Core.Net

1 File I/O and Isolated Storage

Exploring the System.IO Namespace

The Directory(Info) and File(Info) Types

Working with the DirectoryInfo Type

Working with the Directory Type

Working with the DriveInfo Class Type

Working with the FileInfo Class

Working with the File Type

The Abstract Stream Class

Working with StreamWriters and StreamReaders

Working with StringWriters and StringReaders

Working with BinaryWriters and BinaryReaders

Programmatically “Watching” Files

Performing Asynchronous File I/O

Understanding the Role of Isolated Storage

A Primer on Code Access Security

An Overview of Isolated Storage

Obtaining a Store Using IsolatedStorageFile

Isolated Storage in Action: ClickOnce Deployment

2 Managing errors and exceptions

- Errors and Exceptions
- Throwing an Exception
- Catching an Exception
  - Organizing the Handlers
  - Sequence of Events in Handling Exceptions
- Expected Exceptions in File Processing
  - Reading Text Files
  - Writing and Appending Text Files
  - Expected Exceptions
- The finally Block
  - The try-finally Statement
  - The try-catch-finally Statement
- User-defined Exceptions
- Re throwing Exceptions
  - Re throwing the Exception Back to Main
  - Re throwing by the Handler Block
- Using checked and unchecked integer arithmetic
  - Writing checked statements
  - Writing checked expressions

3 Collections and Iterators

- Collections Classes
- The Stack Collection

4 Generics

6 Threading in C#

Thread Pooling

Entering the Thread Pool via TPL

Entering the Thread Pool Without TPL

Optimizing the Thread Pool