Features

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MINA is a simple yet full-featured network application framework which provides:

- Unified API for various transport types:
    - TCP/IP & UDP/IP via Java NIO
    - Serial communication (RS232) via RXTX
    - In-VM pipe communication
    - You can implement your own!
- Filter interface as an extension point; similar to Servlet filters
- Low-level and high-level API:
    - Low-level: uses ByteBuffers
    - High-level: uses user-defined message objects and codecs
- Highly customizable thread model:
    - Single thread
    - One thread pool
    - More than one thread pools (i.e. SEDA)
- Out-of-the-box SSL · TLS · StartTLS support using Java 5 `SSLEngine`
- Overload shielding & traffic throttling
- Unit testability using mock objects
- JMX managability
- Stream-based I/O support via `StreamIoHandler`
- Integration with well known containers such as PicoContainer and Spring
- Smooth migration from Netty, an ancestor of Apache MINA.