



# DELIVERING ON THE PROMISE:

## CONTINUOUS SECURITY & COMPLIANCE IN PUBLIC CLOUD

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# AGENDA

1

The Cloud Changes Everything

2

Evolving Continuous Compliance

3

Formulating Your Cloud Strategy

4

Armor Automated Compliance—Prisma Public Cloud

5

Q & A

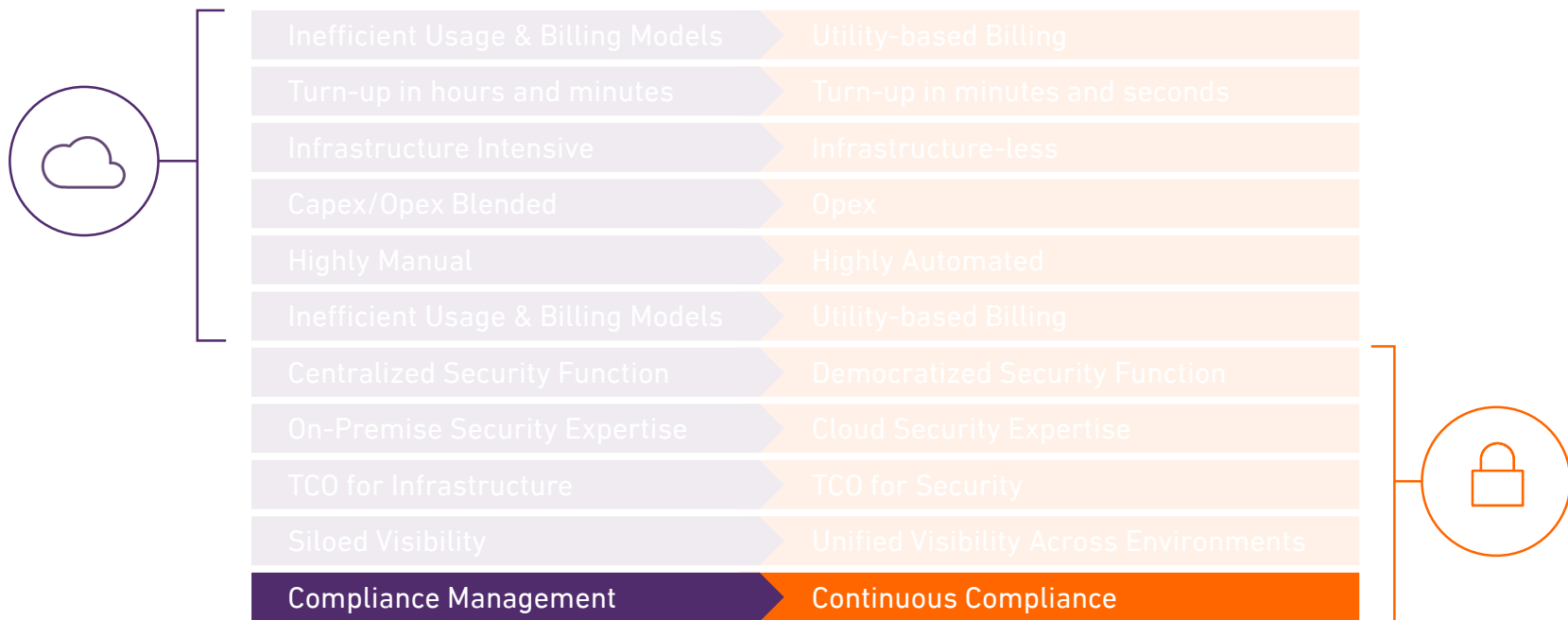


# CLOUD CHANGES EVERYTHING

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# THE CLOUD HAS CHANGED EVERYTHING

