiguration-cloud/ ² https://www.trendmicro.com/en_ca/research/21/a/the-top-worry-in-cloud-security-for-2021.html ³ https://newsroom.ibm.com/2018-04-04-IBM-X-Force-Report-Few-er-Records-Breached-In-2017-As-Cybercriminals-Focused-On-Ransomware-And-Destructive-Attacks ⁴ https://www.techrepublic.com/article/cloud-misconfigurations-cost-companies-nearly-5-trillion/ [IG01_Misonfigurations_210224US]