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Summary

As you have seen throughout this chapter, by improving your application's I/O performance, you can make a vast difference and refrain from any computation-related optimizations. This chapter:

- Examined the difference between synchronous and asynchronous I/O.
- Explored various I/O completion notification mechanisms.
- Gave general tips about I/O, such as minimizing memory buffer copying.
- · Discussed file-I/O-specific optimizations.
- · Examined socket-specific optimizations.
- Showed how to optimize network protocol to fully exploit available network capacity.
- Compared and benchmarked various serializers built into the .NET Framework.
- · Covered WCF optimizations.