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## Summary

However different, the optimization tips and techniques discussed in this chapter are critical for implementing high-performance CPU-bound algorithms and designing the architecture of complex systems. By making sure your code takes advantage of the built-in JIT optimizations as well as any specific instructions the processor has to offer, by reducing as much as possible the startup times of your client applications, and by steering clear of expensive CLR mechanisms such as Reflection and exceptions, you will assuredly squeeze every bit of performance from your managed software.

In the next and final chapter we will discuss the performance characteristics of Web applications, primarily in the ASP.NET domain, and introduce specific optimizations that are relevant only to Web servers.