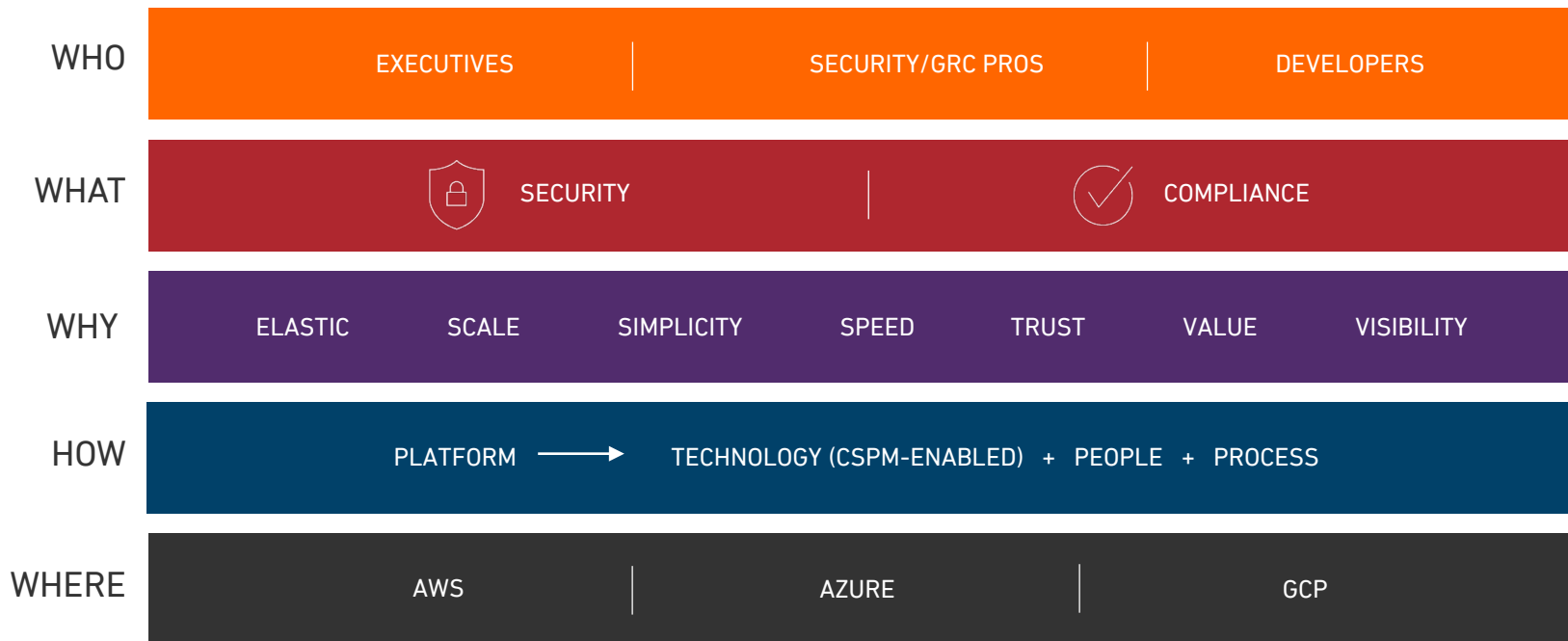


# WHAT IS CONTINUOUS COMPLIANCE?



CONTINUOUS COMPLIANCE  
HAS BEEN A SET OF MANAGING  
PRINCIPLES FOR ONGOING  
COMPLIANCE ADHERENCE  
AND PERIODIC ATTESTATION.

