

The Cloud Security Model Cheat Sheet

A practical guide to transforming security teams, processes, and tools to support cloud development

A Modern Cloud Security Workflow

Cloud development requires a new security workflow to address the unique challenges of the cloud and to effectively protect cloud environments. It requires treating cloud security as a team sport and making security self-service in the development process. This requires collaboration across teams through a foundation of visibility, addressing security risks before they become incidents, and tight integration into the overall business process.

A modern cloud security workflow improves overall security posture by proactively identifying and mitigating risks, reducing the number of security incidents, and increasing the speed of response across teams. As a result, organizations speed their cloud journey securely and efficiently.

Visibility

- 100% visibility into any cloud, any architecture
- Normalization across clouds to simplify security for any engineer
- Ability to segment visibility by team based on infrastructure ownership

20%

Of total VMs/cloud environments are visible to organizations on average

*Wiz Research



Zero Critical Risks

- Comprehensive evaluation of workload and cloud risks
- Identification of attack paths and critical combinations of risk
- Clear prioritization, context, and evidence for remediation down to 0 critical risks

47%

of companies have at least one database or storage bucket exposed to the internet

*Wiz Research



Democratization

- Proactive reduction of the attack surface and blast radius for continuous improvement
- Ingrain security into the development process through self-service
- Enterprise readiness for the next threat or business shift

1:100

ratio of security professionals to developers in an average organization

*Rule of Thumb



Prevention

- Secure from source to production including container registries, VM images, and IaC
- Prioritize policy enforcement in the pipeline to prevent introduction of issues into production
- Implement hardened baselines to reduce drift

82%

reduction in security defects in production by shifting security left

*Google Cloud Research



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Cloud Security Maturity