Bloom Built – Day One Architecture Review

Prepared For:

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1.0

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Executive Summary

Bloom Built employed nVisium LLC ("nVisium") to perform a security architecture review of the Day One application architecture as well as shared infrastructure components. The purpose of this architecture review was to identify threats, the existence of compensating security controls, and to recommend strategies for mitigating the risks identified during the review. nVisium performed the architecture review from April 10, 2017 to April 17, 2017.

nVisium noted strong procedural and technical controls in place throughout the Day One architecture. These controls were centralized to the specific component, but decentralized with regard to the architecture, meaning that controls were generally difficult for a specific attacker to bypass. During the review, nVisium identified a total of seven risks, four medium and three low severity.

nVisium applied a standard approach to review the Day One architecture in a production environment. nVisium's architecture review approach is a multi-step process of discussions with developers, business stakeholders, and other technical staff to identify components and security controls in current use.

nVisium utilized conversations with stakeholders, architects, developers, and operations in order to assess control strength and organizational risk. nVisium followed standard risk analysis methodology for architectural assessments:

1. Define and understand the edges of the system.

2. Assess control families at each edge and components within the system under review.

3. Discuss the potential threat pool and its motivation at each trust boundary and edge within the system.

4. Report upon and analyze the compound organizational risk due to the uncovered items.

This approach allowed nVisium to provide the most realistic risk assessment by identifying flaws from the perspective of a specified threat.

nVisium appreciates the opportunity to support Bloom Built, as they have been receptive to nVisium's architectural review methodologies, and demonstrated a true desire to improve the quality and security of their product. It is nVisium's estimation that the current overall risk to Bloom Built through the Day One architecture is moderately low.