![Fidelis Security logo]

# Why You Need the Fidelis Halo Microagent

## Stop Paying the Hidden Costs of Cloud Security

Cloud computing promises speed, agility, and cost savings. As organizations transform business on public, private, hybrid, and multi-cloud architectures, they look to security experts to help keep cloud assets safe from cyber-attacks. Many cloud security solutions promise cloud speed and agility, yet they fail to deliver on those promises when faced with rapid cloud scaling or demands for portability. These cloud security solutions inflate cloud budgets by requiring excessive compute or storage resources and lag ephemeral cloud assets, alerting only after the threat has passed by undetected. These hidden costs are known as the "security tax."

Today's cloud-powered organizations need a different type of security and compliance. They need a solution that keeps up with the cloud, without impacting workloads or inflating cloud budgets. Organizations need workload security that spans hybrid and multi-cloud environments and offers easy portability between and across those systems. They need Fidelis CloudPassage Halo®.

## What Makes Fidelis CloudPassage Halo Different?

Fidelis CloudPassage Halo (Fidelis Halo) completely reinvents the architecture for cloud workload protection. This uniquely streamlined, fast, and automated security solution centers on technology you will not find in any other cloud security platform–the Fidelis Halo Microagent. The Halo Microagent offloads the heavy lifting of workload security–including storage, memory, and compute scaling–to the Halo Cloud centralized agent framework. This patented architecture offers maximum security and compliance coverage, at scale, across all your environments, without impacting your cloud resources.

## You've Never Seen an Agent this Small

At just 2 MB in size, and built on an architecture that rarely needs updating, the Halo Microagent is a game changer for automated cloud security. With only two microagents to manage–one for Linux and one for Windows that work across cloud providers and the data center–your security persists through OS patches without reinstallation or agent updates.

### Highly Efficient
Requires no additional installations of software or Java runtimes. The slim resource requirements of the microagent don't get in the way, slow you down, or inflate your cloud budget.

### Inherently Secure
Installs on each cloud server via configuration through the Fidelis Halo Portal. It exposes no management or communication interfaces and is not network accessible, which minimizes the possibility of tampering.

### Proxy-Aware
Requires no network changes. Simply point Fidelis Halo at the server, container, or workload you want to secure, and it configures itself within your existing network parameters.

### Designed for Hostile Environments
Ensures that messages between each Halo Microagent and the Halo Cloud maintain authenticity, confidentiality, and integrity through patented cryptographic controls at the payload and network levels.

### Secure Architecture
Works on a command-and-control protocol, meaning that all communications from the Halo Microagent are unidirectional, and the Halo Microagent requires only read access to your assets.

### Self-Monitoring
Each Halo Microagent proactively detects signs of tampering through near real-time self-assessments. Network traffic and data access between the Halo Microagents and centralized framework also detect and alert on signs of malicious activity.

## End the Security Tax

The security tax is the collective set of hidden charges that cloud security vendors fail to mention. A heavy-agented or agentless solution might look good on paper, and even shine during a demo, but you'll start to feel the tax when it comes time to scale in the cloud. The costs for required cloud resources and operational hours for configuration start to add up. Suddenly, you find yourself trading security for scale. Don't let the security tax hold you back.

| Heavy Agented Workload Protection | Agentless Workload Protection | The Fidelis Halo Microagent |
|---|---|---|
| Performs security processing inside your cloud, competing with your workloads for processing. | Performs security processing based on snapshots, which delay your security alerts. | Offloads security processing to the centralized agent framework. No delay or resource contention– provides a constant heartbeat that monitors in real-time. |
| Limits scalability based on cloud budget due to the significant cost of cloud resources required. | Limits scalability based on cloud budget and due to artificial snapshot limits imposed by cloud providers. | Scales frictionlessly with cloud environments without requiring additional cloud resources or being impacted by artificial limits. |
| Complex configurations based on agent matrices take days, months, or even years to master. | Requires complex and cumbersome tuning of snapshot frequency and depth. | Self-installing agent requires no tuning or configuration. Simply point the Halo Portal at a cloud account, and Fidelis Halo does the rest–all in under 90 seconds. |
| Typically requires separate agents and configurations for on-premises/ hybrid systems. | Limited to cloud environments only. Cannot secure on-premises/ hybrid environments. | Uses the same Halo Microagent for public, private, hybrid, and multi-cloud environment. |
| Separate agents required for containerized environments. | Separate configurations required for containerized environments. | Uses the same Microagents for containerized and non-containerized workloads. |
| Agents require reconfiguration or a whole new installation when porting workloads between environments. | Requires reconfiguration of security scanning when porting workloads. | Ports the workload between on-premises and across cloud environments without reconfiguration. |
| Typically requires manual agent updates after OS patches. | Typically persists through OS patches without reconfiguration. | Halo Microagents rarely need updating and persist through OS patches without reconfiguration or reinstallation. |

## Put the Fidelis Halo Microagent to Work for you Today

See how you can master workload security and compliance in the cloud, and learn more about Fidelis CloudPassage Halo by reading our data sheet.

## About Fidelis Security

Fidelis Security® is the industry innovator in proactive cyber defense, safeguarding modern IT for global enterprises with proactive XDR and CNAPP platforms. Fidelis Security consolidates IT security operations to shrink attack surfaces, automate threat detection, and accelerate analysis, forensics, and response so that organizations remain resilient through cyber-attacks and emerge stronger and more secure. Fidelis Security is trusted by top commercial, enterprise, and government agencies worldwide.