

高性能通信框架之Netty

GUPAOEDU

讲师：Mic

我们的愿景

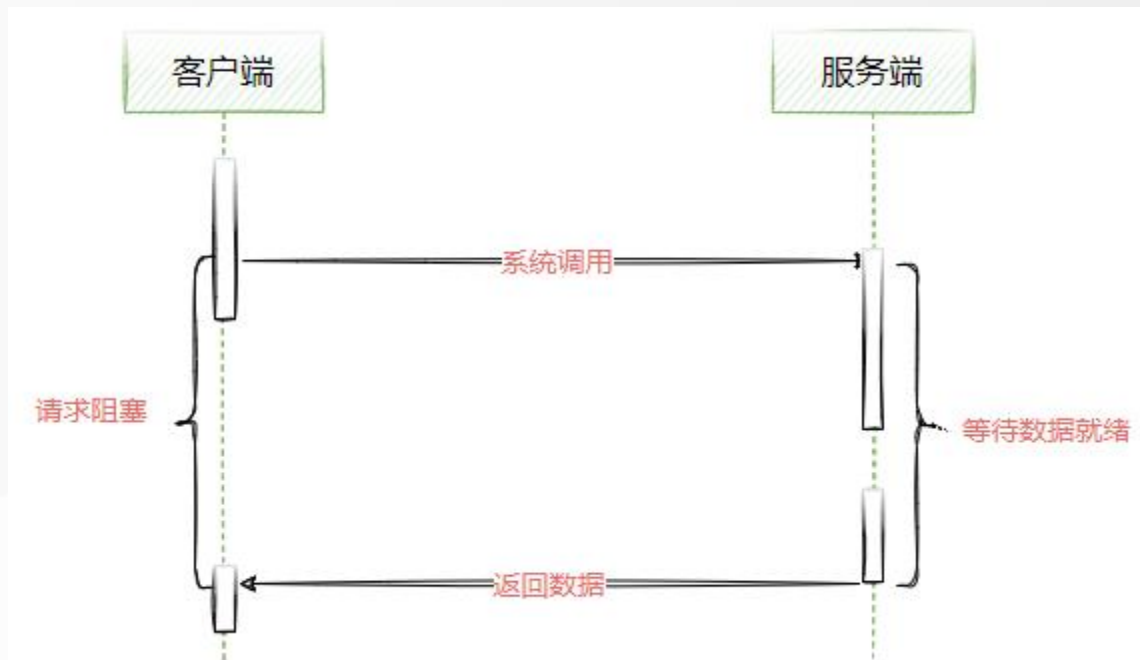
推动每一次人才升级

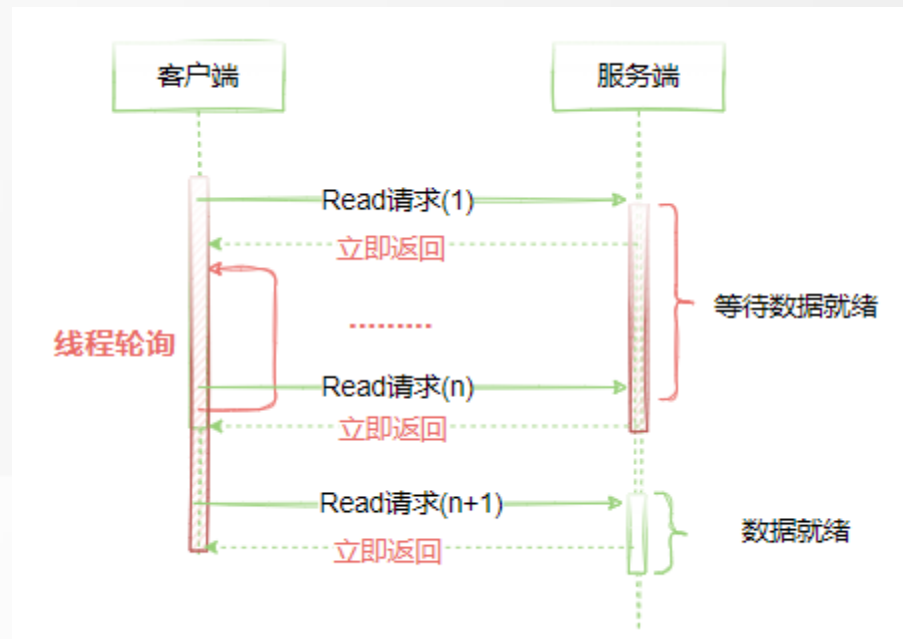
我们的使命

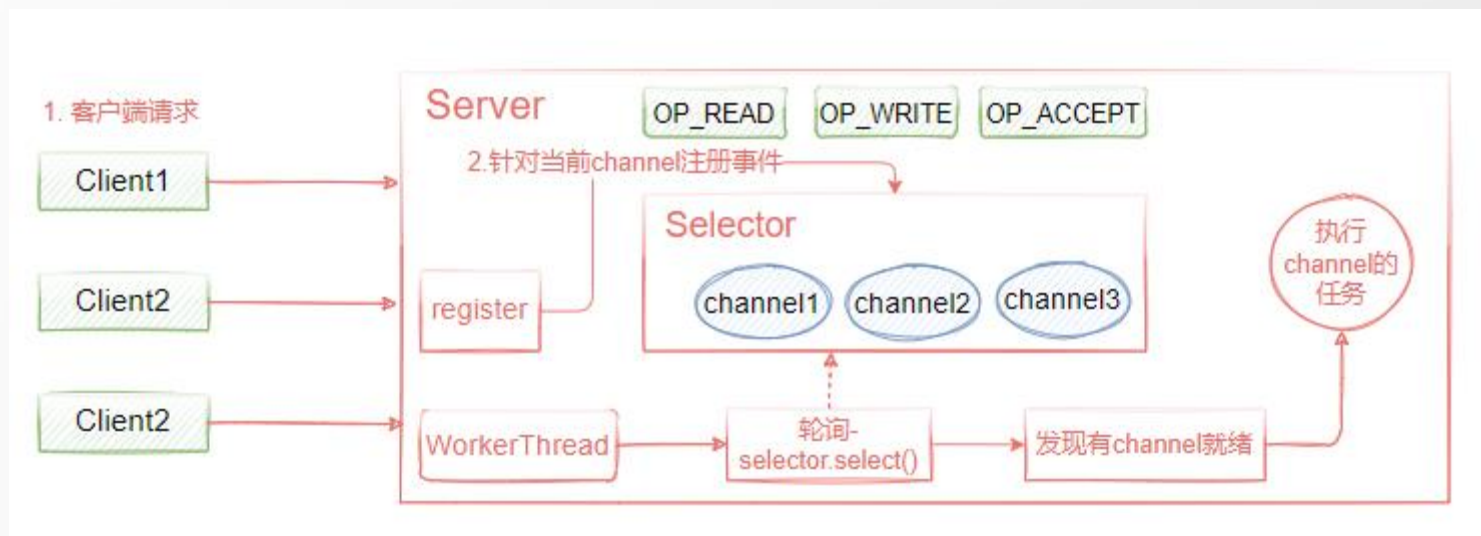
