



# IBM Managed Security Services for AWS

## Your trusted advisor with global reach

IT and security leaders face a business environment that forces evolution. Modern security, coupled with the move to cloud, requires dramatic changes to responsibilities, processes and technologies. Yet, many organizations managing their own security lack the specialized skills and competencies needed to cost-effectively protect against the rising range, volume and severity of threats.

These challenges often lead IT and security risk leaders to consider offloading core functions of security to a managed security service provider (MSSP) to manage a complex security landscape and the changing nature of compliance and regulatory requirements.

IBM Security understands that modern, enterprise security requires an entirely new approach. As your trusted security partner, IBM Managed Security Services aligns cloud native controls and simplifies security and risk with continuous, value-driven monitoring, management and intelligence backed by global expertise, local delivery and an integrated security portfolio.

## IBM Managed Security Services

IBM Managed Security Services includes support for AWS native security controls, 24x7 monitoring, management and response to advanced threats and risks, supporting your compliance requirements. IBM brings extensive AWS experience and partners with organizations at a global scale with local delivery capabilities to secure hybrid cloud environments and assist organizations in managing compliance with complex regulatory requirements. IBM can offer the industry's broadest portfolio of managed security services, deep AWS skills, a comprehensive integrated security

## Highlights

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- Not your traditional Managed Security Services
  - Faster, more relevant detection and response
  - Global scale, local delivery and security program impact
  - Security confidence enabled by deep AWS skills and insights
  - Trusted advisors deliver forward-looking cloud security strategy
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ecosystem, industry-leading security software like IBM Security QRadar, available through [AWS Marketplace](#) and IBM Security SOAR, formerly Resilient, consumed as a service. Our services are supported by certified security specialists to help protect your enterprise and maximize value throughout your AWS Cloud journey.

## **Not your traditional Managed Security Services**

IBM's global and regional network of Security Operation Centers (SOCs) serves as the principal delivery arm for all IBM Managed Security Services. Each of these SOCs are equipped with the state-of-art security technologies and dedicated security experts empowered to help you overcome challenges.

Each managed security engagement is also delivered and integrated with personalized security advisory services for your unique needs. IBM can help with cloud security, data security, identity and access management (IAM), network strategy and planning, AWS enterprise integration, IT risk management and compliance, critical infrastructure security and industry-specific security assessments. In addition, IBM offers a programmatic framework, aligned to NIST, and next-generation managed detection and response capabilities to safeguard hybrid cloud environments.

## **Faster, more relevant detection and response**

Only a few years ago, a perimeter-focused defense using firewalls and antivirus was an adequate means to keep the business secure. In today's perimeter-less world where endpoints have grown exponentially, preventative measures are no longer enough to stop advanced threats.

As cyber attacks have changed and developed over time, proactive security requires new techniques and tactics, including automation, artificial intelligence (AI) and orchestration to accelerate threat detection, reduce false alerts and improve response times.



Modern managed security should provide context and insight in order to detect and prioritize response to a variety of threats. With hundreds of investigation experts at IBM Managed Security Services and IBM Security Managed Detection and Response (MDR) Services combined with proprietary and partner-driven AI and automation technologies, alert fatigue is minimized, context drives prioritization and rapid response is delivered. Via its SIEM-aligned platform, key security telemetry is handled including AWS native services (Amazon GuardDuty, AWS CloudTrail, AWS Security Hub, Amazon Detective, AWS Network Firewall and more).

In addition, IBM offers the latest in response preparedness with our IBM Security X-Force Incident Response teams, global IBM Security Command Centers and a mobile Command Center on wheels for experiential cyber range experiences, and a robust set of MDR capabilities.

