Executive Summary

Company ("*Company*") engaged 3RT Networks ("3RT") to perform a security assessment starting in April of 2020. The goal is to identify vulnerabilities that may lead to the compromise of the business or mission critical customer objectives. The attached reports include detailed analysis of the data collected, all vulnerabilities that were discovered, and a recommended approach to remediate vulnerabilities uncovered during our assessment.

Process

The Security Assessment uses an industry standard tool to gather information from a number of different systems. There are three parts to the assessment.

1. External Vulnerability Assessment – a scan of the publicly accessible IP addresses was performed, and potentially vulnerable systems were enumerated
2. Internal Vulnerability Assessment – a scan of the internal IP addresses was performed, and potentially vulnerable systems were enumerated
3. Credentialed Scan of Computers and Servers – a scan, using a valid Active Directory account, was performed. This scan allows for a deep dive into servers and workstations to determine if patches have been applied and if security software is running. The security policy of the domain is also evaluated.

This assessment is a credentialed assessment (sometimes called white box testing) designed to uncover every possible vulnerability and not just items that can be scanned for, such as the presence of anti-virus software on a machine.

Vulnerability Definitions

The vulnerabilities found are classified using the industry standard Common Vulnerability Scoring System (CVSS). The CVSS allows organizations to prioritize which vulnerabilities to fix first and gauge the impact of the vulnerabilities on their systems. The Base score is the metric most relied upon by enterprises and deals with the inherent qualities of a vulnerability. The 3RT Security Assessment uses High, Medium, and Low to rank each vulnerability's CVSS score.

1. High – CVSS score of 7.0 and above
2. Medium – CVSS score between 4.0 and 7.0
3. Low – CVSS score of less than 4.0

Risk Score

The 3RT Security Assessment also incorporates a proprietary score to provide a single value that can be used to compare an initial assessment to a follow-up assessment after remediation efforts have been completed. The Risk Score is a value from 1 to 100, where 100 represents significant risk and issues.