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| CyberOpps at Risk | |
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| 11 May 24Security Categorization | Curtis CrawfordLighthouse Labs |

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|  | Executive SummaryThe following are what the different categories of information scored when it comes to their security impact level. These categories and scores shall be listed in order of most to least importance.   1. (HIGH) System’s Information is of great importance to CyberOpps, and knowing “that if given a choice, they would rather destroy the unique product than let it be stolen”, it obviously has an extremely high level of impact if compromised.   2. (HIGH) Privacy, including that of the user, private product plans, etcetera.   3-5 (HIGH) Proprietary information, financial information, & medical information (in that order). This includes secure information about the owners & private employee documentation, credentials, financial & medical records. Extremely important stuff. 6 (LOW) Security management includes but is not limited to things such as computers themselves, buildings, people. Out of everything it would definitely feel the lowest impact. | |  |
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|  | Overview of Findings:  S : Systems Information {(confidentiality, HIGH), (integrity, HIGH), (availability, HIGH)} SIL = HIGH  P : Privacy {(confidentiality, HIGH), (integrity, HIGH), (availability, LOW)} SIL = HIGH  IP : Proprietary  {(confidentiality, HIGH), (integrity, HIGH), (availability, LOW)} SIL = HIGH |  |  |

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|  | F : Financial  {(confidentiality, HIGH), (integrity, MEDIUM), (availability, MEDIUM)}  SIL = HIGH  M : Medical  {(confidentiality, HIGH), (integrity, MEDIUM), (availability, LOW)}  SIL = HIGH  SM : Security Management {(confidentiality, MEDIUM), (integrity, LOW), (availability, LOW)}  SIL = LOW |  |  |
|  | NVD Findings An issue was discovered in TitanFTP (aka Titan FTP) NextGen before 1.2.1050. When installing, Microsoft SQL Express 2019 installs by default with an SQL instance running as SYSTEM with BUILTIN\Users as sysadmin, thus enabling unprivileged Windows users to execute commands locally as NT AUTHORITY\SYSTEM, aka NX-I674 (sub-issue 2). NIST: NVD CVSS: 7.8 When it comes to the CVSS (common vulnerability scoring system), it scored a 7.8. That’s quite high for a system that rates from 0-10. |  |  |
|  | Image | |  |

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|  | The solution is quite simple, keep reading below.  Fortunately, there’s a known fix for this issue. “The 1.2.1050 release corrects this vulnerability in a new installation, but not in an upgrade installation.”(-nvd.nist.gov). This means that by simply uninstalling Titan FTP and installing the newer version, the vulnerability is no longer an issue. |  |  |