

**#全局流量整形**：全局流量整形的作用范围是进程级的，无论你创建了多少个Channel，它的作用域针对所有的Channel。用户可以通过参数设置：报文的接收速率、报文的发送速率、整形周期。  
[GlobalChannelTrafficShapingHandler]

## GatewayClient.java

```
GatewayClient
connectionManager = new NettyConnectionManager();
handler = new GatewayClientChannelHandler(connectionManager, messageDispatcher);
if (enabled) {
    trafficShapingExecutor = Executors.newSingleThreadScheduledExecutor(new NamedPoolThreadFactory(T_TRAFFIC_SHAPING));
    trafficShapingHandler = new GlobalChannelTrafficShapingHandler(
        trafficShapingExecutor,
        write_global_limit, read_global_limit,
        write_channel_limit, read_channel_limit,
        check_interval);
}

@Override
public ChannelHandler getChannelHandler() {
    return handler;
}

@Override
protected void initPipeline(ChannelPipeline pipeline) {
    super.initPipeline(pipeline);
    if (trafficShapingHandler != null) {
        pipeline.addFirst(trafficShapingHandler);
    }
}

@Override
protected void doStop(Listener listener) throws Throwable {
    if (trafficShapingHandler != null) {
        trafficShapingHandler.release();
        trafficShapingExecutor.shutdown();
    }
    super.doStop(listener);
}
```