

Accelerate AWS Cloud Migrations with the CrowdStrike Falcon® platform

Innovate with AWS. Secure with CrowdStrike.

CrowdStrike Falcon Cloud Security: Industry-leading protection for fast, seamless and secure AWS migrations

Organizations are migrating and building on AWS to unlock their potential and remove obstacles to growth and innovation. AWS customers are able to focus on building value for their end customers by removing the burden of data center operations and hardware management costs. Cloud-based architectures improve agility, resilience and scalability while allowing enterprise-scale infrastructure to be deployed globally in minutes. For most companies, a full-scale migration to AWS is a strategic executive decision with enormous potential to impact future revenue, operational capabilities and even the culture of the organization.

While there are many tools, pathways and incentives to accelerate a cloud migration, there are also many potential pitfalls — one of the biggest is customer gaps in operational readiness. Executive strategy and sponsorship are generally the key to future success in the cloud, but for most technical teams who are accustomed to on-premises environments, gaining the necessary skills and experience to be successful in the cloud can present a steep learning curve. Consider this common scenario: With a signed migration SOW in hand, the executive sponsor informs the cybersecurity team that the organization will be migrating to the cloud. The cybersecurity team leader informs the executive that cloud security is complex and the team will need to hire one or more cloud security specialists and will also need to invest in training for the cybersecurity and operations teams to prepare for a safe migration and ongoing cloud operations.

Key benefits

- Keep complex cloud migrations on track
- Prepare for Day One operations
- Start from a secure posture and migrate with confidence
- CrowdStrike Falcon® Cloud Security delivers:
 - Unified hybrid, multi-account security posture
 - Enhanced visibility and compliance
 - Proactive threat protection
 - Simple, automated deployment

When customers reach this impasse, they either assume the elevated risk and move forward as planned — a potentially untenable choice given new U.S. Securities and Exchange Commission (SEC) regulations and the increasing volume and sophistication of cloud-related cyberattacks — or the migration is put on hold indefinitely, leading to missed opportunities and deadlines for the customer, and revenue loss for migration partners and AWS.

CrowdStrike provides a turnkey solution for comprehensive cybersecurity in the cloud and across hybrid environments. Customers move to the cloud to achieve strategic business goals, not to become cloud cybersecurity experts. CrowdStrike delivers effective security on Day One, accelerating time-to-value for cloud and digital transformation initiatives, and providing as much or as little support as needed as companies develop cloud security experience and ultimately decide how much they want to manage for themselves.

CrowdStrike can help at any stage of cloud adoption, but ideally, cloud security should be planned in advance and integrated into the migration process. Automating deployment and security guardrails enables organizations to maintain a strong security posture without sacrificing speed or agility. This approach ensures that security measures are consistently applied across all cloud resources, facilitating real-time threat detection, compliance monitoring and real-time response to security incidents. By prioritizing security planning and automation in advance, organizations can confidently navigate their cloud migration journey, unlocking the full potential of cloud computing while safeguarding their assets against a complex and challenging threat landscape.

How CrowdStrike Falcon Cloud Security protects AWS migrations

CrowdStrike works closely with customers and migration engagement partners during the initial planning phases of the migration project to accomplish two critical outcomes:

1. Establish a secure baseline of on-premises resources to be migrated
2. Build a multi-account landing zone that supports dynamic security tool deployment

Ensure a clean slate before migrating

Customers with incomplete or ineffective security controls in their on-premises workloads may already be under attack, with cyber adversaries comfortably hidden within the customer's infrastructure. To embark on a cloud migration journey with a secure, clean slate, organizations need to understand and secure their current environment.

CrowdStrike and AWS integrations

Secure as you deploy:

- AWS Organizations
- AWS Control Tower
- AWS Systems Manager
- AWS CodePipeline
- Amazon EventBridge — continuous discovery and visibility of cloud-native assets
- AWS Lambda
- AWS Built-in + CloudFormation

Protect AWS resources:

- Amazon EC2 (including AWS Graviton)
- Amazon ECS
- Amazon EKS
- AWS Fargate
- ROSA
- AWS Outposts
- VMware on AWS
- Amazon Workspaces
- Amazon Elastic Container Registry
- AWS Lambda
- AWS PrivateLink

Gain visibility into AWS assets:

- AWS CloudTrail
- Amazon EventBridge
- AWS IAM
- AWS Security Hub
- Amazon Security Lake
- Amazon GuardDuty

The CrowdStrike Falcon® sensor can be deployed on all workloads at scale within hours, detecting and often eliminating advanced persistent threats to establish a known secure baseline. The lightweight Falcon sensor never requires a reboot, and with CrowdStrike's Partner Engagement Licensing Program, migration partners can deploy sensors for the duration of the engagement without requiring customers to purchase an annual Falcon product subscription. Customers that decide to continue using CrowdStrike Falcon® Insight XDR endpoint detection and response in their remaining on-premises systems can easily convert to a paid subscription.

