## Event-Driven Asynchronous Network Programming Part 1

**MCIT 595** 

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## Two Techniques for Handling Blocking System Calls

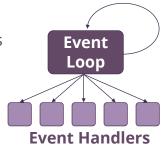
- Solution I: Multithreading
- Solution II: Event-Driven Asynchronous Programming

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## **Event-Driven Programming**

- One execution stream: no CPU concurrency
- Register interest in events (callbacks)
- Event loop waits for events, invokes handlers
- No preemption of event handlers
- · Handlers generally short-lived



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