让每个人的职业生涯不留遗憾

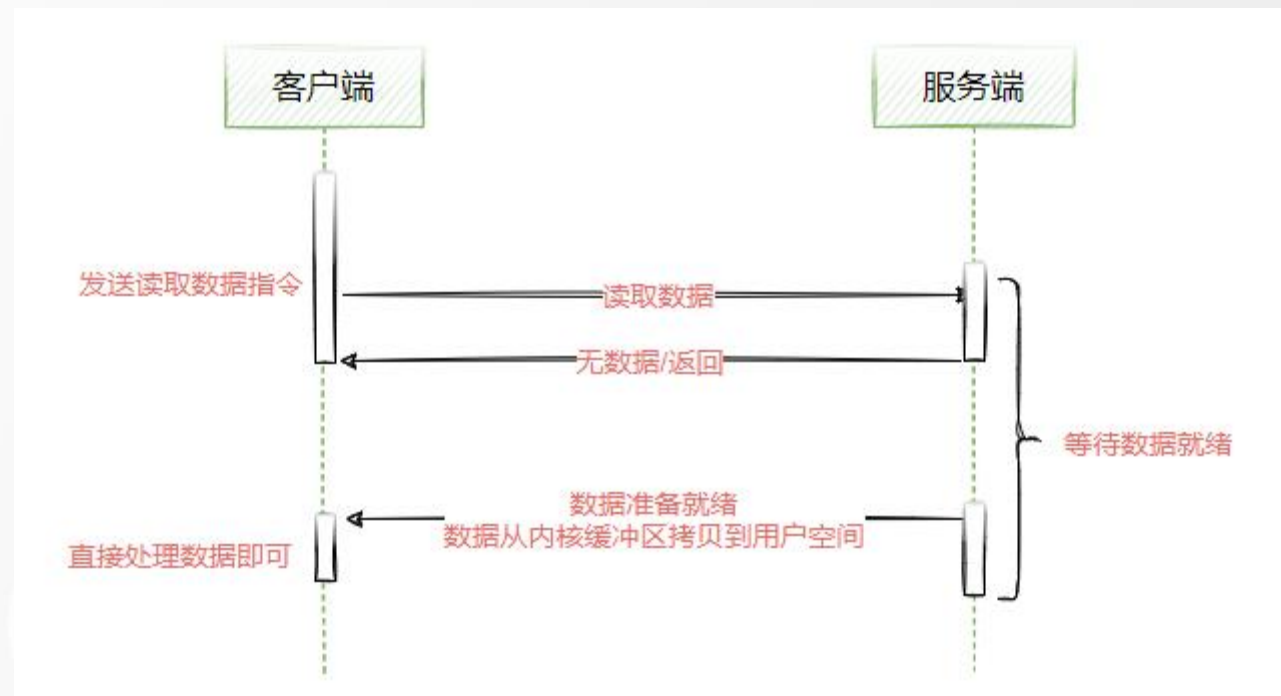
本节课程内容安排

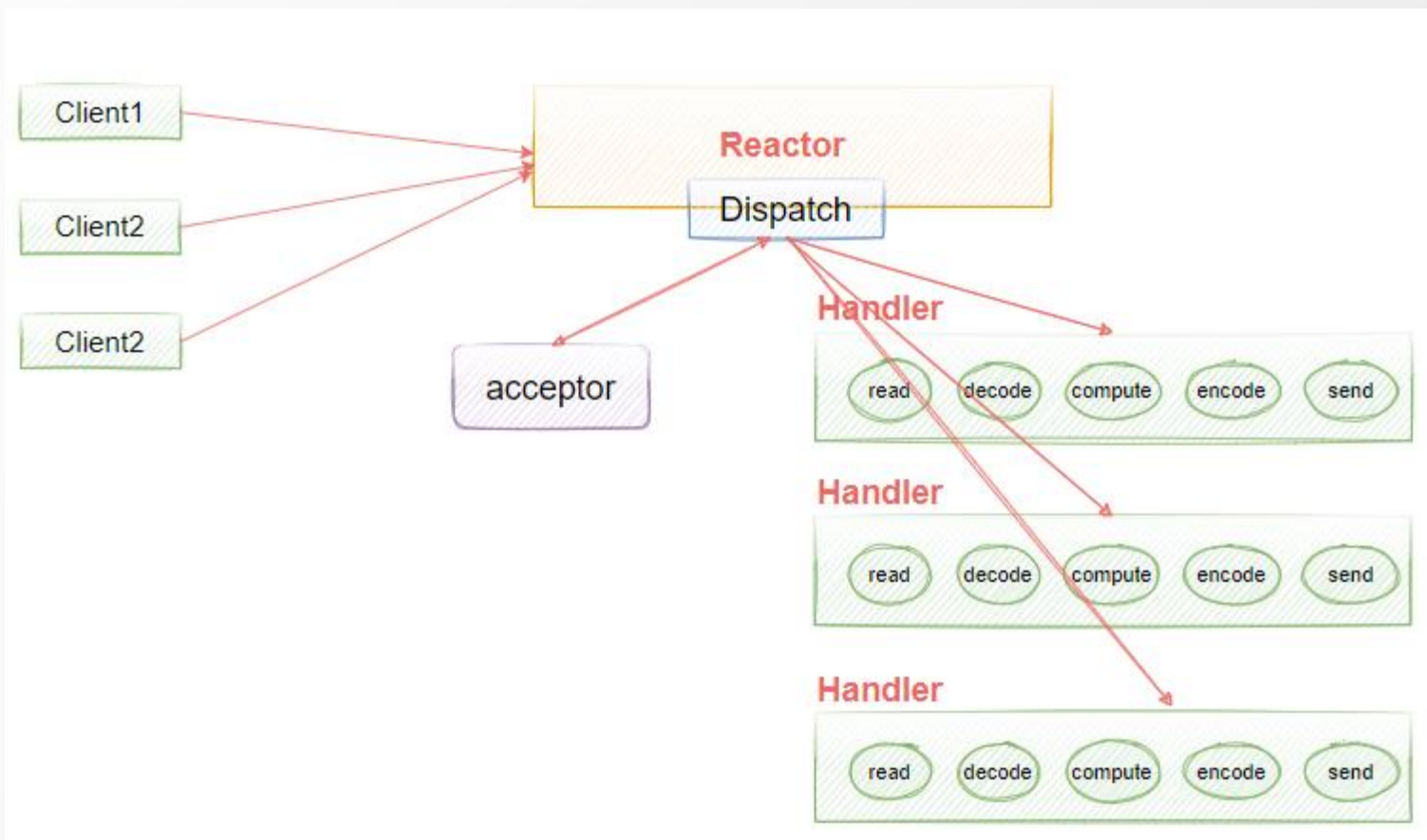
1. 从IO的发展理解Netty
2. 为什么选择Netty
3. Netty的生态
4. Netty的基本应用
5. Netty工作机制分析

