





A Journey to the Cloud: Fly Away Little Buddy

Jeremiah C. Johnson, CISSP – Regional Cloud SE

About Me:

Fortinet Cloud SE (17 years InfoSec)

Married w/ 2 kids and we love Disney

Chillicothe, Ohio

Southern Ohio Forest Rally

Volunteer





















Agenda

- Cloud Security Update
- Shared Responsibility Model
- 7 R's Migration Strategies
- Questions



Flexera "State of the Cloud Report" 2022

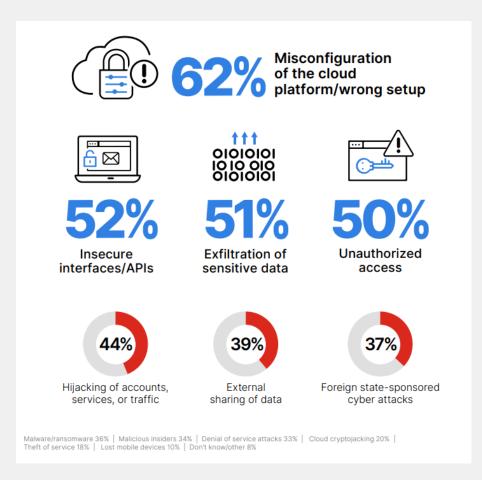
Security is the #1 Challenge

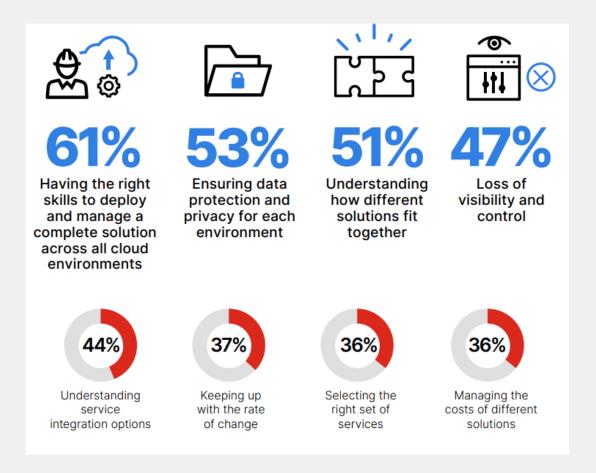
to cloud adoption in 10 of the last 11 years.





What do you see as the biggest challenges & security threats in public clouds?





Security Threats

Challenges



Gartner predicts that by 2025, APIs will be the #1 attack vector.

Source: Gartner Webinars, 2022

Uber suffers new data breach after attack on vendor, info leaked online

T-Mobile hacked to steal data of 37 million accounts in API data breach

By Sergiu Gatlan

January 19, 2023 05:19 PM 3





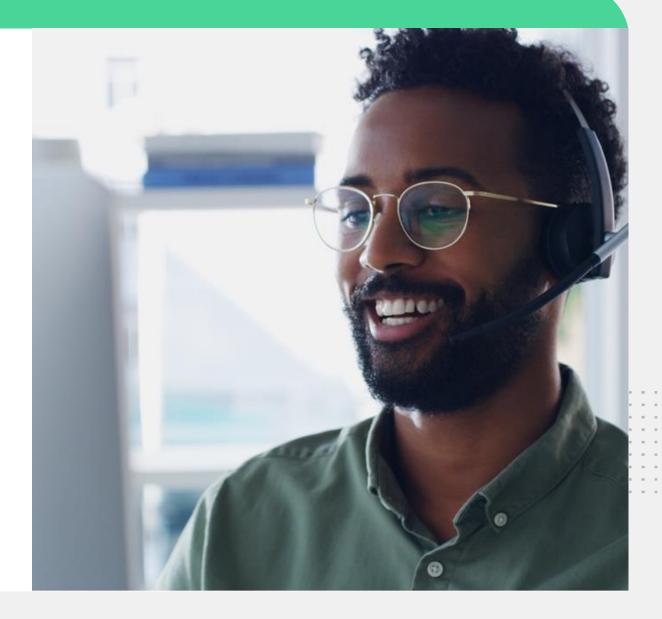


The New Reality: Hybrid and Multi-Cloud Environments

Complex security needs for on-premises data centers and cloud environments

Organizations must protect data spread across many edges, users, systems, devices, and critical applications across a network







Convergence & consolidation enables better protection, performance & productivity.



