SECURING IDENTITY AND ACCESS IN THE PUBLIC CLOUD

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Ermetic

Background

- CEO & Co-founder @ Secdo - Acquired by Palo Alto Networks for $100M
- CEO @ Integrity Project – Acquired by Mellanox
- Officer @ 8200 - specializing in Cyber Security
- Talpiot Graduate

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The Public Cloud is key to Digital Transformation

Public Cloud is a Huge Opportunity

- Market Size > $100B
- CAGR > 17%
- Accelerate time to market
- Changing the way we develop Software

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But every change has a price

Early data breaches had obvious causes

Failing to secure the CSP control plane

Code Spaces

- In June 2014, the AWS account of Code Spaces was compromised
- The company failed to protect its administrative console with multi-factor authentication
- The business was forced to close after the destruction of its assets

THE DEEP END

By Paul Venezia, Senior Contributing Editor, InfoWorld | JUN 23, 2014

Murder in the Amazon cloud

The demise of Code Spaces at the hands of an attacker shows that, in the cloud, off-site backups and separation of services could be key to survival

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But every change has a price

HONDA experian alteryx accenture

Leaving sensitive S3 buckets publicly accessible

- Alteryx exposed an AWS S3 bucket containing private data of 123 million American households (the data set belonged to Experian which sold the data to Alteryx, a marketing firm)
- Accenture left four AWS S3 buckets unsecured, exposing highly sensitive passwords and secret keys
- Honda left a trove of data stored on two unsecured, publicly accessible and unprotected AWS S3 Buckets

ZDNet CXO HARDWARE MICROSOFT STORAGE INNOVATION APPLE SECURITY MORE NEWSLETTERS ALL WRITERS

Accenture left a huge trove of highly sensitive data on exposed servers

The four exposed servers had no password, but contained the "keys to the kingdom."

Basic configuration errors left data exposed

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And the proliferation of IaaS/PaaS resources introduces new risks

But every change has a price

VOIPO EXACTIS LevelOne Robotics and Controls, inc.

Exposing sensitive databases

- Voipo exposed a database that contained call and message logs dating back 3 years
- Exactis left an Elasticsearch database publicly accessible, resulting in a breach of PII of 230 million U.S. consumers
- Level One Robotics, exposed sensitive proprietary information of more than 100 manufacturing companies, through a server that allowed unauthenticated data transfer to any rsync client

SC MEDIA

July 23, 2018

Tesla, VW data was left exposed by supply chain vendor Level One Robotics

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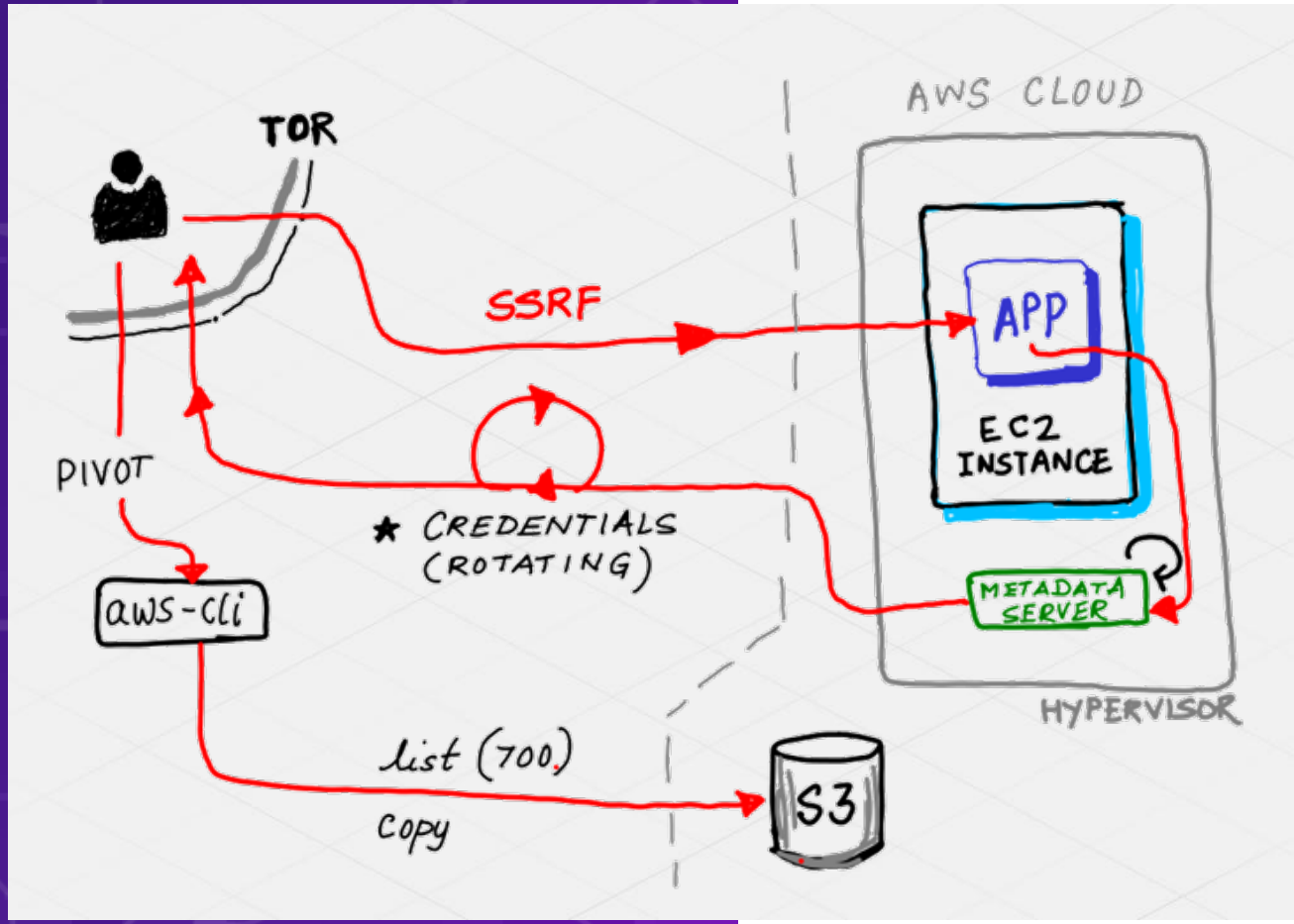
Capital One

CASE STUDY

Poor Access Controls Lead to Cloud Breaches

- Compromised Machine
- Excessive access
- No perimeter



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It’s all about Entitlements & Privileges

“By 2023, 75% of security failures will result from mismanagement of identities, access & privileges”

Gartner, 2020

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A CLOUD SECURITY PLATFORM, PROVIDING
CLOUD IDENTITY & ACCESS GOVERNANCE

AND SOLVING THE GREATEST
SECURITY CHALLENGES

THROUGH
CONTINOUS ANALYTICS
AND
AUTOMATION

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ERMETIC

- FOUNDED EARLY 2019
- PALO ALTO, BOSTON & TEL-AVIV
- RAISED ~30M USD (ACCEL, NVP, GCP, TG)
- DOZENS OF CUSTOMER DEPLOYMENTS
- UNIQUE & EXPERIENCED LEADRSHIP TEAM

THANK YOU