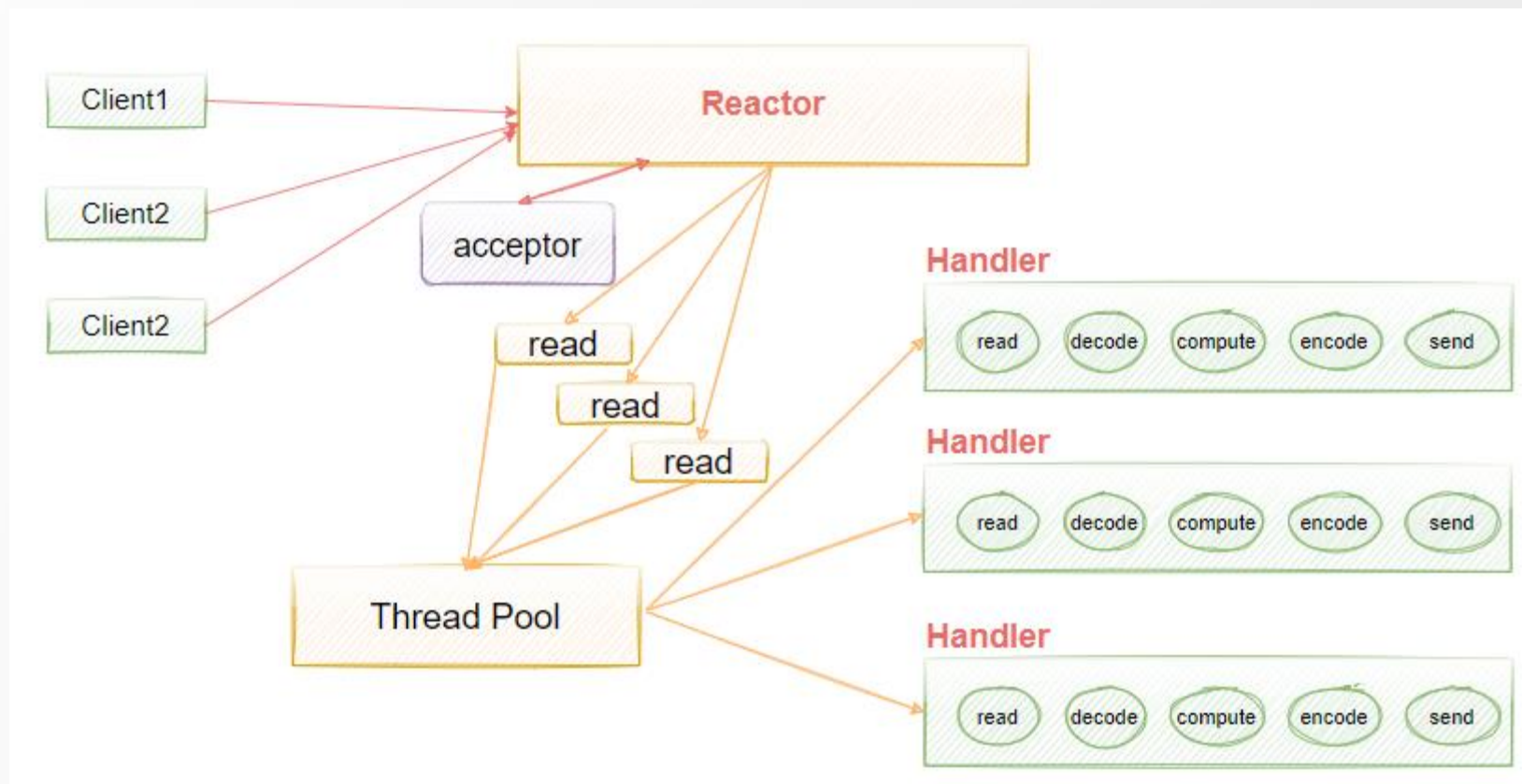


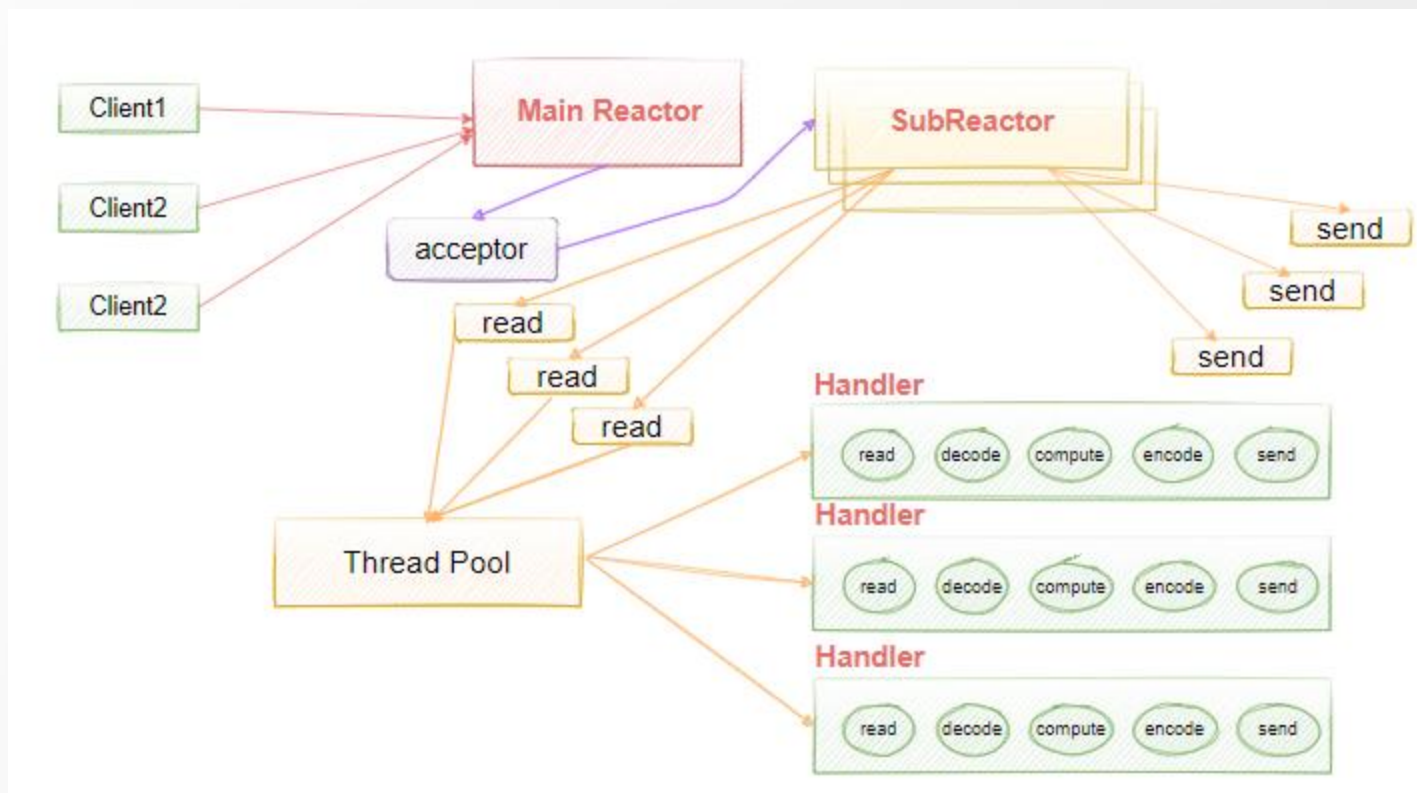












Netty的生态

Netty核心组件的使用和说明

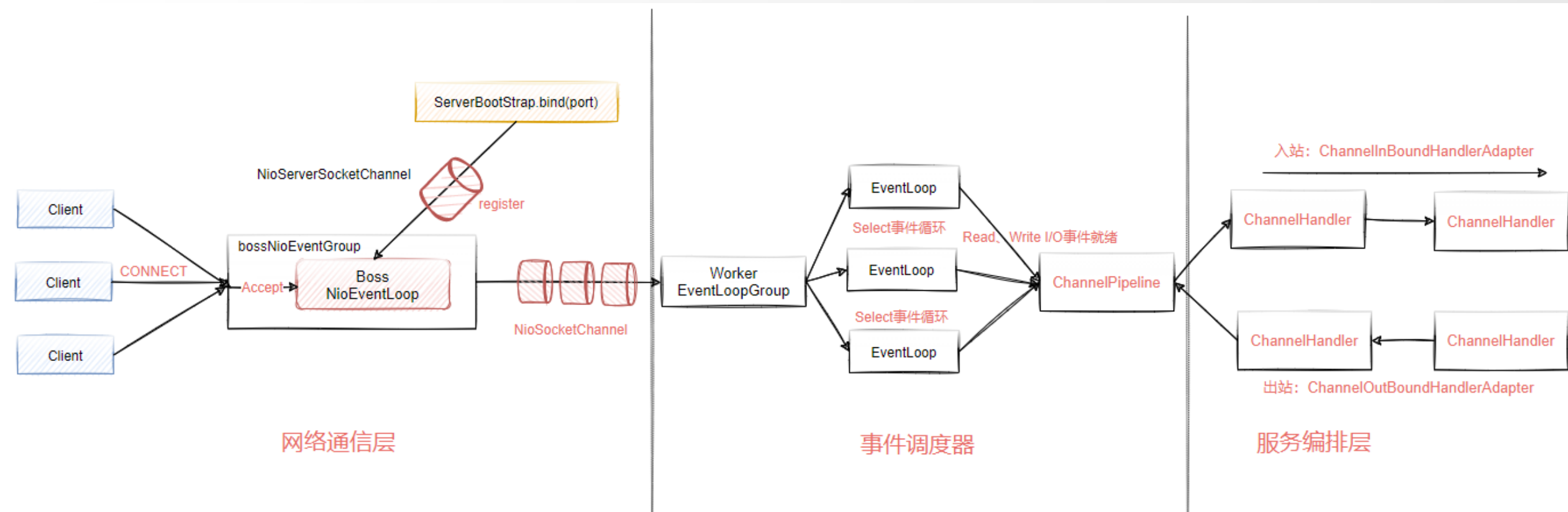
拆包和粘包

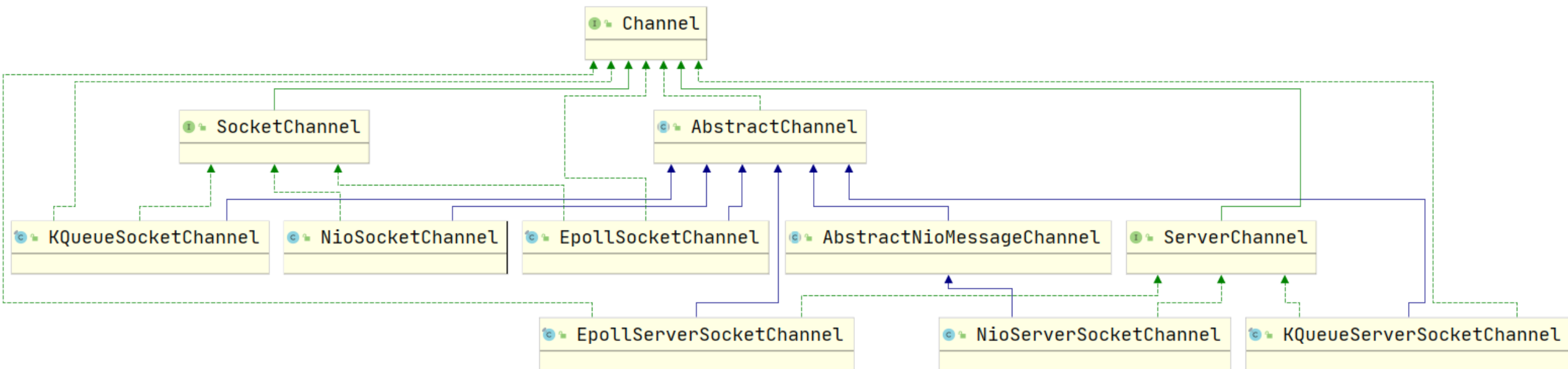
Netty多协议开发应用

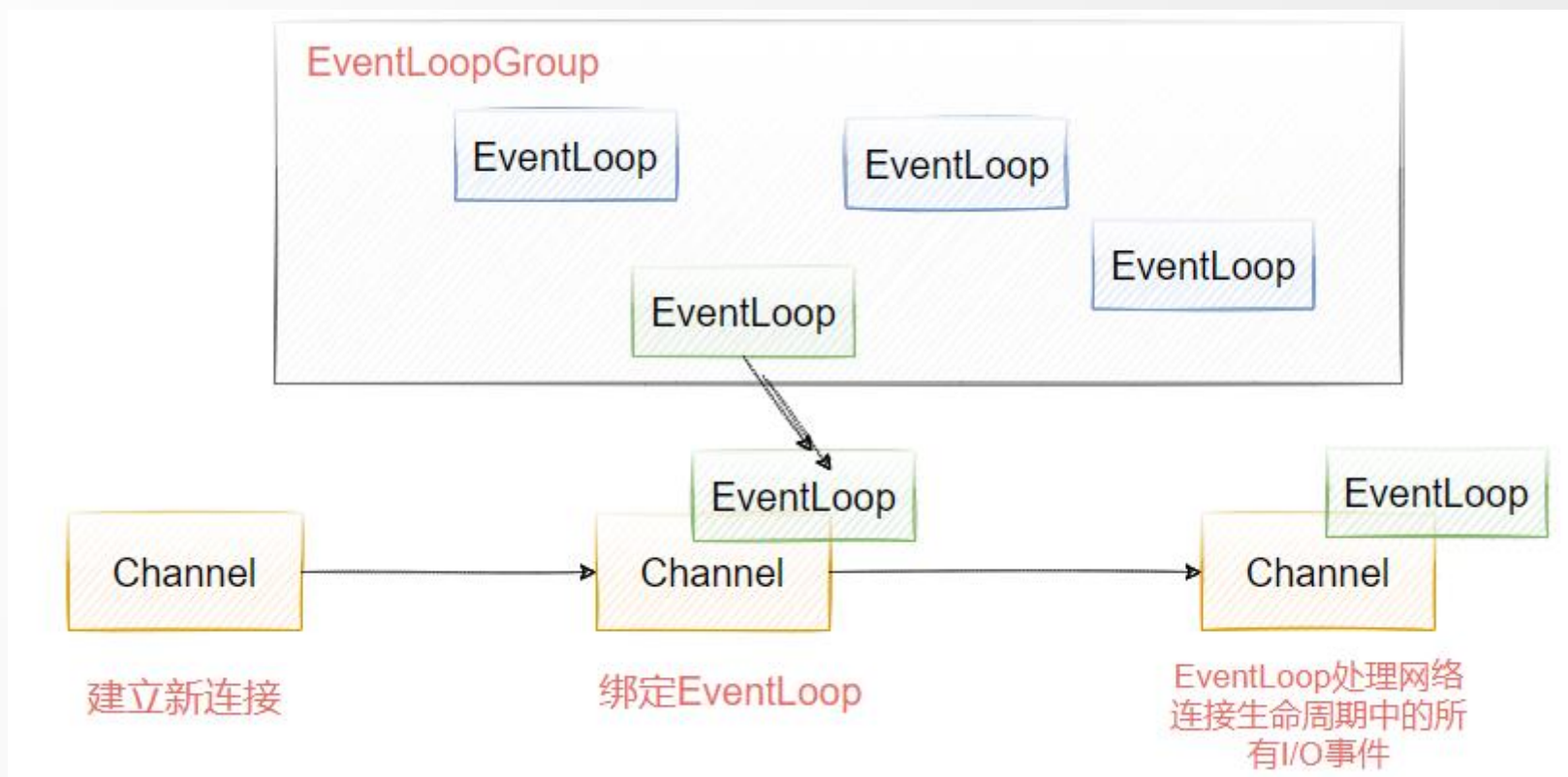
内存管理

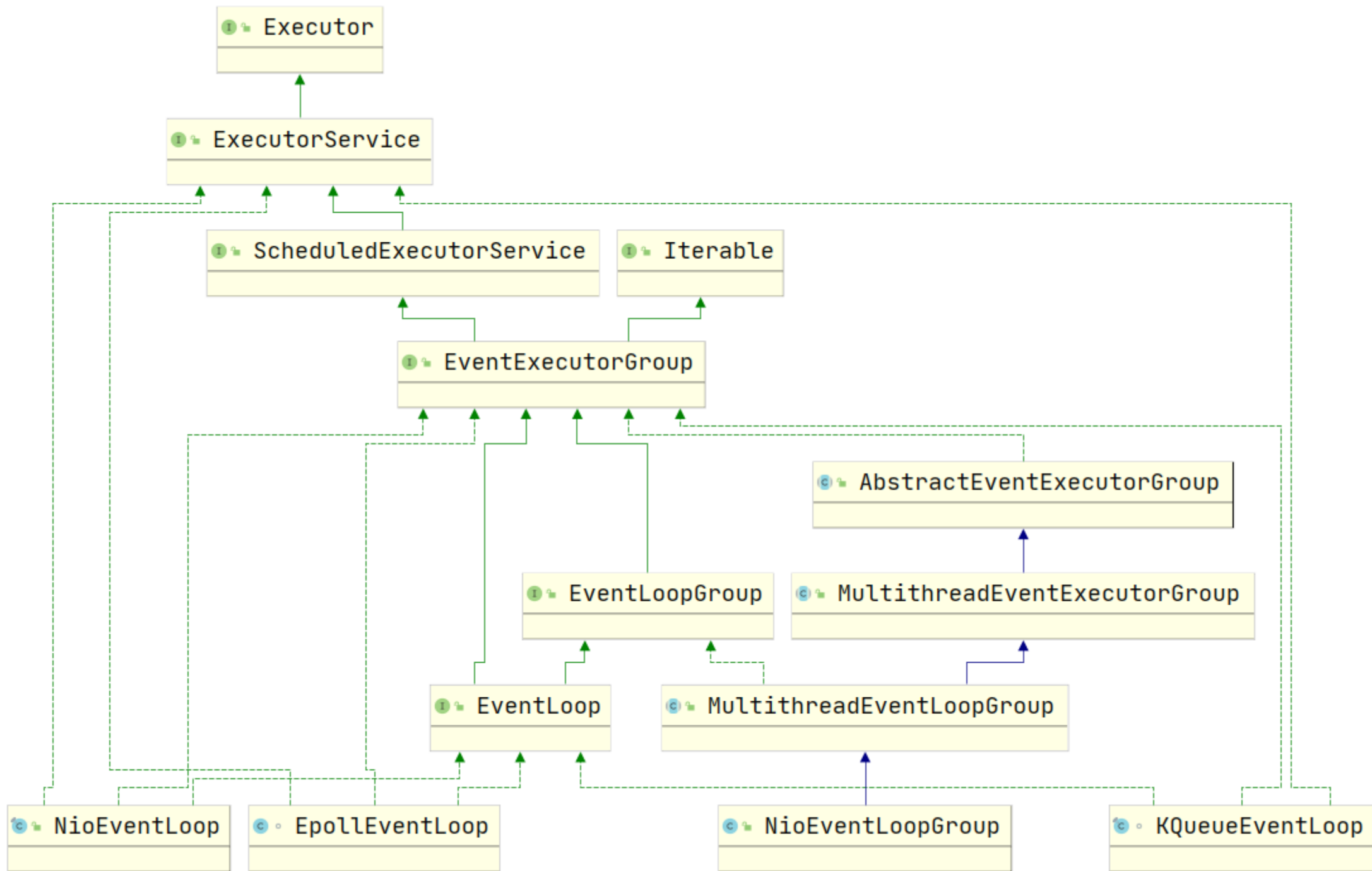
序列化和反序列化

其他设计





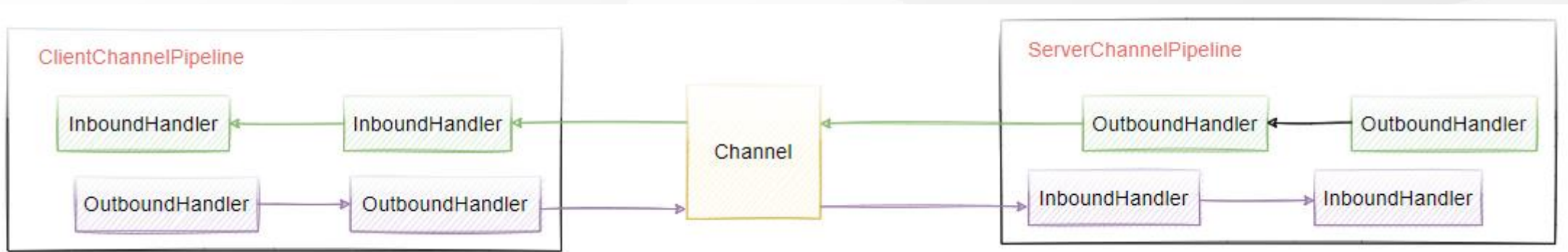


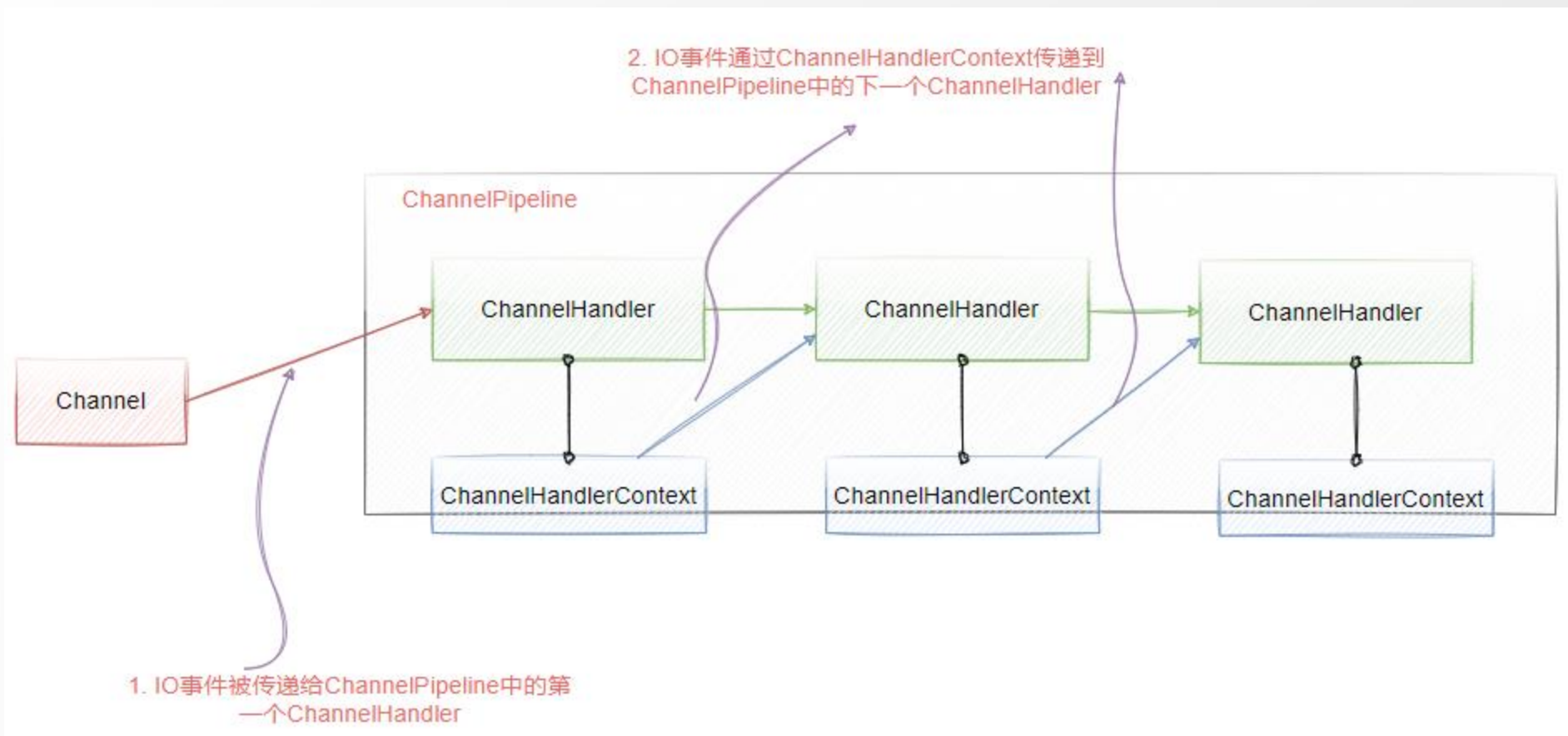


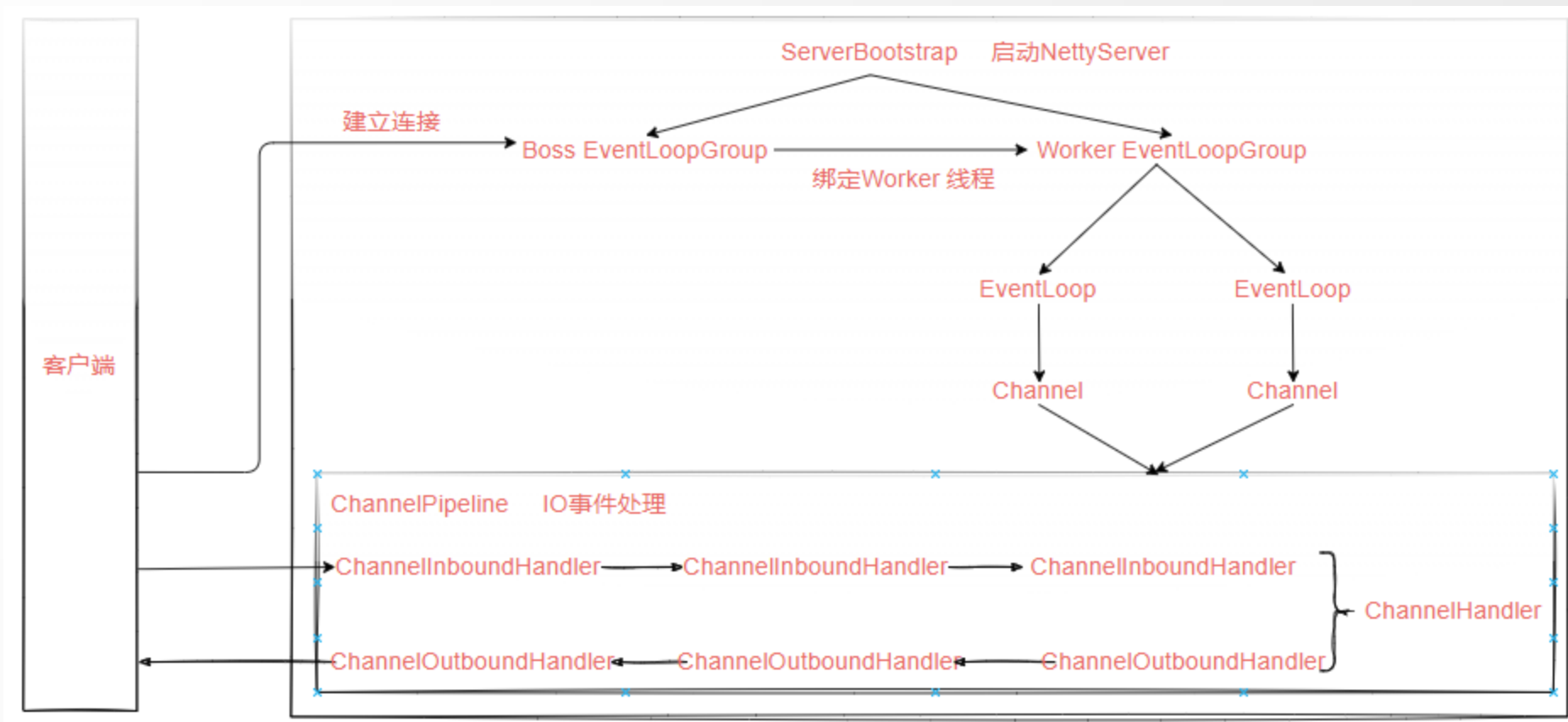
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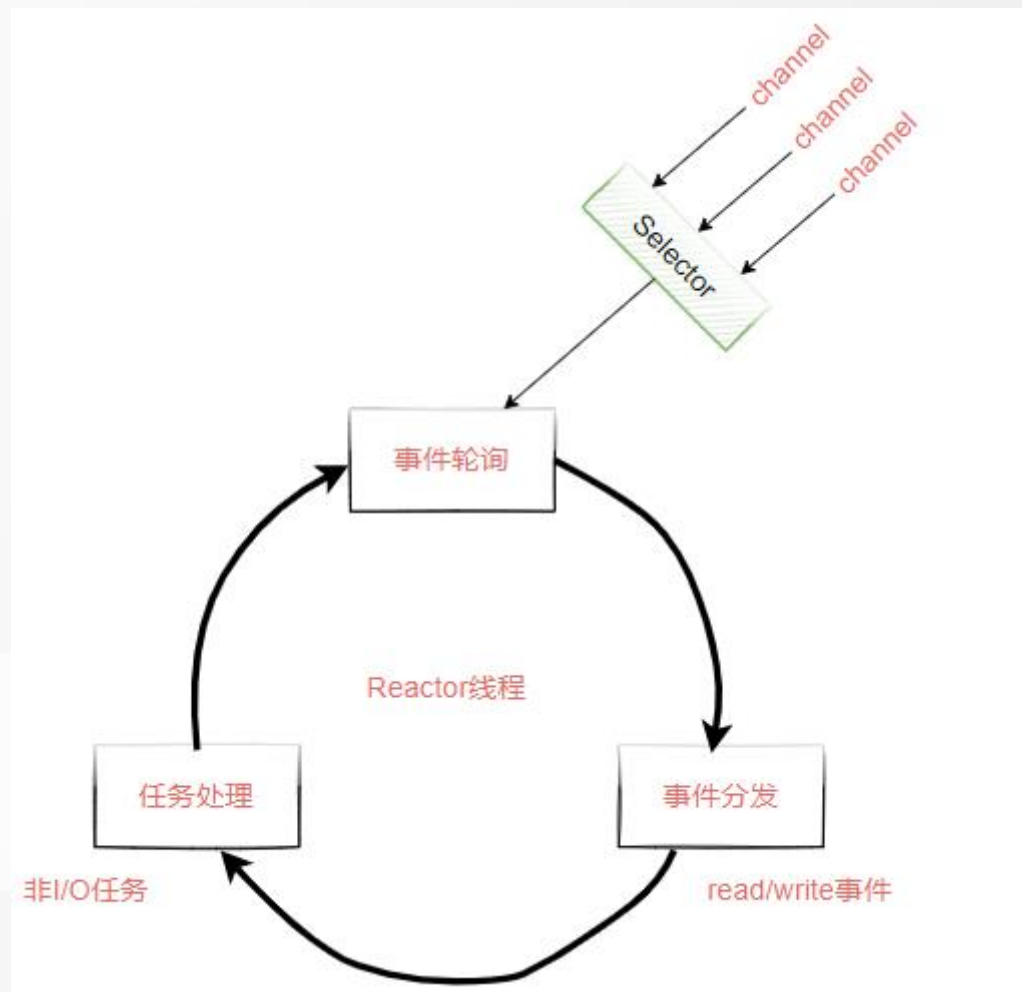
+-----+-----+-----+-----+
|                                     | ChannelPipeline |                                     | | | |
