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1.12 Summary

[Figure 1.5](#) shows a complete, albeit simple, TCP client that fetches the current time and date from a specified server, and [Figure 1.9](#) shows a complete version of the server. These two examples introduce many of the terms and concepts that are expanded on throughout the rest of the book.

Our client was protocol-dependent on IPv4 and we modified it to use IPv6 instead. But this just gave us another protocol-dependent program. In [Chapter 11](#), we will develop some functions to let us write protocol-independent code, which will be important as the Internet starts using IPv6.

Throughout the text, we will use the wrapper functions developed in [Section 1.4](#) to reduce the size of our code, yet still check every function call for an error return. Our wrapper functions all begin with a capital letter.

The Single Unix Specification Version 3, known by several other names and called simply *The POSIX Specification* by us, is the confluence of two long-running standards efforts, finally drawn together by The Austin Group.

Readers interested in the history of Unix networking should consult [Salus 1994] for a description of Unix history, and [Salus 1995] for the history of TCP/IP and the Internet.

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