# CONTINUOUS COMPLIANCE IN THE ERA OF THE CLOUD





# PROBLEMS THAT KEEP A CISO AWAKE AT NIGHT



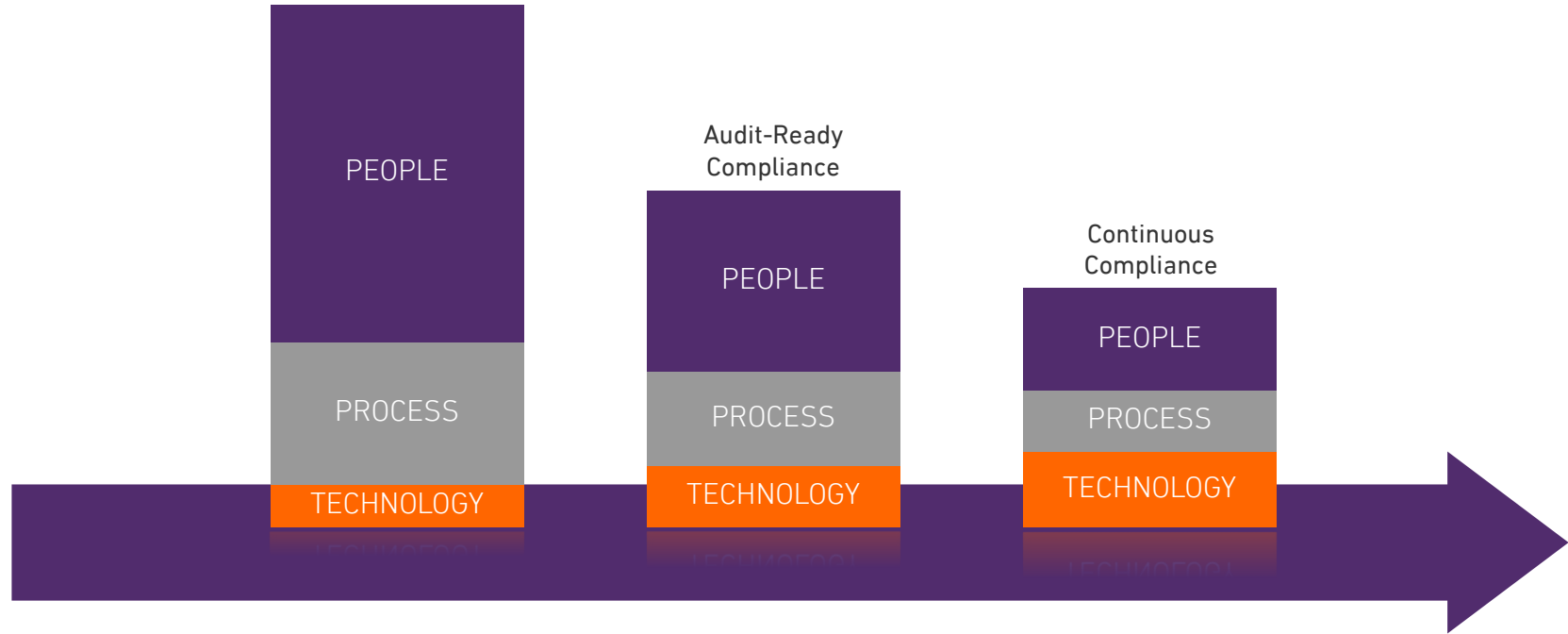
Lack a holistic strategy to minimize the impact of a breach

Require a cloud security readiness plan







Expanded attack surface driven by digital transformation initiatives

Risk management and cost reduction/avoidance

# CONTINUOUS COMPLIANCE = COMPLIANCE AT SCALE



# CONTINUOUS COMPLIANCE = COMPLIANCE AT SCALE

	MANUAL-INTENSIVE COMPLIANCE	AUDIT-READY COMPLIANCE	CONTINUOUS COMPLIANCE
 Compliance Activities	Quarterly/Annually	Periodic	Continuously
 Compliance Behavior	"Certified"	"Actual" - Managed	"Actual – Advanced"- Continuous
 Security Compatibility	Compliance does not mean Secure	Cloud Security Parity	Enhanced Security Parity
 Automated Discovery	—	—	●
 Automated Scanning	—	—	●
 Automated Remediation	—	—	●

# AUDIT-READY COMPLIANCE

ARMOR SECURITY SERVICE	PCI DSS COMPLIANT	HIPAA COMPLIANCE	HITRUST	GDPR	RISK MITIGATION
<b>NETWORK LAYER</b>					
Intrusion Detection	•	•	•	•	Malicious allowed traffic
IP Reputation Filtering	•	•	•	•	Activity from known bad sources
Vulnerability Scanning	•	•	•	•	Exploits due to missing patches/updates; improper network firewall configuration
<b>SERVER LAYER</b>					
File Integrity Monitoring	•	•	•	•	Monitoring unauthorized changes to critical files
OS Patching/Updating/Monitoring	•	•	•	•	OS weaknesses Malware Protection
Malware Protection	•	•	•	•	Operating system weaknesses malware protection
Log Management	•	•	•	•	Detection of malicious activity
<b>ADMINISTRATIVE CONTROLS</b>					
Incident Response	•	•	•	•	Response to security incidents
Security Audits	•	N/A	•	•	Validation of controls program
Business Associate Contract	N/A	•	•	N/A	Legal liability for data loss/breach

