

# Cyber Security Solutions & Compliance Assurance Services

**Financial Services Company in Saudi Arabia**

**Integrity - Ownership – Transparency – Flexibility - Perfection**

# About the Client

The Client is a Japanese diversified financial services group headquartered in Minato, Tokyo, and Osaka, Japan. Client offers leasing, lending, rentals, life insurance, real estate financing and development, venture capital, investment and retail banking, commodities funds and securities brokering. In addition to expanding its offerings, it has also expanded globally, offering financial services in North America, Asia, the Middle East and Northern Africa. We worked KSA entity of the client based out of Riyadh, in addition to that Client has their across multiple cities in KSA.

## Technology Backdrop of the Project

- Sophos UTM
- Core Business Application (Developed internally)
- Sophos Firewall including IDS/IPS
- Sophos DLP
- Sophos Endpoint Protection
- Sophos DDOS protection (Anti-flooding and Anti-DDOS)
- CISCO Networking
- Manage Engine
- MS-Exchange

## Compliance Backdrop of the Project

- SAMA Cybersecurity Framework 1.0
- Circulars and Notifications from regulator SAMA
- SAMA BCM Framework
- Finance Lease Law
- Anti-Cybercrime Law

## Business Challenges



- Cybersecurity Architecture is not available.
- Cyber Security Framework is not robust and compliant to industry standards.
- Application security code review not conducted.
- IT Infrastructure security controls not implemented and monitored.
- 2FA not implemented on mission critical systems.
- No reporting on Security Incidents
- No reporting on Threats.
- No skill-based trainings.
- SOC Operations is not up to the mark.

## Skillmine Solution



- We have developed a cybersecurity architecture that provides proper defense-in-depth and security controls (Frameworks, KPIs).
- Checklist are created based on OWASP best practices and the testers are trained in line with it.
- Implemented and monitored more than 140 security controls on different infra instances
- 2FA implemented on core business systems and remote accesses.
- Initiated end-to-end cycle of incident management.
- Initiated end-to-end cycle of threat management.
- Data classified as per classification program and revised the accesses and roles.

## Business Benefits



- Client has clarity on measures to be taken for user level security to perimeter level security.
- Quarterly audits are now seamless with limited efforts.
- Client have reports on identified vulnerabilities during code review and mitigation status.
- Ensured Client is complied to regulator and secure.
- Ensured systems and endpoints are secure
- Incidents are recorded, mitigated and reported and communicated with regulator.
- Proactive approach for cybersecurity resilience and brand protection.
- Improved talent of vendor resources and internal resources.

## Business Challenges



- No segregation of data in database of core business application
- No security awareness to customers and interested third parties
- No BCP available for COVID-19 pandemic
- Out of date DR strategy and DR plan.
- No ERM and correct Risk Assessment methodology
- SAMA CSF 1.0 implementation
- Closure of Internal audit findings

## Skillmine Solution



- Emails shared with customers and vendors related to social engineering attacks
- BCP is developed and tested for COVID-19
- Developed Enterprise risk management framework that covers a centralized method of risk assessment, criteria and risk tolerance level. Integrated risk register for different kind of risks like financial, credit, liquidity, market, sales including cybersecurity
- Implemented Regulatory standard for cybersecurity from SAMA covering 248 security controls
- After taking the charge all 55 major findings were closed timely and evidences accepted by auditors during follow-up audit.
- Information Security trainings conducted for teams pertaining to Application Security, SOC operations, incident handling, threat detection-deep web and dark web etc.

## Business Benefits



- Improved privacy of customer data and Personal information
- Improved security, data handling and reduction in incidents/escalations
- Compliance with regulator and privacy & security maintained for data while employees WFH
- Compliance with regulator and improved risk methodology and reporting mechanism with Board and regulator. New 8 high risks for processes and infra mitigated.
- Domain wise compliance exercise helped every department realize their responsibilities from cyber security standpoint and initiated pro active measures which toned down security gaps.
- Compliance assurance

**9+**  
Months

**100+**  
GAPs closed

**55**  
Audit Findings fixed

**3+**  
Countries

**248**  
Security Controls implemented

**0**  
Escalations



**Month 1**

Understanding of AS IS processes and compliance status. Deep dive of their internal audit report.



**Month 2**

Reported compliance, privacy and security GAPS  
Comprehensive security assessment initiated covering core Infra, Application systems and vendor services.



**Month 3**

Initiated mitigation of audit findings and reported GAPs by Skill-mine



**Month 6**

All audit findings closed  
All 248 privacy and security controls implemented  
Processes, documentation and SOC services have been updated and optimized.



**Month 9**

All KPIs/KRIs are now in compliance with SAMA CSF standard and security controls ineffective security controls fixed, and new controls implemented

*Mantra behind this Massive Success*

***“Competency meets Compliance”  
with robust frameworks & immaculate delivery***

## Robust Security & Technology Support Services for Customer , Improvising Customer Security Posture & Compliance Standards.....



Lower cost



Economically  
sustainable



Reduce risk



Improve experience  
for their customers



Increase  
competitiveness




Grow  
revenue



Improve  
performance



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Think & Care about Customer's Investment

• Predictable Delivery Every Time since First Time

• Passionate about Desired Outcome