IBM Security Services for Cloud

Protecting the hybrid multi-cloud

Presenter's name
Title

Cloud has turned traditional cybersecurity on its head

of cloud security failures will be the organization's fault

$474 Billion

Global Cloud Revenue to Total $474 Billion in 2022*

$3.8M

Global average cost of a data breach

of world's stored data expected to reside in public cloud by 2025

* Source: Gartner, November 10, 2021.

Unanticipated Acceleration to Cloud

Pandemic accelerated change and demand to allow users to access the enterprise from anywhere using any device

Disparate Controls & Decentralized Management

New computing approaches, including Edge & multi-cloud, require robust security platforms that can deploy controls consistently & seamlessly

Regulatory Compliance Churn & Governance

With the migration of workloads to the Cloud, Security, and compliance are top-of-mind across hybrid multi-cloud environments

Growing Attack Surface & Threat Landscape

Growing threats, tools and data inhibit security operations across hybrid environments

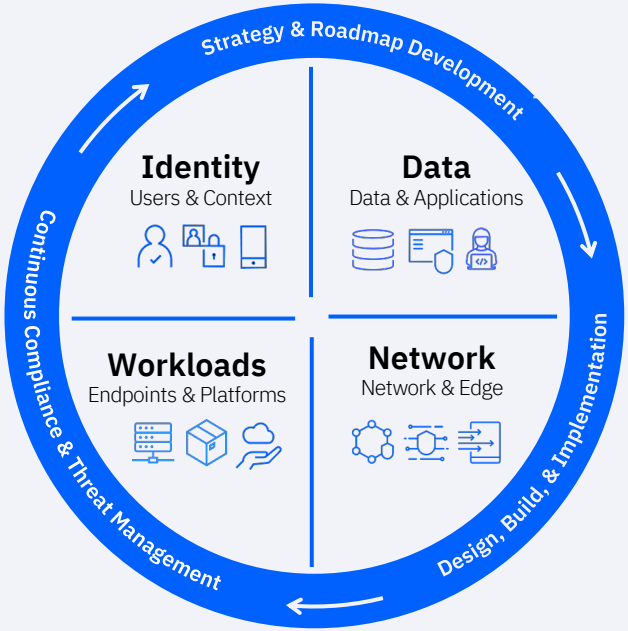
Securing the hybrid enterprise requires a comprehensive cloud security program

01
Defining and implementing a Cloud Security Strategy
Comprehensive, Consistent & Zero Trust Centric

02
Enforcing policies to protect cloud resources

03
Ensuring security posture & compliance needs are continually met

04
Centralizing detection & response to threats 24x7



IBM Security Services for Cloud Services Framework

Services & Delivery Models

Advisory
- Cloud Security Assessment
- Cloud Security Strategy

Integration
- Secure Cloud Foundations

Managed
- Cloud Native Security Services
- Cloud, SaaS Posture and Workload Protection

Retainer
- Secure Cloud Foundations
- X-Force Incident Response
- Post Breach Response

Tailored
- Address customer specific Hybrid Cloud requirements

NIST CSF Alignment

Identify → **Protect** → **Detect, Respond** → **Recover**

Zero Trust for Hybrid Cloud


Identities


Data


Applications


Workloads


Networking


DevSecOps

Hybrid Clouds Secured

aws

Microsoft Azure

Red Hat

vmware

IBM Cloud

Google Cloud

IBM Services Platform


DIGITAL USER EXPERIENCE


COMPREHENSIVE SECURITY OPERATIONS


DATA INGESTION & ENRICHMENT


COGNITIVE ANALYTICS

Strategy and Roadmap Development

End-to-End Visibility
Visibility into current state cloud configuration and mitigation steps to address cloud compliance gaps

Enhanced Governance with Actionable Reporting
Review cloud security maturity in alignment with business goals and enterprise governance framework

Efficient Operations
Develop target operating model and prioritized implementation roadmap for securing cloud

Innovative Approach
Build innovative business solutions and next-generation business processes at scale

Cloud Security Strategy

Assess, align, and implement the security strategy designed to meet the organization's business, security and compliance goals

Key Delivery Activities

Rapid Cloud Assessment
- Review cloud configuration, compliance and network activity
- Scan posture of security controls and up-to 5 compliance frameworks

Advanced Current State Assessment
- Review scan reports and assess security posture and maturity tailored as per industry/geos
- Align cloud usage to business goals and enterprise governance framework

Security Strategy and Plan
- Identify gaps and develop conceptual target state
- Define priority projects
- Create cloud security strategy plan, and roadmap

Solution Implementation
- Review security strategy and plan to define accelerated deployment and migration options
- Implement security initiatives

Deliverables

- Executive Review
- Detailed remediation actions to harden cloud security controls

- Current state findings report and next step recommendations
- Security controls and workload sensitivity map

- Cloud security maturity ratings
- Target state conceptual views
- Project definitions and prioritization
- High-level roadmap

- Customized deliverables based on client needs and project objectives
- Implementation and governance of cloud security initiatives

2 Weeks	2-4 Weeks	8-10 Weeks	12+ Weeks

Distribution - Airline

2021

Microsoft Azure, hybrid cloud

Cloud Security Strategy
Cloud Security Threat Modeling & Architecture Analysis

The Client Challenge:

- Customer in process of modernizing their flight systems to a multi cloud architecture.
- Before transitioning, they must understand the security risks being faced by the new multi cloud systems, along with connections to third party partners.
- Developing a cloud native application brings a new approach and mindset shift, which can leave various security risks to arise.
- Additionally, they needs to understand their current state security posture to understand where there can improve the new flight system application.

