



Cloud Security in a Digitally Transformed World

A mini whitepaper

- 1 Cloud security and business transformation agility are at crosshairs
- 2 You can't secure cloud workloads with manual tools and traditional technologies
- 3 Security automation drastically simplifies compliance management



DIGITIZATION

Organizations of all sizes are going through a digital transformation journey. While businesses need agility to progress, IT security and compliance management seem to hold them back.

This report drafts a need to simplify security and compliance management with automation tooling and DevOps principles.

1. Agility is the primary reason for cloud adoption

Cloud Computing Drives Business Agility

A healthy, growing business is a risky business. Why? Modern businesses must innovate, change and grow continuously to stay ahead of the competition and cloud adoption is broadly touted to be the driver of that agility.

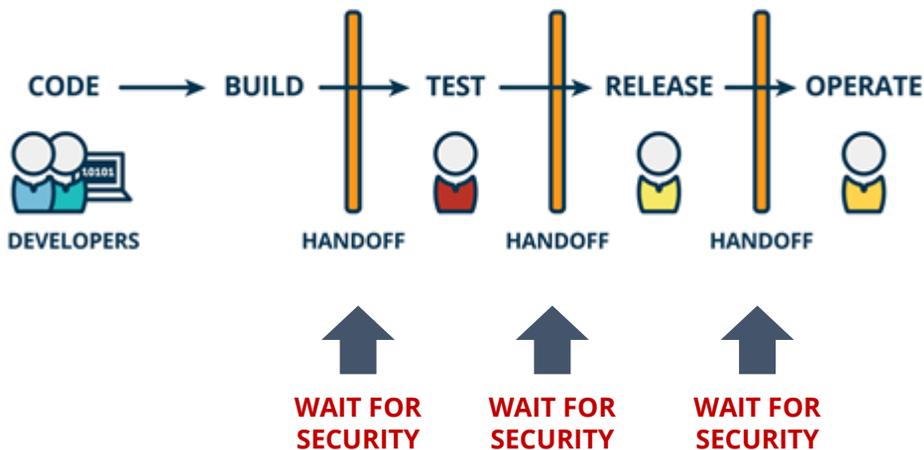
However, from a security viewpoint, all this fast paced changed is a problem.



Traditional DevOps

DevOps, as a cross-functional mode of working, drove sets of practices, toolchains and reduced the time between committing a change to a system to rolling out the change to production environments.

However, information security professionals, processes and tools has been still out of the purview of the DevOps led transformation that businesses are adoption. This leads to bottlenecks at each of the lifecycle stage handoffs. And in many cases offsetting the entire momentum due to the wait times required for "signoffs" before value is realized.



2. You can't secure cloud workloads with manual tools and traditional technologies

In a 2017 survey by Forrester, North American enterprise decision makers vehemently indicated the need of imbuing security into development and operations. Misconfiguration of cloud is often touted as the biggest risk to the modern workloads

#1 risk

Misconfiguration of the cloud platform/wrong set-up



62%

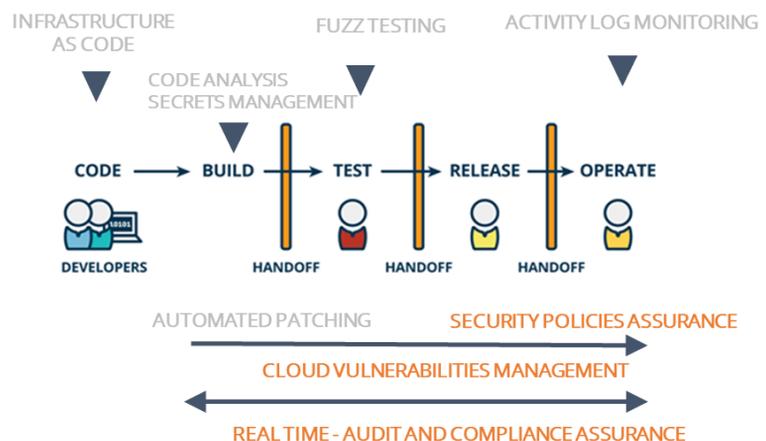
SOURCE: 2018 CLOUD SECURITY REPORT

- 1 In an elastic environment, Manual breach detection will not work.
- 2 You need centralized visibility and control over a high volume of workloads.
- 3 Information Security must match the speed of DevOps.
- 4 Confidentiality, availability, and integrity requirements also apply in the cloud
- 5 Cloud compliance is more complex than ever before.
- 6 Traditional on-premises tools are expensive and don't scale well.