By deploying Falcon Insight XDR on on-premises workloads during the initial "assess and mobilize" phase, CrowdStrike ensures that adversaries lurking in an organization's existing environment are not transferred along with data and applications during the active workload migration phases. CrowdStrike's threat detection and response capabilities provide continuous monitoring and analysis of behavioral patterns to identify and remediate threats. This ensures that any indicator of attack or compromise is swiftly dealt with, preventing adversaries from infiltrating the new cloud environment.

Pre-migration Assessment and Clean-up

Endpoint Detection and Response

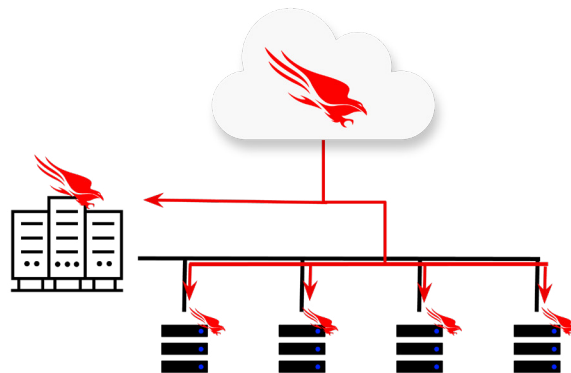
AI-powered protection backed by industry-leading adversary intelligence

Vulnerability Detection

Visibility into potential attack paths to proactively mitigate vulnerabilities

Threat Hunting

Deep and continuous human analysis to relentlessly hunt for anomalous or novel attacker tradecraft that is designed to evade standard security technologies



Gain dynamic, comprehensive protection of your new cloud environment

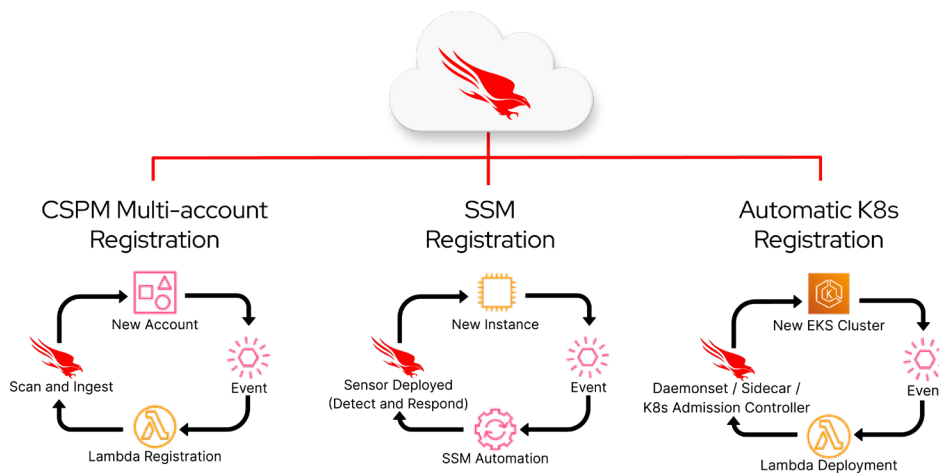
The most successful migrations begin from a secure, pre-migration on-premises baseline, establish a well-architected landing zone for secure, multi-account operations and prepare cloud operations teams to develop a cloud-native operating model that leverages event-driven automation and comprehensive observability.

The previous section explained how deployment of the Falcon sensor across the on-premises environment can ensure a secure starting point for the migration. Once those workloads have been migrated, they all must be fully secure on Day One, along with every new cloud workload as it's deployed. Without existing cloud expertise, security and operations teams are hard-pressed to develop and implement an effective cloud security strategy to protect those new and migrated workloads in the short term. Paradoxically, there's no faster or better way to acquire those skills than by actually operating in the cloud and examining security controls, processes and templates pre-built by experienced practitioners.

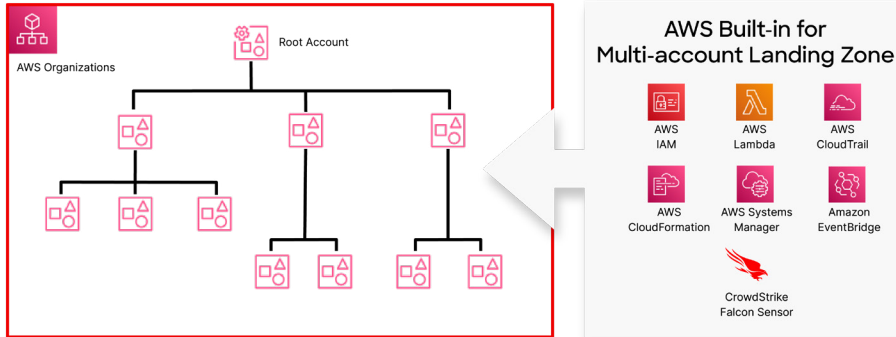
CrowdStrike Falcon Cloud Security solves both of these challenges.