## **Key features of IBM Managed Security Services**

- Core MSS capabilities for AWS workloads to help deliver security operations with confidence:
  - AWS Infrastructure Vulnerability Scanning
  - AWS Resource Inventory Visibility
  - AWS Security Best Practices Monitoring
  - AWS Compliance Monitoring
  - Monitor, Triage Security Events using AI and Automation
  - 24/7 Incident Alerting and Response using Orchestration and Automation
  - Distributed Denial of Service (DDoS) Mitigation
  - Managed Intrusion Detection/Prevention System (IDS/IPS)
  - Managed Detection & Response for AWS endpoints
  - Managed Web Application Firewall (WAF)



- Endorsed by AWS as Premier Consulting Partner for Security Competency including managed security services.
- Optimize security program effectiveness across AWS and hybrid cloud environments by embracing AWS native security services (AWS Guard Duty, AWS Security Hub, AWS CloudTrail, Amazon Detective, AWS Network Firewall and many others).
- Standard operating procedures, best practices, alignment to AWS Cloud Adoption Framework, governance and controls are applied to all offerings delivered.
- IBM Security Operation Centers: Global and regional delivery from our command centers worldwide.
- IBM Security X-Force Protection Platform uses AI and automation to supercharge our common platform for device management, security monitoring and incident response. Our platform data collection engine delivers forensic log storage, threat intelligence, data enrichment and AI/automation to reduce false alerts, eliminate fatigue and rapidly respond to issues.
- IBM Virtual Security Operations Center (vSOC) web and mobile solution provides a unified digital experience with the ability to integrate with your ticketing systems.
- Hybrid 24x7 and follow-the-sun delivery focused on function and rapid response.
- Strict Compliance with ISO27001, ISO27017, PCI DSS, SOC 2, SOC 3, FFIEC; Privacy Shield, aligned with GDPR principle.
- Multiple third-party attestations and recurring IT service delivery audit conducted by IBM Internal Audit team
- Secure integrated and automated toolsets that finds actionable issues, raises work to analysis via our unified console and facilitates “joint runbook” response with IBM Security SOAR incident orchestration.





- Measured security effectiveness that gives context and relevance to security program impact as well as regular security posture reporting and industry comparison reports.

## **Key benefits of IBM Managed Security Services**

- Improve execution of AWS Shared Responsibility Model while optimizing operation of AWS native security controls.
- On average, our services require less cost, time and resources compared to building, operating and maintaining your own full-function Security Operations Center.
- Free up your security resources from monitoring a plethora of infrastructure and endpoint devices, so they can focus on more strategic initiatives aligned to the business.
- Accelerated detection via near real-time, high-fidelity monitoring, analysis & 24x7 investigation across the threat lifecycle.
- Around-the-clock response with an extended global team of dedicated responders to contain, respond and recover from identified threats.
- Near real-time insights and faster decisions with our AI-driven IBM vSOC built for the way SOC's work.
- Centralized security detection and response across AWS, hybrid cloud and enterprise architecture.
- On-the-go transparency and efficiency with the IBM Security Services mobile app for vSOC that allows you to view investigations and requests to see the most recent actions and updates.
- IBM Security QRadar with Watson provides context-aware conversations for common questions and status.
- Obtain unique insights from IBM Security experts related to your vertical from our expertise across healthcare, financial services, retail, manufacturing, OT, IoT and more.



- Hybrid delivery models (global and in-region) to integrate with your teams anywhere in the world.
- Staff can be deployed on-site for local, personalized delivery.
- Integrated platform and data modeling across your risk and compliance processes.



## Why IBM?

IBM Security offers one of the most advanced and integrated portfolios of enterprise security products and services. The portfolio, supported by world-renowned IBM Security X-Force® research, provides security solutions to help organizations drive security into the fabric of their business so they can thrive in the face of uncertainty.

IBM operates one of the broadest and deepest security research, development and delivery organizations. Monitoring more than one trillion events per month in more than 130 countries, IBM holds over 10,000 security patents. To learn more, visit [ibm.com/security](https://www.ibm.com/security).

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## For more information

To learn more about IBM Managed Security Services, please contact your IBM representative or IBM Business Partner, or visit the following website:

<https://www.ibm.com/security/services/managed-security-services>

Read the MSS Buyer's Guide:

[https://www.ibm.com/downloads/cas/KPEG6J8Q?cm\\_s p=CTO- -en US- -BVWMRDGY](https://www.ibm.com/downloads/cas/KPEG6J8Q?cm_s p=CTO- -en US- -BVWMRDGY)