

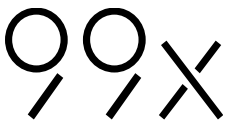


Security as a Service Offering:

Assuring peace of mind for Boligmappa

Services

99x.io



The Solution: 99x Security Team

99x had already become the backbone of the development when the challenge related to security was identified. The idea of seeking guidance related security from 99x was a natural decision. 99x analyzed the Boligmappa security challenge in the beginning of 2017 and proposed a proper solution which was composed of introducing a dedicated security engineer and integrating security into SDLC in the following manner.

- Identification of Security Requirements
- Introduction of Risk Assessment to assess the related risk
- Introduction of Threat Modelling to identify and prioritize potential threats and vulnerabilities in product
- Introduction of SAST (Static Application Security Testing) tools to assess the security of the code in development
- Introduction of DAST (Dynamic Application Security Testing) tools to assess security related to the behavior of the running product

Secure Software Development Life Cycle (SSDLC)

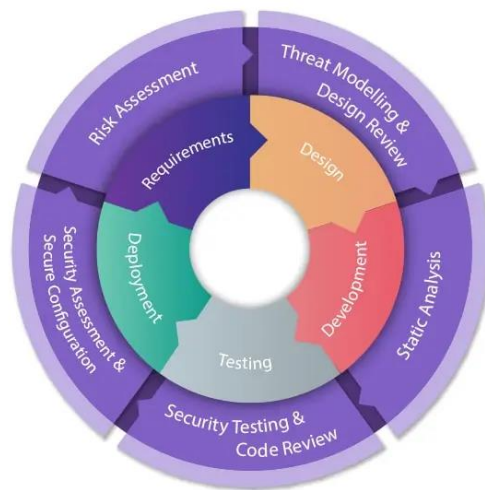
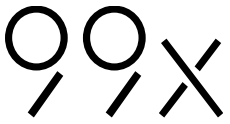


Image Courtesy: Snyk

The Methodology: 99x Security Team

99x Security Team assigned a dedicated Security Engineer into the Boligmappa Development Team. The following methodology was adhered to implement security practices.

1. Understanding the corporate strategy of Boligmappa
99x Security Team believes that security is an enabler to a business not a blocker. To become an enabler, a security team must understand the corporate strategy of its organization properly.
2. Building a Security Strategy based on the Corporate Strategy
Security Strategy is a high-level plan for how an organization will secure the assets for the next three to five years. 99x Security team was able to document a proper Security Strategy which was well aligned with Boligmappa Corporate Strategy.



3. Identification of below security gaps with Boligmappa Development Team

- Secure coding guidelines required an update.
- Security Assessments had been conducted in the past on an Ad Hoc basis.
- No defined & consistent processes or methodologies for security related matters.
- No proper security professional in the team who could devote time to security related matters.

4. Identification & prioritization of assets based on their business impact

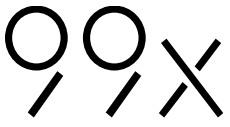
Web Applications, APIs, Mobile Applications and infrastructure of Boligmappa were identified, classified & categorized. A list was compiled for future references. An asset owner was assigned to each asset.

5. Understanding the applicable laws and regulations

GDPR (General Data Protection Regulation) was the main regulation that was applicable, and the necessary requirements were identified.

6. Identification and implementation of below security measures in phases without causing any business disruptions.

- Assigning a dedicated security engineer to Boligmappa.
- Conducting a developer awareness session in each quarter.
- Conducting SAST (Static Application Security Testing) & DAST (Dynamic Application Security Testing) for already deployed products and services
- Introduction of security documentation which contained processes, procedures and guidelines.
- Understanding of key principles of GDPR and individual rights and making necessary adjustments to the existing product features and processes.
- Integration of security into SDLC for upcoming products and feature development



The Impact

During the security integration journey, Boligmappa started to output more secure products and efficiently manage and align with GDPR requirements.

The developer time had been depleted in the past for revamping and redesigning features after a security assessment or evaluation. After integrating security in SDLC, previously depleted time could be utilized to more meaningful tasks which brought more value addition to Boligmappa.

Growth of Boligmappa's customer satisfaction due to the enhanced security posture was visible by the last stage of 2017. This security posture enhancement also became a factor for the growth of customer base.

99x : Co-creating Exceptional Product Experiences

We empower Digital Product Vendors to create Exceptional Product Experiences through our Facilitated Teams. By combining our expertise in **product engineering** and **product design**, we co-create products that achieve **market-fit** and **drive adoption**. Our Facilitated Teams provide clients with the capacity, competence, convenience, compliance, and cost-effectiveness needed for long-term success as their trusted partner. To learn more, download our Winning Product e-book [here](#).