Delegates enable you to call a synchronous method in an asynchronous manner.

When you call a delegate synchronously, the **Invoke** method calls the target method directly on the **current thread**. If the **BeginInvoke** method is called, the common language runtime (CLR) **queues the request** and returns **immediately to the caller.**

The target method is called asynchronously on a thread from **the thread pool**. The **original thread,** which submitted the request, **is free to continue executing in parallel with the target method**.

If a callback method has been specified in the call to the **BeginInvoke**method, the callback method is called when the target method ends. In the callback method, the **EndInvoke** method obtains the return value and any input/output or output-only parameters. If no callback method is specified when calling **BeginInvoke**, **EndInvoke** can be called from the thread that called **BeginInvoke**.