Software Bill of Materials

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List of software components used in the codebase and their supplier:

* QT Designer - The Qt Company
* PyQt5 - RiverBank Computing
* Sys - Python
* Time - Python
* Socket - Python
* GitHub / GitHub workflows
* Random - Python
* Threading - Pyhton
* Unittest / Pytest - Python
* From PyQt5 QtWidgets - RiverBank Computing
* From PyQt5.QtWidgets, QApplication, QWidget, QVBoxLayout, QLabel, QPushButton, QProgressBar, QFrame, QHBoxLayout, QGridLayout, QDesktopWidget, QMainWindow - RiverBank Computing
* From PyQt5.QtCore, Qt, QTimer, Qsize - RiverBank Computing
* From PyQt5.QtWebEngineWidgets, QWebEngineView - RiverBank Computing

License Information of Components:

* QT designer - <https://doc.qt.io/qtforpython-6/licenses.html>
* PyQt5/RiverBank Computing - <https://riverbankcomputing.com/commercial/license-faq>
* Python - <https://docs.python.org/3/license.html>
* GitHub - <https://docs.github.com/en/rest/licenses?apiVersion=2022-11-28>

Vulnerability Information of Components:

* QT designer - The only known vulnerability was back in January of this year where within QML there were issues with buffer and integer overflow. It was determined that this was a low-risk issue as first, the overflow had to be specifically created and second, the issue was for C++, not Python.
* PyQt5 - Upon using synk.io / web research it was found that there were no known vulnerabilities to report.
* Python - Upon research it was found that injection vulnerabilities exist within Python. This is somewhat of a risk, but for any user input our code has input checking, so nothing will be run if it's not within the acceptable parameters.
* GitHub - Upon research, there have been vulnerabilities within past versions of GitHub, but as long as you are using version 2.39.2 or higher it is safe.