|                                     |                 |                                     |
|                                     |                 |                                     |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
| | Inbound Handler  N  | | | Outbound Handler  1  | |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
|                 /\ | | | |                                     |
|                 | | | | |                                     |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
| | Inbound Handler N-1 | | | Outbound Handler  2  | |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
|                 /\ | | | |                                     |
|                 . | | | |                                     |
|                 . | | | |                                     |
| ChannelHandlerContext.fireIN_EVT() ChannelHandlerContext.OUT_EVT() |
| [ method call] | | | [method call] | | |
|                 . | | | |                                     |
|                 . | | | |                                     |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
| | Inbound Handler  2  | | | Outbound Handler M-1 | |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
|                 /\ | | | |                                     |
|                 | | | | |                                     |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
| | Inbound Handler  1  | | | Outbound Handler  M  | |
| +-----+-----+-----+-----+ | +-----+-----+-----+-----+ |
|                 /\ | | | |                                     |
+-----+-----+-----+-----+ | +-----+-----+-----+-----+
|                 | | | | |                                     |
+-----+-----+-----+-----+ | +-----+-----+-----+-----+
|                 | | | | |                                     |
| [ Socket.read() ] | | | [ Socket.write() ] |
|                 | | | | |                                     |
| Netty Internal I/O Threads (Transport Implementation) |
+-----+-----+-----+-----+ | +-----+-----+-----+-----+

