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CHAPTER 5



Collections and Generics

There is scarcely even a code sample that doesn't use a collection such as a `List<T>` or a `Dictionary<K,V>`. Large applications may have hundreds of thousands of collection instances in concurrent use. Selecting the right collection type for your needs — or trying to do better by writing your own — can provide significant performance benefits to many applications. Because as of .NET 2.0, collections are intimately linked with the CLR implementation of generic types, we begin our discussion with generics.