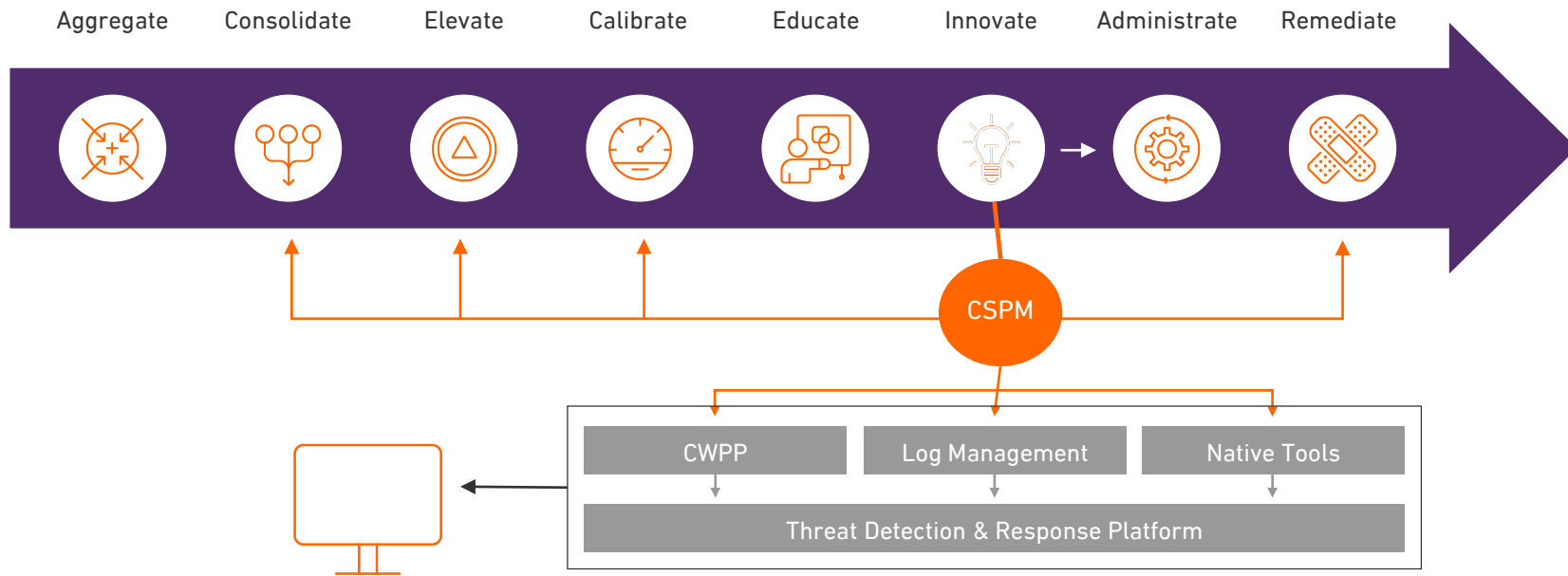
# CLOUD SECURITY POSTURE MANAGEMENT (CSPM) AT WORK

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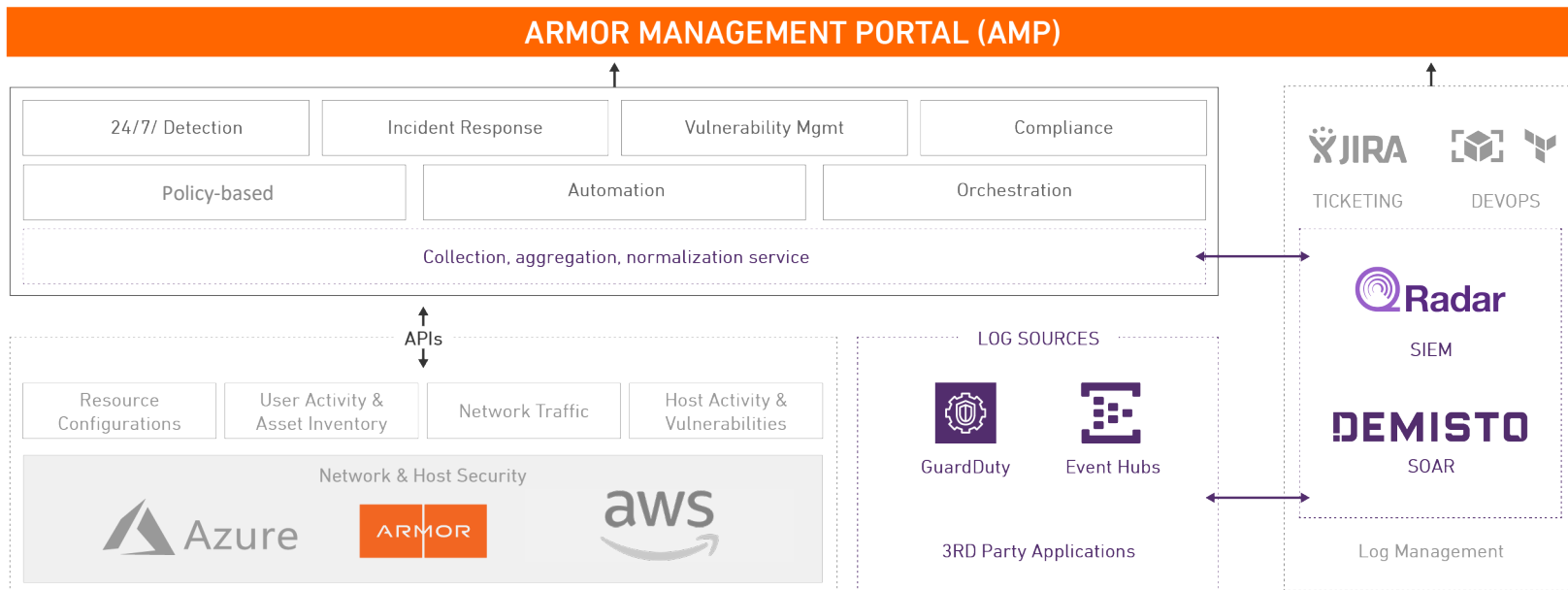


# ENACTING CONTINUOUS COMPLIANCE

Continuous, uninterrupted workflow



# END-TO-END: MISSION CRITICAL SECURITY



# USE CASE

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# Q & A

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THANK YOU.