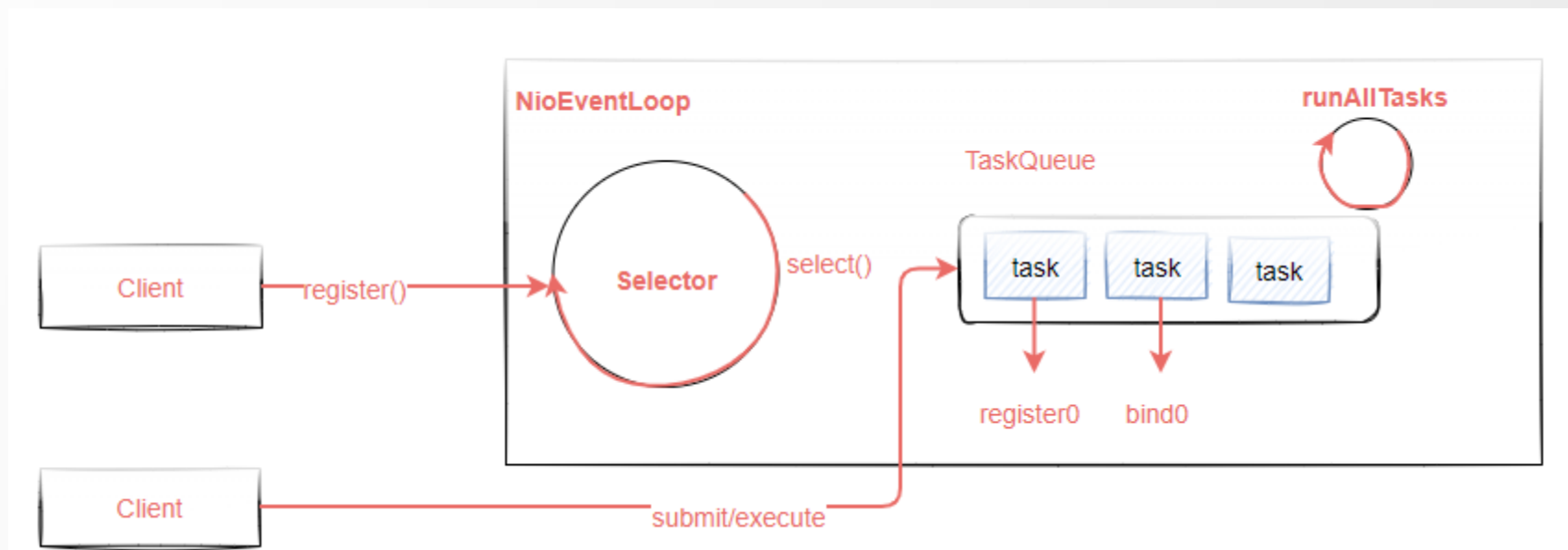
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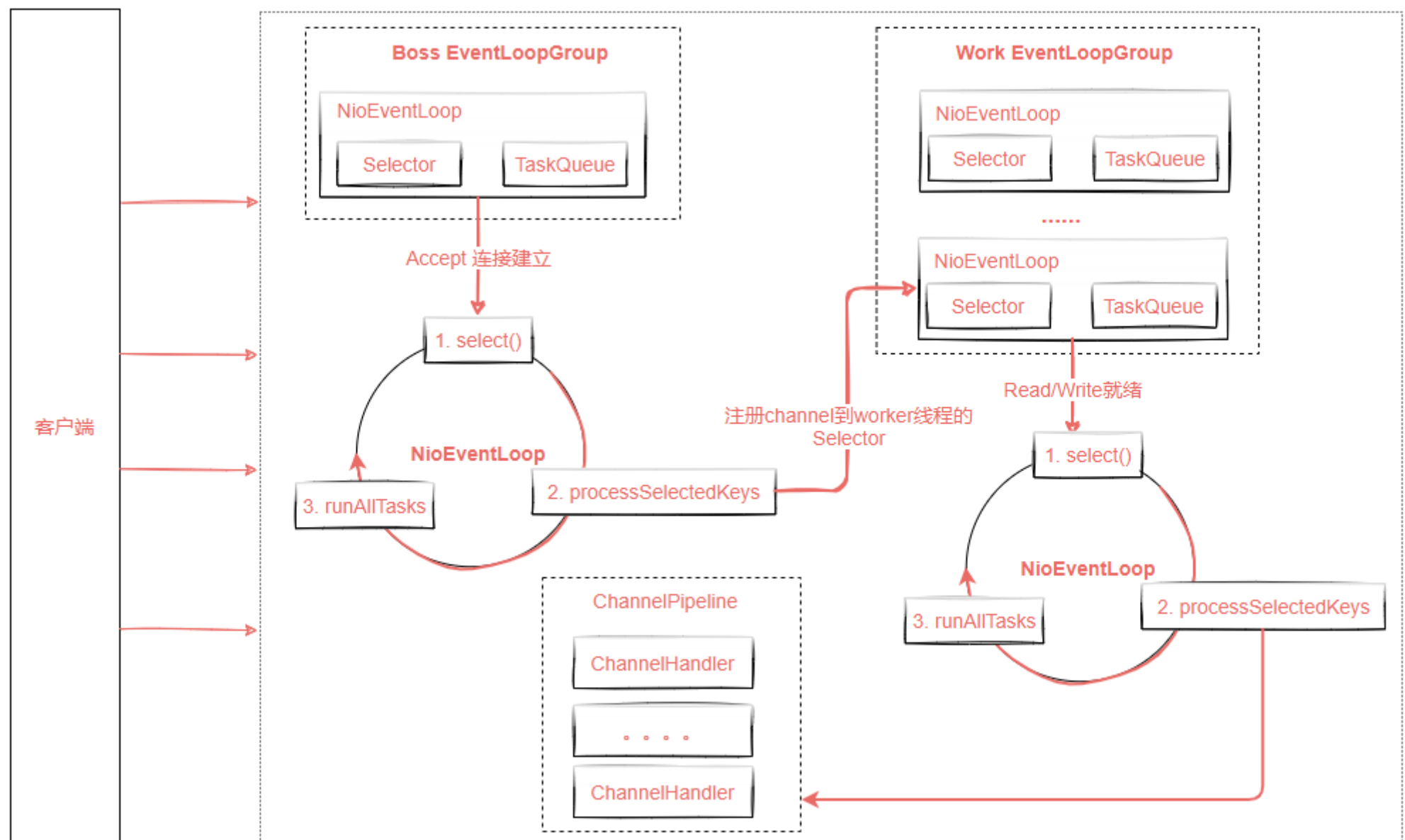


