

A DevOps Mario Developer Game Challenge with GRC

Multilevel Mario Engineer Challenge



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ABOUT ME

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Solutions Architect | DevOps Advocate



MISSION

Make your life better, Make others life better, Make the world better

Community













Pictures Courtesy:
Internet
Super Mario Games (https://www.nintendo.com/)



A Developer on A Mission









Challenges to Unlock







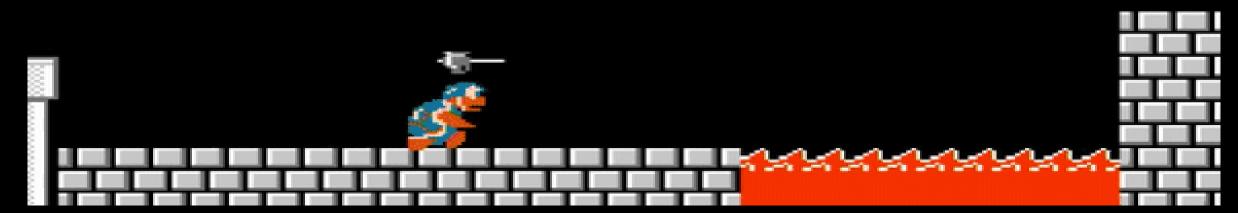








What is this one? Oh Governance!!!



How fast could you deliver Customer Value?

Most Enterprises/IT Organizations like Mario Game Challenge

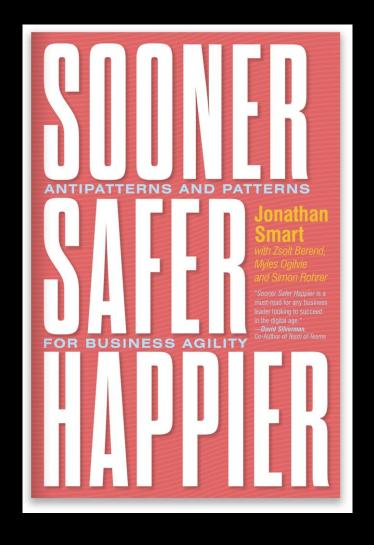
Mario (Dev, Testers, Ops) go thru these levels

From Here to Where?

The most critical metric is: how long it takes for an innovative idea to reach a customer

- Adrian Cockcroft, Vice President of Cloud

https://d1.awsstatic.com/executive-insights/en US/ebook-cloud-for-ceos.pdf



Using Old Ways of Thinking to Apply new Ways of Working

- Jonathan Smart

https://itrevolution.com/sooner-safer-happier/

Centralize Governance "to" Decentralized Governance

Organizations today are subject to many regulations governing the protection of confidential information, financial accountability, data retention and disaster recovery, among others. They're also under pressure from shareholders, stakeholders and customers.

https://www.cio.com/article

"IT governance is the responsibility of executives and the board of directors, and consists of leadership, organizational structures, and processes that ensure that the enterprise's IT sustains and extends the organization's strategies and objectives."

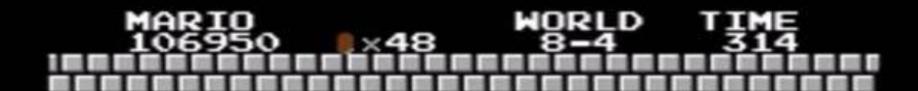
https://www.architectureandgovernance.com/

Compliance tick boxes "to" Compliance as Code

'Compliance as Code' can be summarised as the organisational capability to automate the implementation, verification, remediation, monitoring and reporting of compliance status.

Faking security controls "to" Baking them in delivery pipelines

No to tedious audits "to" Yes, to automated evidence



THANK YOU MARIO!

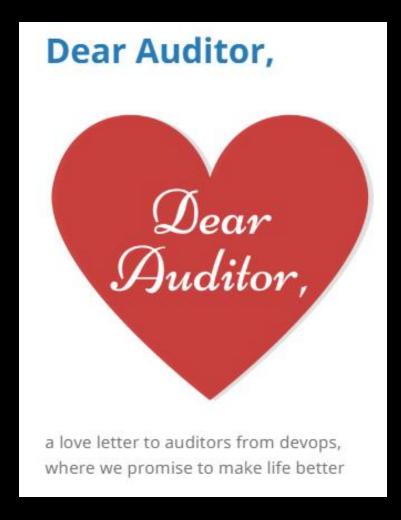
YOUR QUEST IS OVER.
WE PRESENT YOU A NEW QUEST.