Falcon Cloud Security protects EC2 and containerized workloads at scale, while also providing agentless discovery and detection of malicious behavior and misconfiguration across 35+ AWS services, and supporting pre-runtime CI/CD pipeline scanning of container images, Lambda functions and infrastructure-as-code templates. CrowdStrike has partnered with the AWS Built-in team to develop a simple, seamless way to automate deployment of Falcon Cloud Security in complex, multi-account environments by leveraging the AWS-native capabilities of CloudFormation Stacksets and AWS Organizations. Customers benefit through accelerated time-to-value, consistently deployed security and operational controls, and confidence based on AWS AppSec and Built-in security validations. CrowdStrike's AWS Built-in template for Falcon Cloud Security deployment is available at no additional cost from the [AWS Marketplace](#). Using the AWS Built-in deployment mechanism in the customer's multi-account organization, AWS service provisioning events will trigger deployment of the associated Falcon Cloud Security components. These include automatic deployment of the Falcon sensor on Amazon EC2 instances for runtime protection, registration of new accounts for agentless posture scanning and behavioral detections, and deployment of EKS cluster protection components as new clusters are created. This ensures that as your organization expands its cloud footprint, every new workload and application inherits a strong security posture, enabling a seamless and secure cloud migration and operation.

Event-Driven Deployment



AWS Organizations with Multi-Account Environment



Consistent deployment of Falcon components as new AWS resources are provisioned

Migrate with confidence

CrowdStrike empowers organizations to embark on their cloud adoption journey with confidence, securing the foundational infrastructure against a rapidly changing threat landscape. Falcon Cloud Security delivers comprehensive protection, offering unparalleled visibility into cloud assets. It effectively identifies and mitigates risks associated with misconfigurations, vulnerabilities in software packages, hard-coded secrets, malware and insecure identities, among others.

The strategic integration of CrowdStrike Falcon into your AWS migration from the very beginning embeds security at the core of your cloud environment. This preemptive measure allows for continuous monitoring and protection of your cloud infrastructure, enabling the real-time detection and neutralization of threats. Additionally, it ensures adherence to security best practices and compliance regulations right from the start.

This approach not only simplifies the migration process by integrating security into the framework of your cloud environment but also avoids the need for reactive and costly security interventions later. Deploying Falcon Cloud Security at the start enables organizations to quickly realize the benefits of a unified cloud-native application protection platform (CNAPP). It provides assurance that both the initial landing zone and all subsequent workloads are defended against the ever-evolving array of cyber threats. Comprehensive deployment of integrated Falcon platform modules across an organization's hybrid on-premises, cloud and mobile user environments eliminates security gaps created by siloed security tools, improves ROI through tool and dashboard consolidation, and delivers industry-leading breach protection. This proactive security strategy significantly improves the efficiency and agility of cloud migrations, offering peace of mind to stakeholders at every level of the organization.

Industry recognition



Frost & Sullivan ranked CrowdStrike as a leader in Cloud-Native Application Security Platform (CNAPP)



CrowdStrike won the 2022 CRN Tech Innovator Award for Best Cloud Security



Forrester named CrowdStrike a Leader in The Forrester Wave™: Cloud Workload Security, Q1 2024, with the top score in the Strategy category and highest scores possible in Innovation and Vision criteria

Contact [CrowdStrike](#) or an AWS migration competency partner to discuss how CrowdStrike can help you move fast and stay safe in the cloud.

Read the [eBook](#): "AWS Migration Made Secure: How CrowdStrike Protects Your Journey"

Get a FREE →
Cloud Security Health Check

About CrowdStrike

CrowdStrike (Nasdaq: CRWD), a global cybersecurity leader, has redefined modern security with the world's most advanced cloud-native platform for protecting critical areas of enterprise risk — endpoints and cloud workloads, identity and data.

Powered by the CrowdStrike Security Cloud and world-class AI, the CrowdStrike Falcon® platform leverages real-time indicators of attack, threat intelligence, evolving adversary tradecraft and enriched telemetry from across the enterprise to deliver hyper-accurate detections, automated protection and remediation, elite threat hunting and prioritized observability of vulnerabilities.

Purpose-built in the cloud with a single lightweight-agent architecture, the Falcon platform delivers rapid and scalable deployment, superior protection and performance, reduced complexity and immediate time-to-value.

CrowdStrike: We stop breaches.