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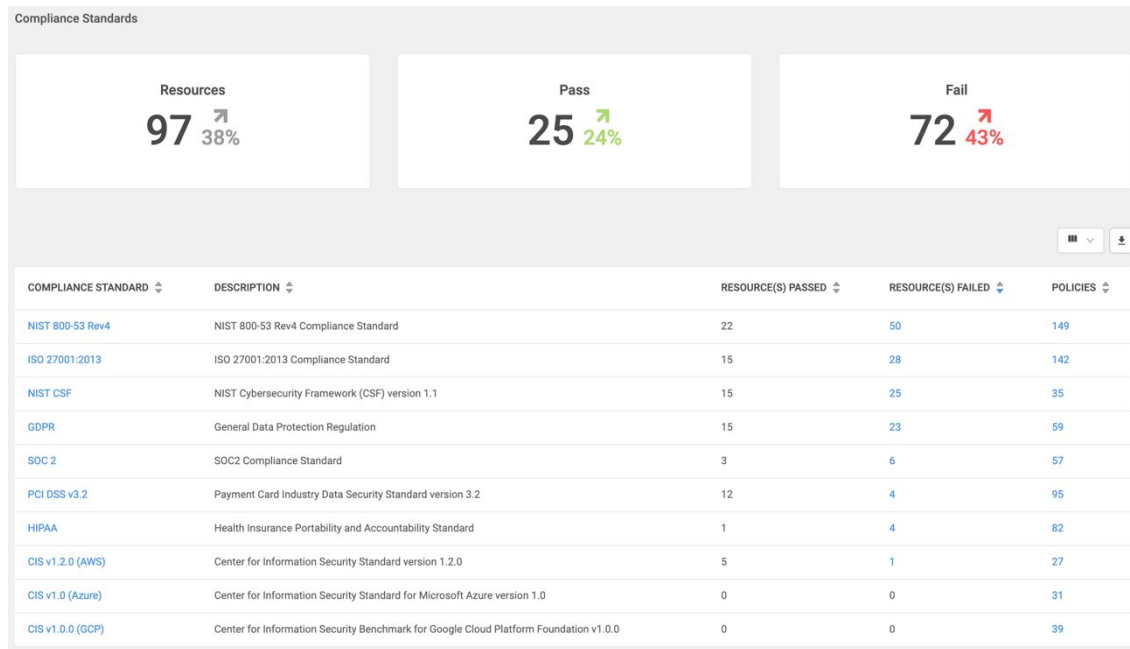


# SECURITY AND COMPLIANCE POSTURE



**Easily quantify and assess your cloud security and compliance posture**

Armor's Cloud Security Assessment boosts the security of your public clouds and improves your compliance posture by monitoring against industry standards, regulatory mandates and best practices to prevent issues like misconfigurations, unwarranted access, and non-standard deployments.