PUSH BUTTON B

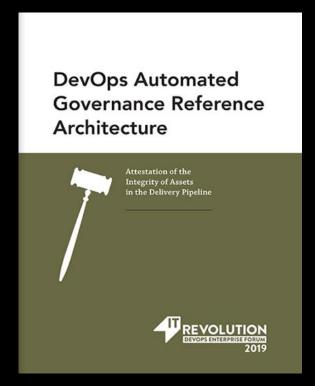
TO RELEASE



How fast could you deliver Customer Value?



http://dearauditor.org/



As more and more DevOps practices are automated, it becomes harder to capture the data required to ensure all security and compliance concerns are met. Organizations need an automated way to track governance throughout the entire software delivery process so they can attest to the integrity of all assets and to the security of all running applications.

https://itrevolution.com/book/devops-automated-governance-reference-architecture/

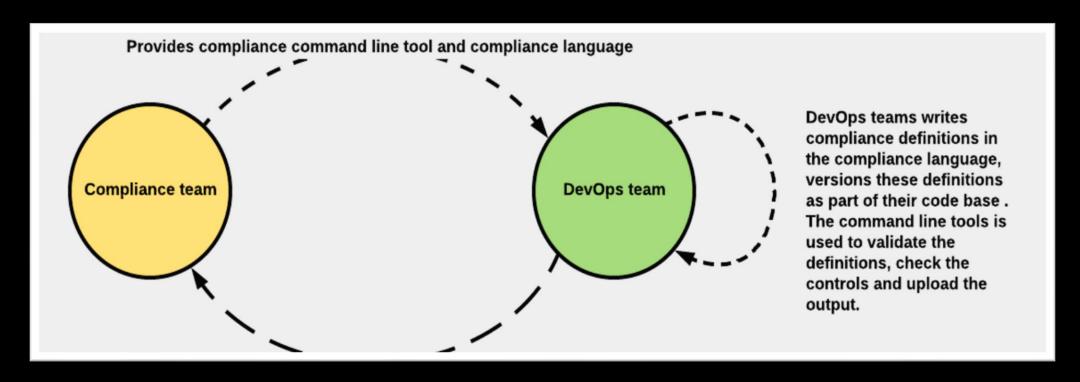


The intent of this paper is to provide greater choice and options for corporations to consume cloud computing services by automating manual cloud governance processes. This paper seeks to accelerate compliance at the speed and scale of DevOps.

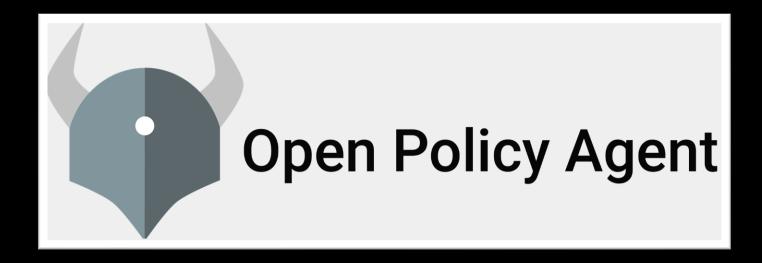
onuc

https://www.onug.net/app/uploads/2020/05/ONUG WP Automated-Cloud-Gov Final.pdf

Compliance as programming language



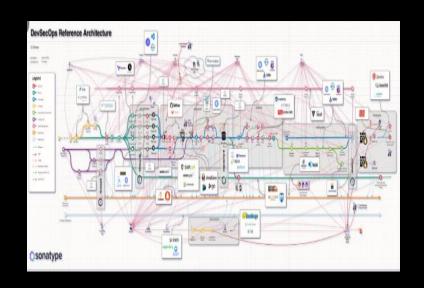
https://medium.com/faun/compliance-as-programming-language-da25f11be9d2



Policy-based control for cloud native environments

Flexible, fine-grained control for administrators across the stack

https://www.openpolicyagent.org/



Successful DevSecOps practices encompass people, processes, tools, and measurement. But where should you start, how can you validate your existing practices, or what are the possibilities? Then answer the following:

- •Where can we further automate manual, security, and business tasks?
- •What DevSecOps tools and integrations are others deploying?
- •What interactions do we need to be aware of or map out?

https://www.sonatype.com/referencearchitecturetestdrive

Thank you





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