Entrust Corporation

PCI Penetration Test

Opportunity Number: OP-2618683

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OPTIV

Assessment Summary

Defending the enterprise against ever-growing security threats requires a layered security strategy. Modern organizations must structure their strategies at defined points of criticality within their environment. Optiv works with its clients to devise and apply effective security measures to provide world-class services and solutions tailored to each one's unique environment.

Background

Optiv Security Inc. (Optiv) performed a security assessment on behalf of Entrust Corporation (Entrust). Optiv conducted the engagement between October 24 and November 4, 2022. High-level objectives for this engagement consisted of the following:

- Evaluate the security posture of Entrust's organizational assets by utilizing common and custom assessment techniques and proprietary and commercial toolsets
- Suggest potential improvements and additional features that may further enhance Entrust's security posture
- Assist in the prioritization and categorization of weaknesses such that mitigation activities can be designed to address both systemic and aberrational issues in a manner commensurate with perceived risk and cost

Scope and Methodology

Optiv follows a phased assessment approach that is extremely effective for evaluating and improving the security of enterprise networks. Optiv consultants attempt to catalog, then penetrate or circumvent existing security mechanisms by using tools and techniques that are like those used by attackers. In this manner, the approach identifies gaps in the current level of security in place at the organization and recommends the steps needed to close those gaps.

The engagement consisted of the following components:

- Perimeter Payment Card Industry (PCI) Penetration Test
- Targeted Internal PCI Penetration Test (Chaska, Minnesota)
- Targeted Internal PCI Penetration Test (Denver, Colorado)

The assessment provides Entrust with a comprehensive discovery, analysis, and controlled exploitation of the organization's security vulnerabilities. These efforts measure the effectiveness of the organization's security efforts and the maturity of solutions currently in place to detect and prevent the compromise of critical assets.

Conclusion

Entrust partners can be assured that Entrust performed proper due diligence by engaging an experienced and trusted third party to independently evaluate their environment from an information security standpoint. Based on the findings observed and remediation already in progress during the assessment, Entrust is following a best practices approach to continually improve their organization's maturity and meet or exceed industry standards for information security.

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