Total Unique Resources

937

Pass  
630

Low  
29

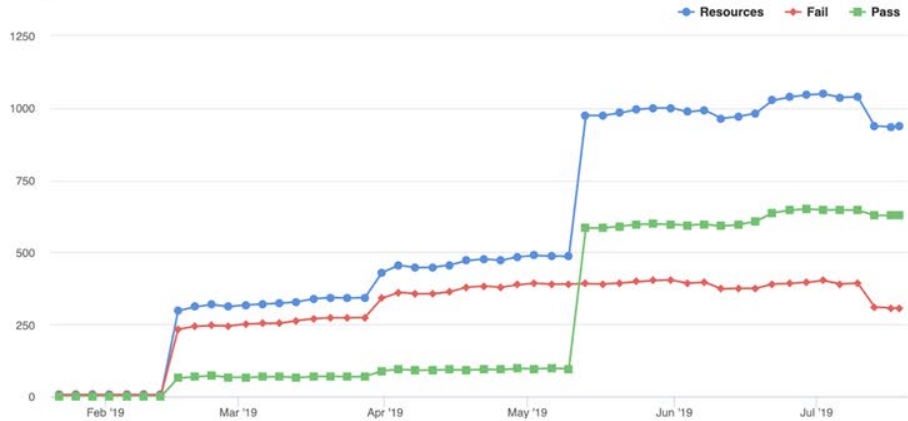
Medium  
199

High  
79

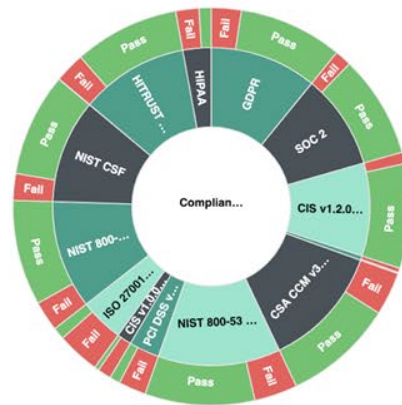
Failed Resources  
307



Compliance Trend



Compliance Coverage



COMPLIANCE STANDARD	DESCRIPTION	POLICIES	TOTAL	FAIL	HIGH	MEDIUM	LOW	PASS	COMPLIANCE POSTURE
CSA CCM v3.0.1	Cloud Security Alliance: Cloud Controls Matrix Version 3.0.1	136	875	247	70	154	23	628	71%
NIST 800-53 Rev4	NIST 800-53 Rev4 Compliance Standard	150	875	247	70	154	23	628	71%
ISO 27001:2013	ISO 27001:2013 Compliance Standard	142	314	245	40	166	39	69	21%
HITRUST Version 9.2	HITRUST Version 9.2 Compliance Standard	71	775	173	34	116	23	602	77%
GDPR	General Data Protection Regulation	60	766	172	56	99	17	594	77%

# KEY CUSTOMER PAIN POINTS IN PUBLIC CLOUD

## Decentralized Administration & Lack of Visibility

- No CMDB, real-time asset inventory or network topology diagrams exist for public cloud
- Large number of privileged users with little governance

### Impact

- Increased likelihood of undetected misconfigurations
- Inability to quantify risk to management and board

## Complexity of Compliance Management in the Cloud

- Hundreds of unique cloud services, with more added daily
- Proving compliance to auditors challenging in dynamic environments

### Impact

- Stalled or delayed digital transformation initiatives
- Increased costs in achieving compliance

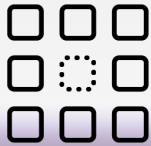
## Inability to Rapidly Detect & Respond to Threats

- Traditional SIEMs do not have cloud context, and are unable to adapt to large data volumes and speed of change in public cloud

