Market Mirroring Strategy

Description

Possible Events

- OrderPlacement
- OrderCancelled
- OrderDone
- OrderFill
- QuoteBook

Source Market

- OrderPlacement
- OrderCancelled
- OrderDone
- OrderFill
- QuoteBook

- OrderPlacement
- OrderCancelled
- OrderDone
- OrderFill
- QuoteBook

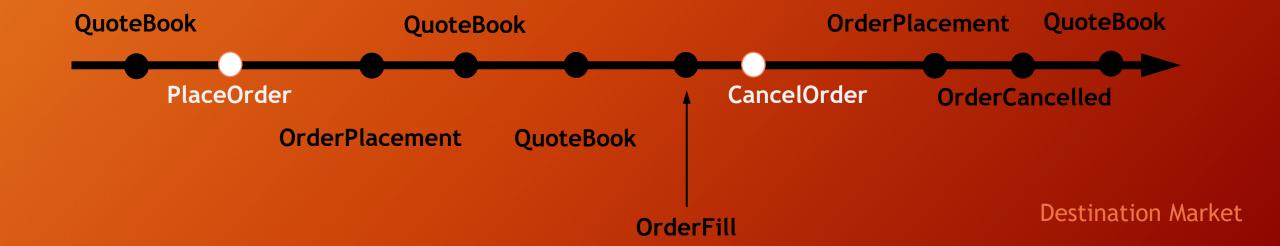
Source Market

- OrderPlacement
- OrderCancelled
- OrderDone
- OrderFill
- QuoteBook
- PlaceOrder
- CancelOrder

- OrderPlacement
- OrderCancelled
- OrderDone
- OrderFill
- QuoteBook
- PlaceOrder
- CancelOrder