The Bottom Line: :
Customer facing lack of understanding of current threats, developing new cloud native applications securely, and working with multiple third-party connections.

The IBM Solution:

Our team was able to partner with the software team to work directly on security for an important customer cloud application.

IBM Security Services for Cloud capabilities and experience working with previous customers helped the customer application team understand their current threat landscape.

The importance and demonstration provided by the IBM team of conducting a threat modelling exercise to remediate low hanging fruit before moving to production, helped drive confidence for the customer moving forward.

Multinational Retail Apparel

2021

Microsoft Azure and hybrid cloud

Cloud Security Strategy
Rapid Cloud Security Assessment

The Client Challenge:

Customer had over 31K unique resources, across 18 cloud accounts/subscriptions, across 2 different cloud environments

The Bottom Line:
Customer needed to quickly assess the current implementation of their Microsoft Azure and hybrid cloud environments for cloud inventory, safe configurations, and compliance visibility

The IBM Solution:

The IBM SSC team conducted a rapid cloud security assessment against the customer's environment and covering their 31K+ cloud resources.

Safe configuration and compliance checks were ran against the onboarded accounts, and a follow-up review with key customer stakeholders across the regions was held to discuss preliminary findings

Validated assessment results and prepared final findings summary and detailed report included remediation recommendations were submitted by region for final review

Get to value faster with a strong enterprise cloud security partner

Microsoft
Gold
Consulting
Partner

Gold
Microsoft Partner
Microsoft

Member of
Microsoft Intelligent
Security Association
Microsoft

Microsoft Azure Cloud certified professionals across the globe

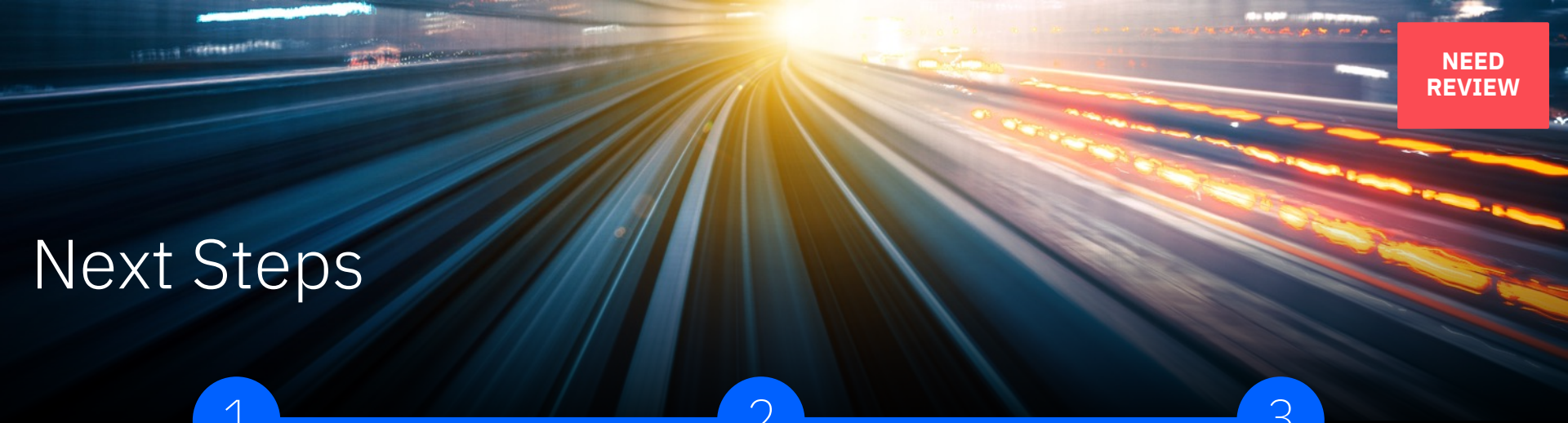
- Consulting & Systems Integration
- Managed Security Services
- Solution Design
- Product Management & Engineering

Vendor and cloud agnostic expertise & support

- **Multi-cloud managed security services** providing centralized visibility, management, and monitoring of security operations across hybrid environments.
- Built on an ecosystem of best-of-breed security technologies, spanning **cloud-native & 3rd party.**

Comprehensive support for hybrid multi-cloud

- Leading portfolio of **comprehensive cloud strategy & risk consulting capabilities** coupled with strong security strategy, integration & operations expertise.
- **Recognized by leading analyst firms as leader in MSSP space**. Known for deep cloud relevant innovation and comprehensive threat management services.



NEED REVIEW

Next Steps

1

Take our free Quick Cloud Security Self-Assessment

ibm.biz/cloud-sec-maturity

2

Sign up for our deep-dive Rapid Cloud Security Assessment

3

Learn more about our Security Services for Cloud

https://ibm.com/security/services/ cloud-security-services

Thank you

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