### Impact

- Alert fatigue due to constant changes
- Extensive delays in investigating alerts with no context

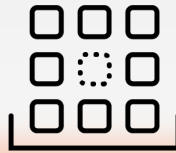
# CLOUD IS REDEFINING HOW APPLICATIONS ARE BUILT



Cloud is Driving Application  
Modernization

8 of 10

enterprise apps today are  
cloud-enabled/cloud-native



Containers Have Gone  
Mainstream

1 in 2

enterprises will use  
containers by 2020

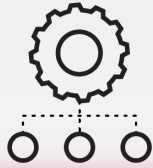


Serverless Computing  
On The Rise

2 in 10

enterprises will embrace  
serverless in 2020

# BUSINESS VALUE



## Reduce Operational Burden

With one end-to-end suite, Ops teams don't need to waste time managing and integrating disparate tools

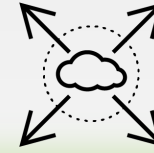
Increased Ops Productivity



## Simplify Compliance and Governance

Auto-prioritize issues to save precious time and immediately discover weaknesses in your environments

Prevent breaches and data leaks



## Safely Adopt New Cloud Technology

With governance and workload protection that scale with your growth, you're free to leverage the full potential of cloud

Increase agility and innovation

# TO SECURE THE CLOUD, YOU NEED TO PROTECT EVERY RESOURCE, ACROSS THE ENTIRE LIFECYCLE, CONSISTENTLY ACROSS ANY CLOUD.

## Protect Every Resource

Prisma Cloud secures any deployed resource, across IaaS, PaaS, Containers, Serverless and advanced Cloud Services

## Protect The Lifecycle

Prisma Cloud seamlessly integrates with your CI/CD pipelines and secures applications from development to production

## Protect Any Cloud

Prisma Cloud protects both public and private clouds, including AWS, Azure, GCP, and Alibaba Cloud



# THE PROBLEM: COMPLIANCE ISN'T STATIC



## Change is Constant

New resources are constantly being deployed, IP addresses change and data is everywhere



## Audit Panic

Audits take months of time due to the manual research across multiple feeds and logs



## Hindered Agility

Organizations hesitate to adopt new technologies in fear of violations

# CLOUD COMPLIANCE IS DIFFICULT



## Time Consuming

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Competing solutions lack automation, requiring endless manual effort to perform repeated tasks



## Coverage Gaps

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Combination of OSS and point solutions fail to provide enterprises with a complete view into multi-cloud environments



## Not Cloud Native

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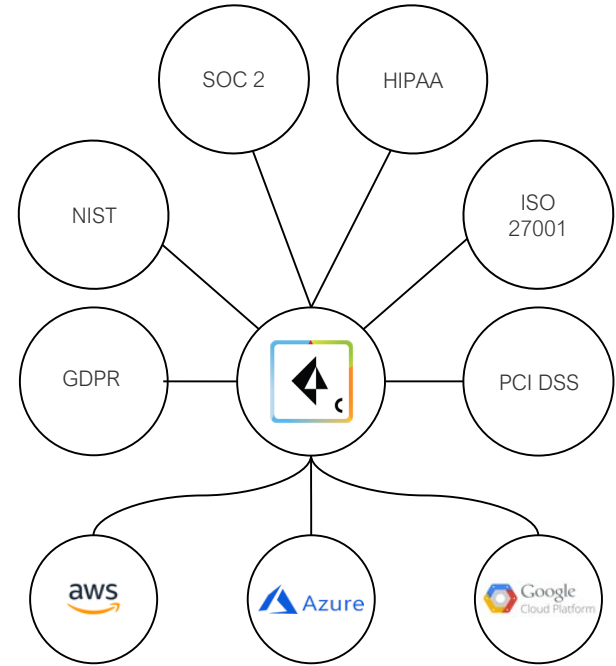
Legacy solutions lack support for the modern, cloud native tech stack—leaving users blind

# PRISMA PUBLIC CLOUD APPROACH: CLOUD COMPLIANCE, SIMPLIFIED

**Ensure compliance continuously across environments with the industries most complete library of supported frameworks**

**Generate custom, audit-ready reports for your compliance standard with just a single click**

**Easily investigate and auto-remediate compliance violations**



**Enforce and report on all compliance standards, across platforms, workloads, and cloud services**