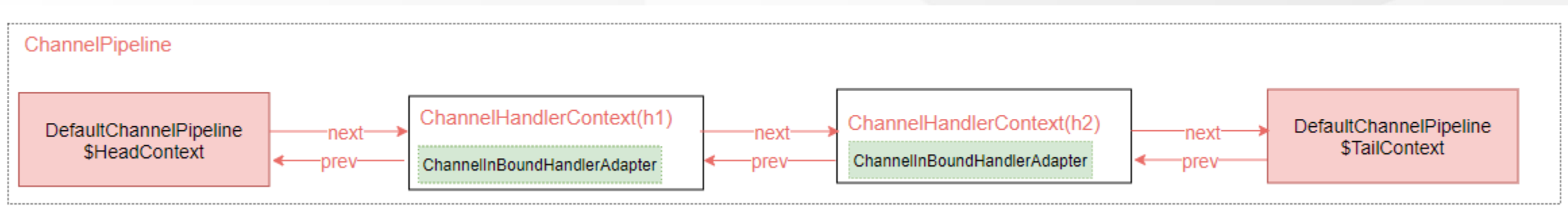


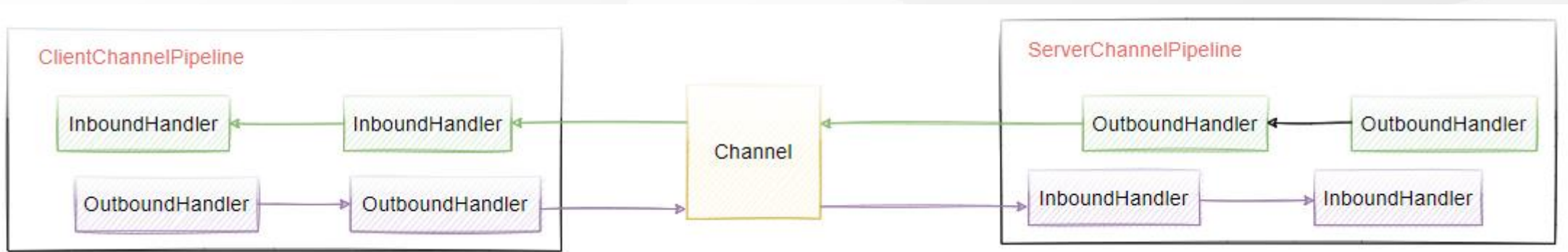


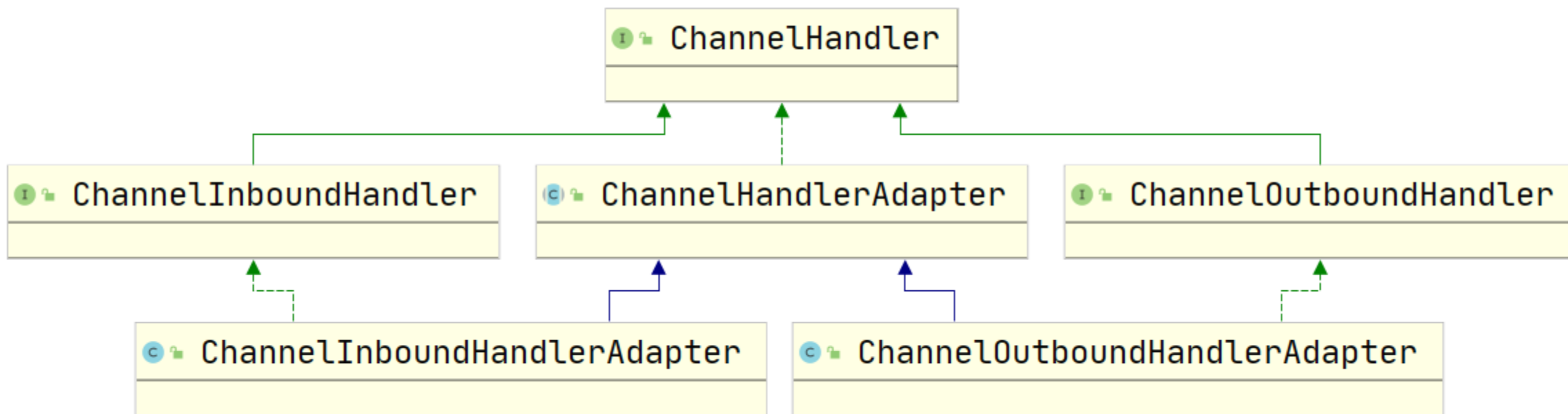












你的建议，我们用心聆听



谢谢观赏

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我们的愿景

推动每一次人才升级

我们的使命

让每个人的职业生涯不留遗憾