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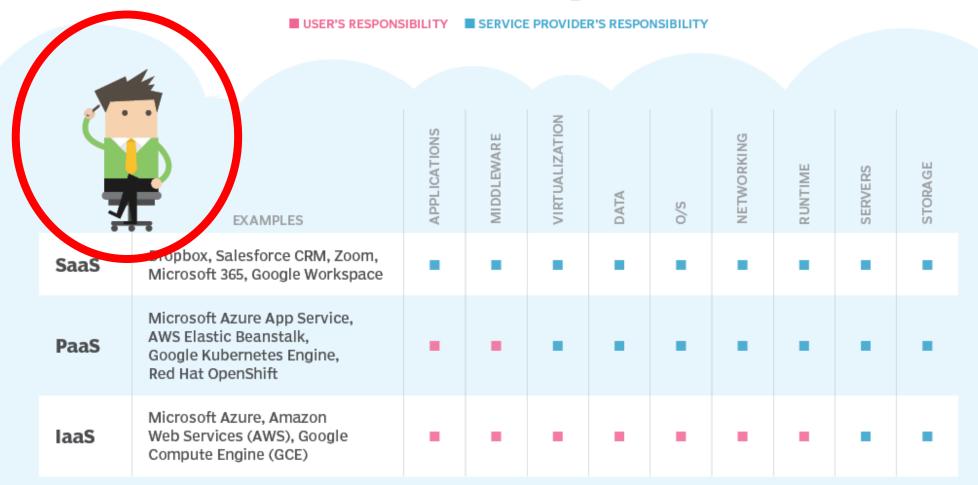
Number of security tools large enterprises have to manage.

Panaseer 2022 Security Leaders Peer Report





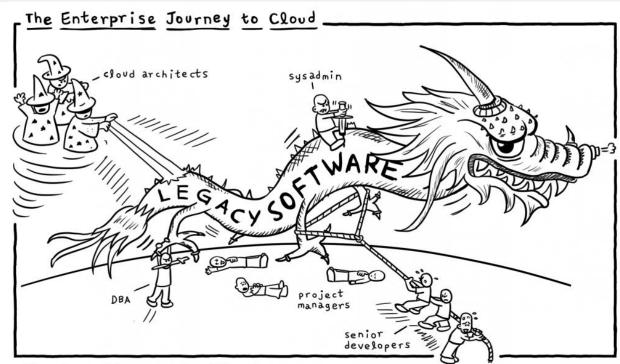
Guide to the shared responsibility model

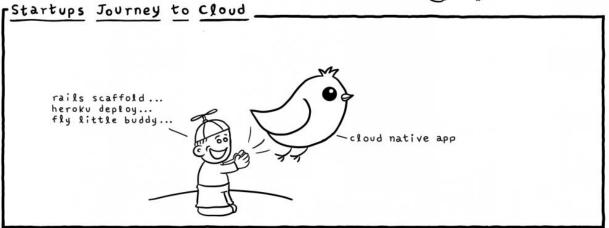




What does your journey look like?

7 Common migration strategies





Daniel Stori {turnoff.us} Thanks to Michael Tharrington





7R's Cloud Migration Strategies



REHOST



REPLACE



REFACTOR



RETAIN



RETIRE



REPLATFORM



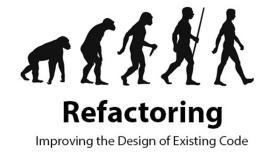
RELOCATE





"Re-architect"

- Re-imagine how the app is built, typically utilizing cloud-native features
- Adding new features or scalability
- Typically the most expensive







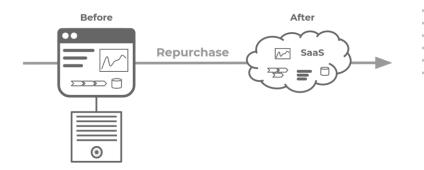
- "Lift, Tinker & Shift"
- Optimize the application to achieve cloud benefit without changing the core app.
- For example, you might utilize a Microsoft SQL Server database to Azure SQL for SQL Server (laaS)







- "Drop and Shop"
- Fastest way to access the cloud-based SaaS
- Moving outdated on-prem CRM software to something like SalesForce or HubSpot







- "Lift & Shift"
- Simply move applications to the cloud with no changes.
- Limited advantages of "the cloud"
- Once migrated to the cloud, one should consider a re-architecture



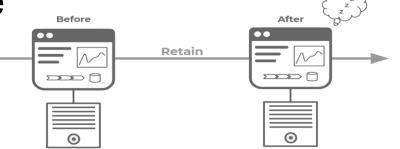


- Hypervisor-level lift & shift
- Move infrastructure to the cloud without new hardware, rewrite apps or modify existing operations
- Transfer VMware to VMware Cloud on AWS





- Hybrid or remain on-prem
- When it doesn't yet make sense to move to the cloud. IE too difficult, too expensive or close to retirement
- Security or compliance, physical dependencies or no value





- Ride off into the sunset
- No business value in retaining app or migrating to the cloud
- Eliminate costs





Q&A



Contact:

jjeremiah@fortinet.com

740.703.4251





Cars & Cloud @ Southern Ohio Forest Rally



https://events.fortinet.com/carsandcloud_forestrally/