Enter DevSecOps: Security Automation For Your Entire Software Development Lifecycle

Incorporating security controls across all stages of the development lifecycle **ensures** safe, secure and compliant cloud adoption.

A governance program that automates proof of visibility into workload configuration with real-time prevention, detection and remediation controls assures ongoing confidence into managing business risks.



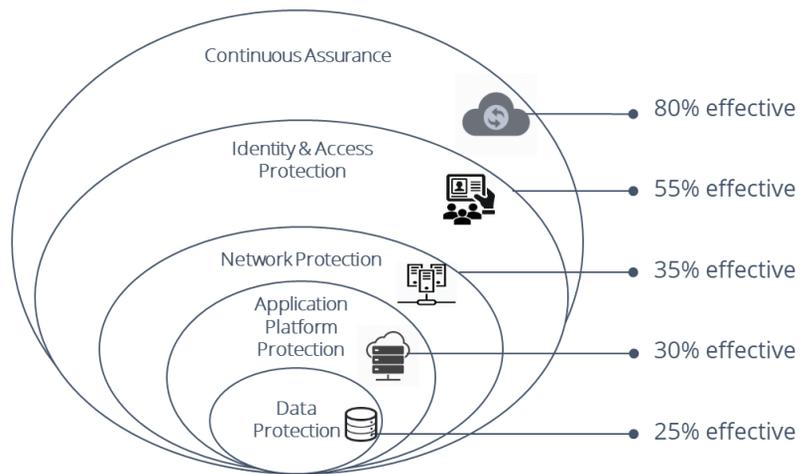
3. Security automation drastically simplifies compliance management

IT Security and Compliance requires dedicated resources, a good governance program design and oversight by senior management to be truly effective.

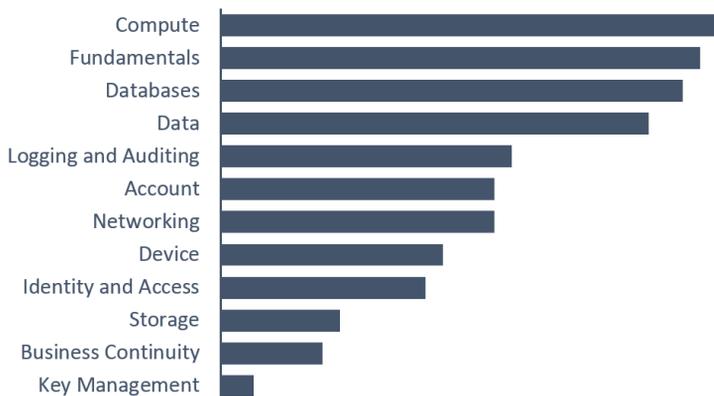
However, lack of automation results in greater effort and directly impacts the frequency of assessments. IT audits remain a mainly manual and infrequent occurrence for most part.

Continuous assurance for cloud workloads is known to have the most effective strategy, reducing security and compliance costs.

Automation reduces the size of the teams required to achieve a smoother security operations, helping business move their focus on business agility.



Maintain Control Of Your Security And Compliance Posture



- 1 Deep coverage across all layers of the application stack
- 2 Influences good practices across the entire organization
- 3 Automates relevant Industry compliance frameworks, laws and regulatory controls

About Cloudneeti

Kickstart Engagement

Cloudneeti helps customers realize value within 3 weeks. We provide a range of engagement options to assist customers with implementation of cloud workload security best practices.

PROOF OF CONCEPT 

Test drive Cloudneeti for your Azure and Office 365 workloads

ASSESSMENTS 

Baseline your cloud security and compliance posture

BLUEPRINT ARCHITECTURE 

Readiness workshops with a focus on Azure Security & Compliance Blueprints. <https://aka.ms/blueprint>

Product Information



Automated reporting available for numerous and ever growing list of benchmarks.



RBI - India



Dashboards and detailed reports provide real time visibility and enforcement controls across hundreds of security policies

Cloudneeti is a global leader in Cloud Workload Assurance, a privately held company headquartered in Redmond, WA, USA with offices and development centers in US, India and Eastern Europe, enables organizations to accelerate cloud adoption by proactively managing their security and compliance posture natively. Leveraging native cloud APIs, Cloudneeti solves the challenges of managing security and compliance by providing instant visibility of cloud security posture, active validation of cloud configuration & compliance, and ongoing governance of cloud assets.

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