

CASE STUDY OF

IT SECURITY ASSESSMENT

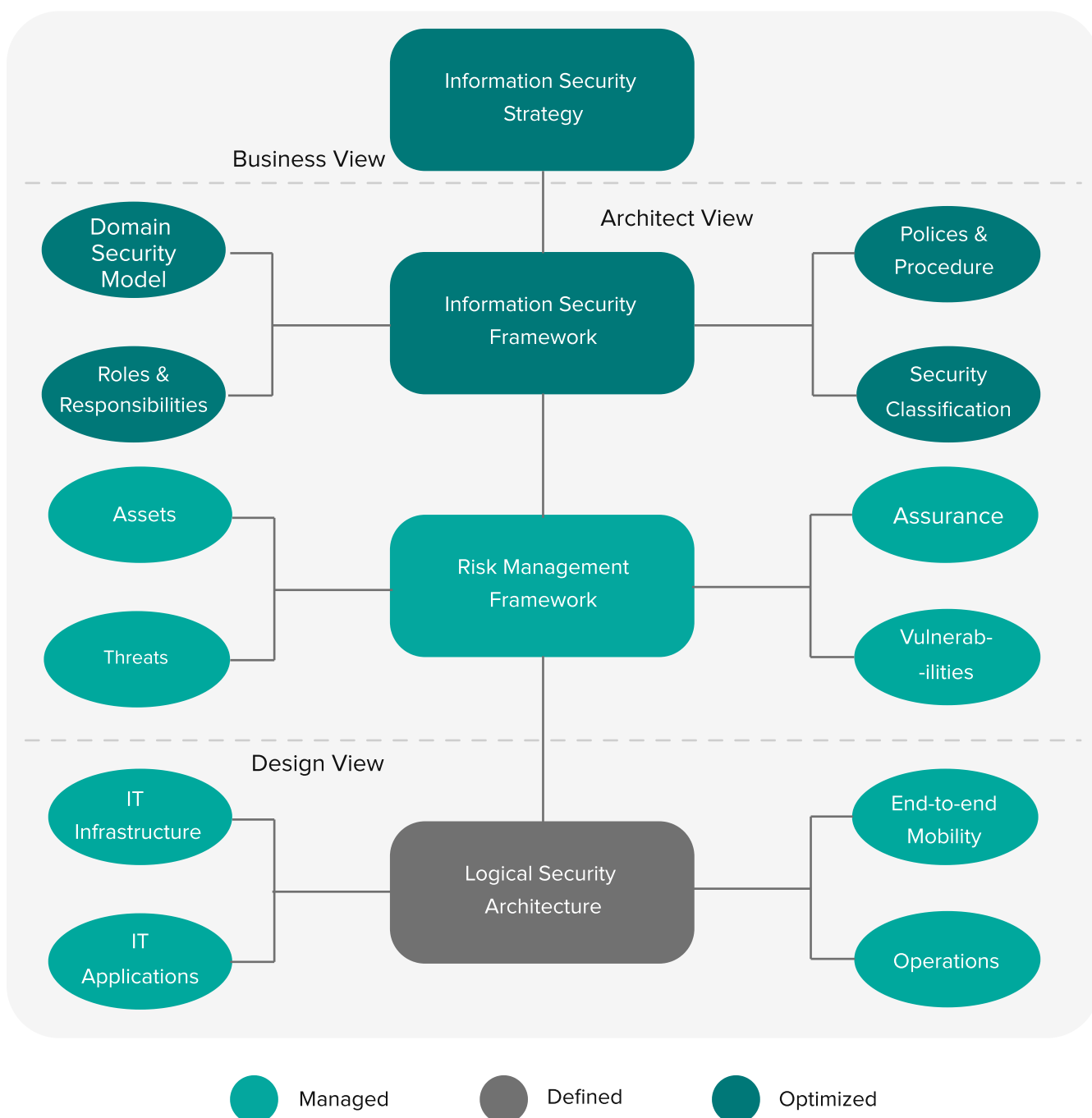
Skillmine has got an extensive breadth of experience in cyber security, and ITGRC functions including Vulnerability assessment, including Vulnerability and threat management, data security with various medium and large clients in Banking and Finance, Engineering and Enterprise retail. In order to provide a technical glimpse into skillmine methodology and solutions a few examples have been provided to show our No Compromise on quality approach.

Business Challenge

- 👉 IT Security Assessments are undertaken when the client has had multiple small and medium issues related to IT security, and when there is a growing threat from outside the organization.
- 👉 This is when the senior management of the company decides to enhance the overall IT security posture of the organization.
- 👉 To make the right decisions IT Security Assessment is undertaken, so that the diagnosis can be done the right way and proper decisions can be made to put the right focus resources and budgets to improve the posture of the IT Security in the right direction.
- 👉 Skillmine has taken a number of assessment exercises to provide a constructive investigation of the IT security posture of various enterprises.

- First, we interview senior management and the department heads to understand the company's IT issues and experiences as well as the challenges and limitations. This is mainly done to understand the business perception.
- Then we executed two week on site constructive investigation. During the first 3 to 4 days, we talk to the senior IT managers to understand the technology which is available in the company to get a overview of the current technical stack.
- We undertake a comprehensive data collection from the IT functions, about the number of servers, networks, applications and data base existing in the current organization. We also look for the latest service reports, security issue reports, the last VAPT reports, etc to get more insight about the functioning and operating of the IT systems.
- Finally, we do constructive investigation ourselves by getting into the various system consoles and validate the data points during the data collection exercise.
- We then corroborate the information that we have received from the executive management and the IT management to the data provided by our own investigation and we get into a constructive fault finding mission.
- After this we come up with our initial observations which are discussed with the customer get clarifications and validated to understand if any final rounds of further investigation is required.

- The second round of investigation then takes place for certain clarifications to be cleared which helps Skillmine eliminate false positives from the first round.
- After this a detailed report is made in terms of three key aspects.
 - We create a color coding mechanism to depict of various different security logical diagrams and the current security postures.
 - We provide a short, medium, and long term recommendations across various streams of issues identified.
 - We provide pinpointed evidence, in terms of how observations are done and what could be the best practice to mitigate these issues.
- These are provided as per the below logical diagram



What did **we** do?



The assessment done for the largest Credit card service provider in KSA led to a comprehensive engagement to do managed security services. These services are still ongoing from the past five years.

We have improved their security posture from a score of 2.2/5 to 4.1/5 over a period of three years.

The assessment undertaken for a World leader in engineering and industrial consulting led to a comprehensive revamp of their underlying infrastructure security solutions and some aspects of their data security elements including web emailing security which provided much needed alleviation from the outside security threats to contain them.



The assessment done for a leading organisation in Qatar with divisions across various sectors, led to a planning exercise to look at a comprehensive managed security operation and a SOC center to be created with incident management.

For more information
Contact: info@skill-mine.com
Visit us: skill-mine.com



India | KSA | UK | USA