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**NASDAQ OMX<sup>®</sup>**

**ADVANTAGES OF USING ITCH MULTICAST IN THE  
CO-LOCATION AREA**

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# WHY YOU SHOULD USE ITCH MULTICAST IN THE CO-LOCATION AREA?



1. Why ITCH MC is fairer than ITCH TCP?

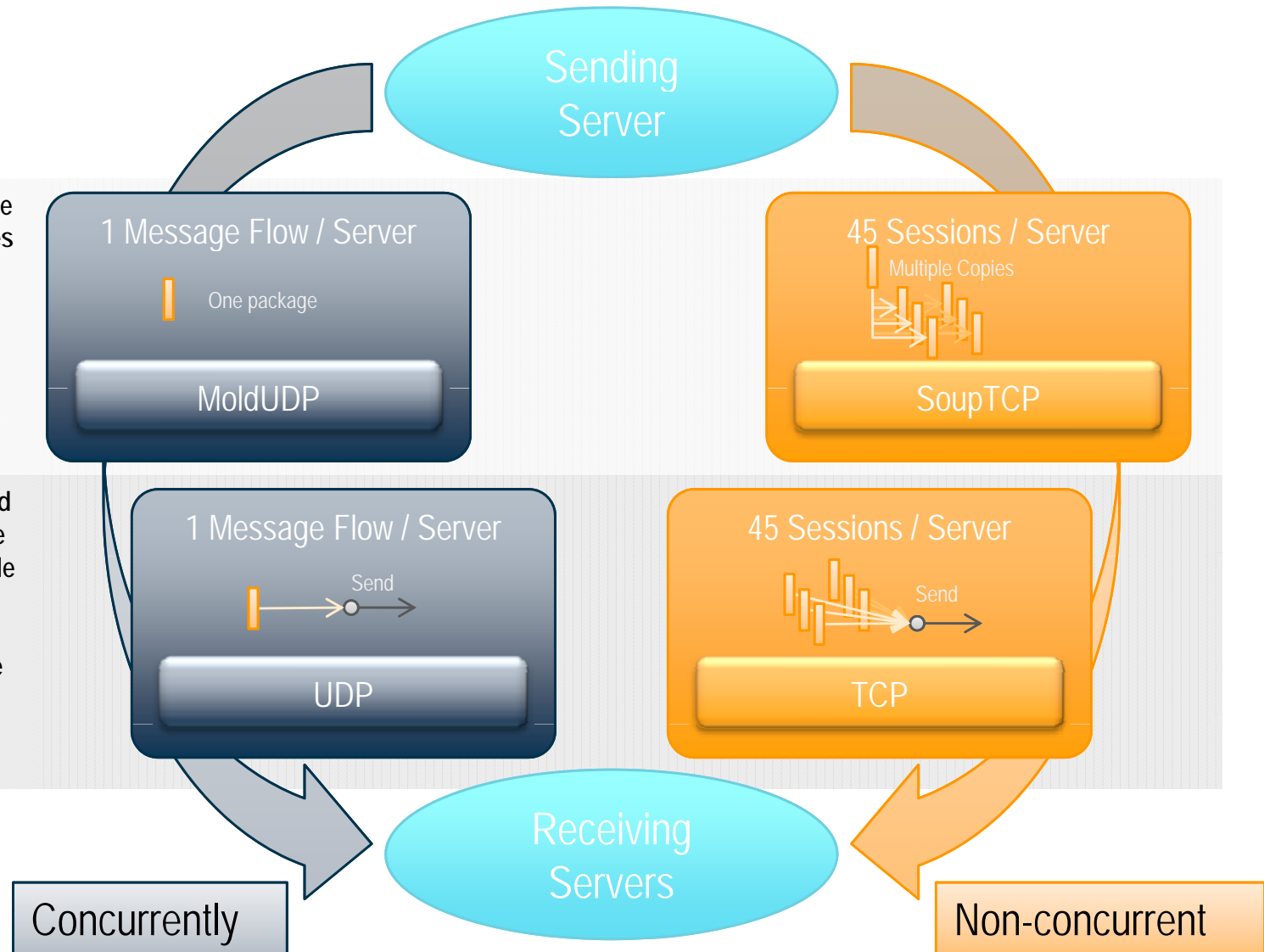
2. Why ITCH MC is faster than ITCH TCP?

# WHY ITCH MC IS FAIRER THAN ITCH TCP?

## One Stream = Fairness

While the ITCH MC server handles one data flow the ITCH TCP server handles several sessions (typically forty-five sessions on each server).

The ITCH MC server only have to send one package to all receivers when the ITCH TCP server have to send multiple copies of each package, one copy to every receiver. This means that all ITCH MC users receive their message concurrent while the ITCH TCP users receive their messages non-concurrent.



# WHY ITCH MC IS FASTER THAN ITCH TCP?

Less Overhead = Lower Latency

MoldUDP have a larger header than TCP but while the ITCH MC server handles one data flow the ITCH TCP Server handles up to forty-five sessions on each server.

UDP have a smaller header than TCP.

