

# Inline Cloud Security

Cloudflare enforces secure cloud configurations with inline preventive controls.

## Secure every cloud interaction — at the API layer

Misconfigurations are a top cause of cloud breaches, yet most security tools like CSPM, CNAPP, and CIEM only detect issues after deployment, when it's often too late.

Cloudflare takes a preventive approach by securing the control point where nearly all cloud and SaaS activity occurs: API calls. Our inline API inspection proxy enforces security policies in real time, blocking misconfigurations before they can impact your environment.

With Cloudflare, security is built into cloud operations:

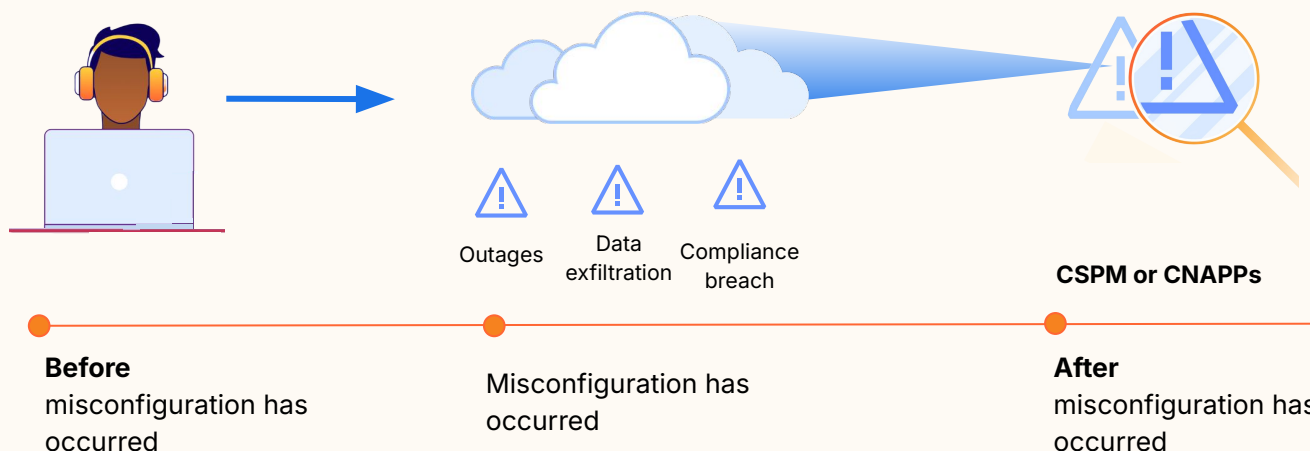
- **Real-time prevention:** Block insecure API calls before deployment, eliminating misconfigurations at the source.
- **Data protection:** Prevent data exfiltration and enforce cloud tenant boundaries to keep sensitive data secure.
- **Regulatory compliance:** Automatically enforce controls with standards like FedRAMP, PCI, HIPAA, NIST, and more.
- **DevOps ready:** Integrates with any cloud provider, SDK, or deployment tool—ensuring security without disrupting agility.



## Inline enforcement—not just alerts

Most tools generate alerts after the damage is done. Cloudflare takes a proactive approach, inspecting every API call inline to block risky activity in real time. The result: reduced alert fatigue, no shadow infrastructure, and faster, safer cloud adoption.

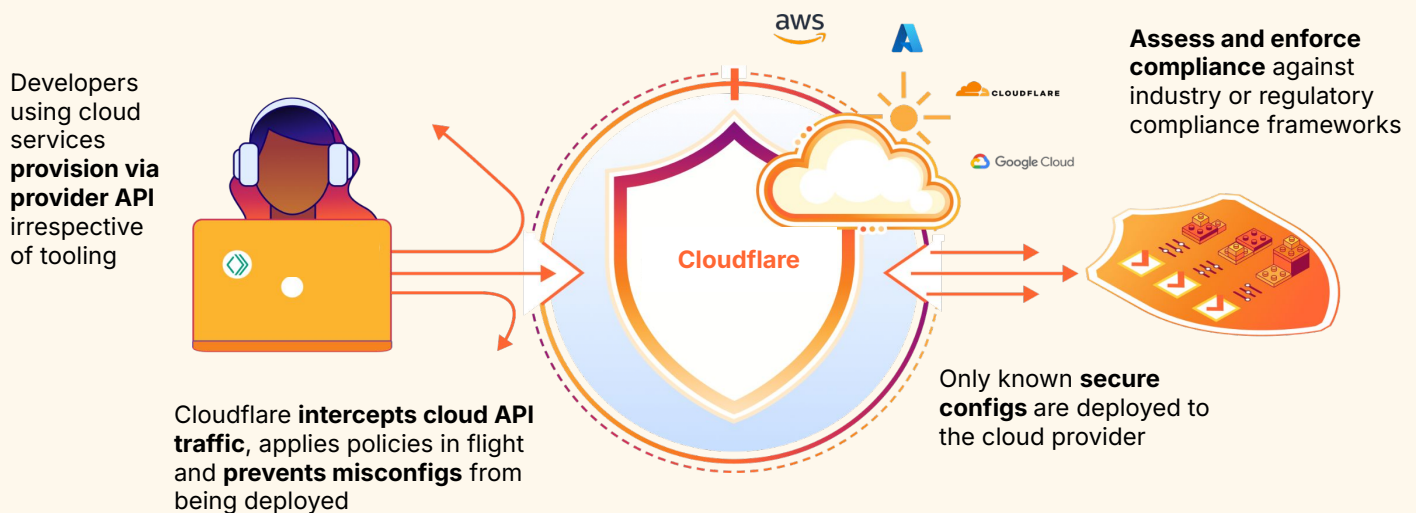
## Block risks before they become breaches



## Key use cases

- **Prevent insecure resource configurations:**  
Stop risky cloud setups before they go live, using prebuilt or custom policies.
- **Restrict unauthorized control access:**  
Ensure data stays within organizational boundaries by enforcing tenant-level access control and policy compliance.
- **Enforce encryption and tagging standards:**  
Ensure encryption at rest or in transit across cloud services, while maintaining consistent tagging practices for better governance.
- **Reduce 'shadow' cloud infrastructure:**  
Eliminate unmanaged or unauthorized cloud resources by enforcing provisioning standards.
- **Prevent credential and secret misuse:**  
Detect and block the use of secrets in automated workflows, including CI/CD pipelines, and IaC processes.
- **Complement CSPM/CNAPP tools:**  
Add a preventative layer that stops misconfigs at the source, reducing alert fatigue and remediation burden.

## How it works



"Cloudflare is a good choice for enterprise prospects seeking a high-performance, low-maintenance, DevOps-oriented solution."

—The Forrester Wave™:  
Security Service Edge (SSE) Solutions, Q1 2024

## Learn more

Interested in learning more about Inline Cloud Security, please contact your account team for a product overview.