

Netty

- [netty tcp](#)  

netty tcp

```
<dependencies>
  <dependency>
    <groupId>io.netty</groupId>
    <artifactId>netty-all</artifactId>
    <version>4.1.68.Final</version>
  </dependency>
  <dependency>
    <groupId>org.slf4j</groupId>
    <artifactId>slf4j-api</artifactId>
    <version>1.7.30</version>
  </dependency>
  <dependency>
    <groupId>org.slf4j</groupId>
    <artifactId>slf4j-simple</artifactId>
    <version>1.7.30</version>
  </dependency>
</dependencies>
```

```
public class NettyServer {

    private final int port;

    public NettyServer(int port) {
        this.port = port;
    }

    public void start() throws InterruptedException {
        EventLoopGroup bossGroup = new NioEventLoopGroup(1);
        EventLoopGroup workerGroup = new NioEventLoopGroup();

        try {
            ServerBootstrap b = new ServerBootstrap();
            b.group(bossGroup, workerGroup)
              .channel(NioServerSocketChannel.class)
              .handler(new LoggingHandler(LogLevel.INFO))
```

```

        .childHandler(new ChannelInitializer<SocketChannel>() {
            @Override
            public void initChannel(SocketChannel ch) {
                ChannelPipeline p = ch.pipeline();
                p.addLast(new LoggingHandler(LogLevel.INFO));
                p.addLast(new NettyServerHandler());
            }
        });

        ChannelFuture f = b.bind(port).sync();
        f.channel().closeFuture().sync();
    } finally {
        bossGroup.shutdownGracefully();
        workerGroup.shutdownGracefully();
    }
}

public static void main(String[] args) throws InterruptedException {
    int port = 6601; // 端口 6601
    new NettyServer(port).start();
}
}

```

```

public class NettyServerHandler extends ChannelInboundHandlerAdapter {

    private static final Logger logger = LoggerFactory.getLogger(NettyServerHandler.class);

    @Override
    public void channelRead(ChannelHandlerContext ctx, Object msg) {
        // 接收到的消息
        logger.info("Received message: {}", msg);
        // 处理消息
    }

    @Override
    public void exceptionCaught(ChannelHandlerContext ctx, Throwable cause) {
        logger.error("Error occurred", cause);
        ctx.close();
    }
}

```