

# Qt6 (and friends) for Penetration Testers

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## Section 1: Qt Creator

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1. [Qt Creator fundamentals](#)
2. [QMake Familiarisation](#)
3. [Static build for Windows MSVC](#)
4. [Debugging in Qt Creator and memory analysis](#)

## Section 2: Development scaffolding

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1. [Development Scaffolding with Code Snippets, Item Templates and Project Templates- basics](#)
2. [Snippet examples](#)
3. Item templates
4. Project templates
5. Test Driven Development with Qt testlib #1: Self-testing console projects
6. Test Driven Development with Qt testlib #2: Qt Creator console testing projects
7. Test Driven Development with Qt testlib #3: Qt Widget projects
8. Installer framework

## Section 3: All you really need to know about . . .

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1. . . . the Qt property system, meta-object, Qt's memory model, and miscellaneous good stuff
2. . . . structured text with Qt (.ini, XML and JSON)
3. . . . Qt state machines, why you can't use them in a console app (and an alternative)
4. . . . sockets 'n stuff with Qt Network
5. . . . threads 'n stuff with QThread, QRunnable and Qt Concurrent
6. . . . RESTful APIs 'n stuff with Qt HTTP Server
7. . . . plugins 'n stuff with QPluginLoader and QLibrary
8. . . . ECMAScript 'n stuff with QJSEngine
9. . . . databases 'n stuff with Qt SQL

## Section 4: The 'and friends' section

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1. XML Notepad
2. DB Browser
3. RAR and file hiding
4. QScintilla
5. Open Multi-Procssing (OMP)

## **Section 5: Project #1 - Qt Read-Eval-Print-Loop (qrepl.exe)**

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## **Section 6: Project #2 - Qt Network Mapper (qnmap.exe)**

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## **Section 7: Project #3 - Qt Post-exploitation Toolkit (qpets)**

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## **Section 8: Project #4 - Qt Command-and-control (qc2)**

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## **Section 9: Project #5 - Qt Public Key Infrastructure (qpki)**

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