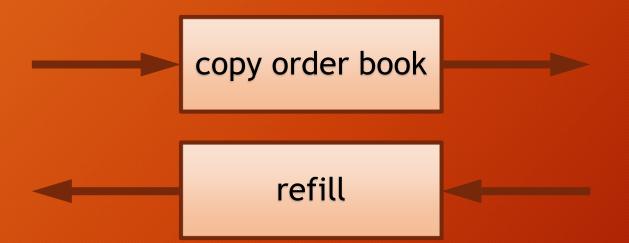
Event Timeline

Source Market



Mirroring Strategy

Source Market



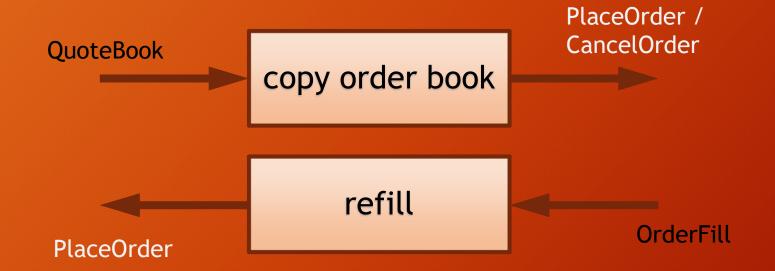


Source Market

Source Market









Source Market

Source Market

QuoteBook

Source Market

QuoteBook



Source Market

QuoteBook QuoteBook QuoteBook

Source Market



What we want

Source Market



PlaceOrder

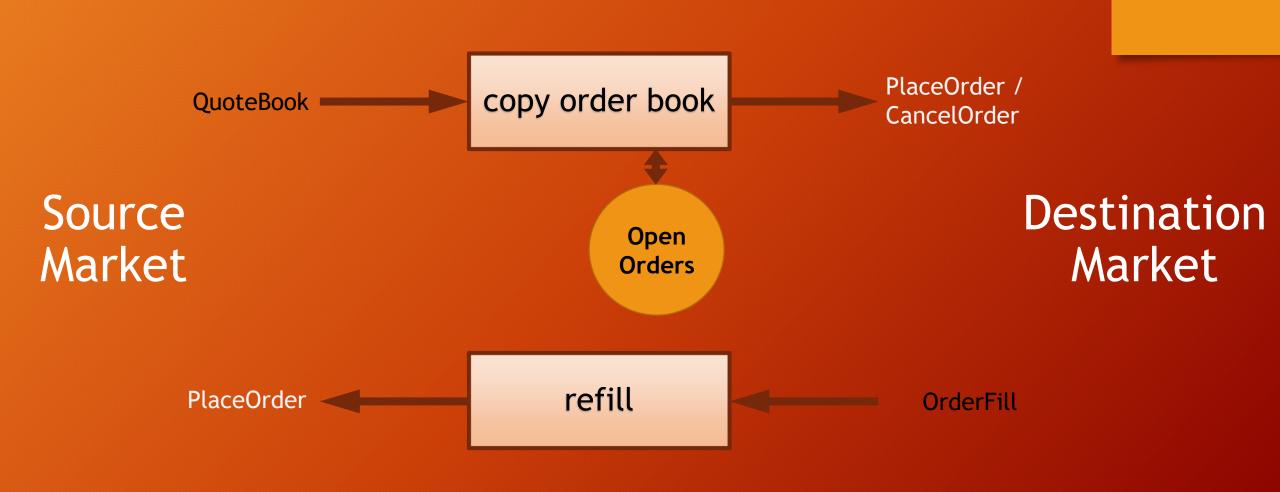


Source Market

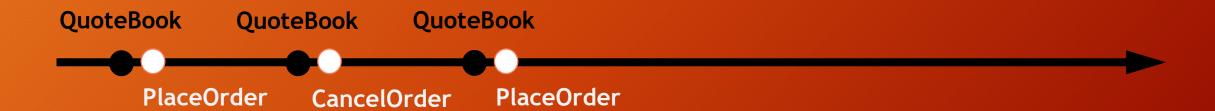


Orders

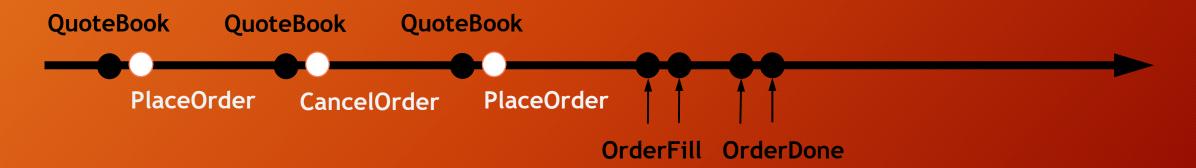
Market



Source Market

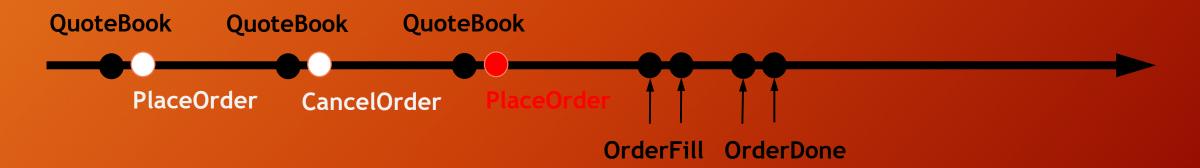


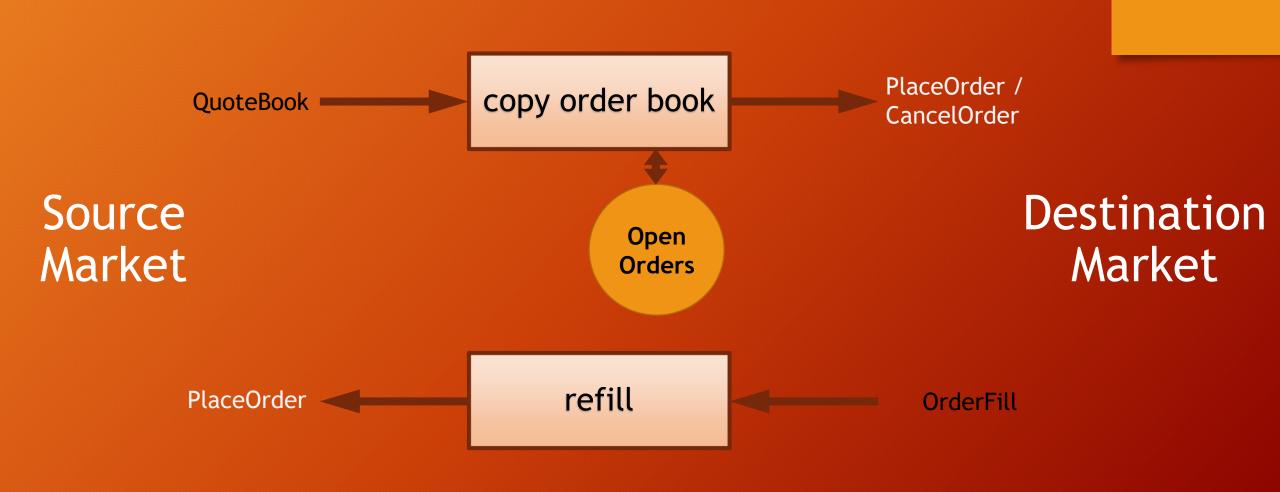
Source Market

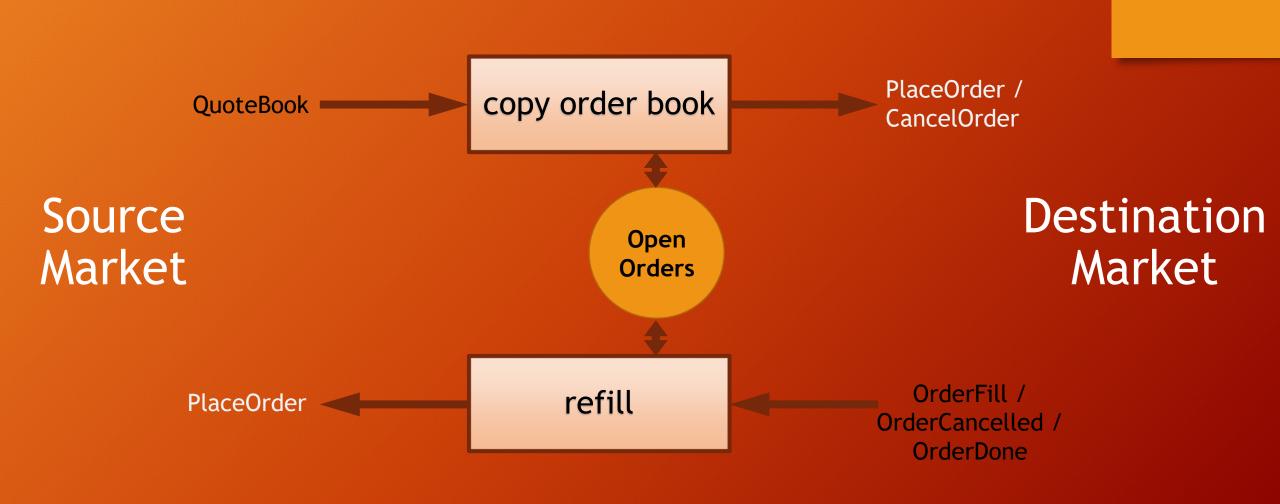


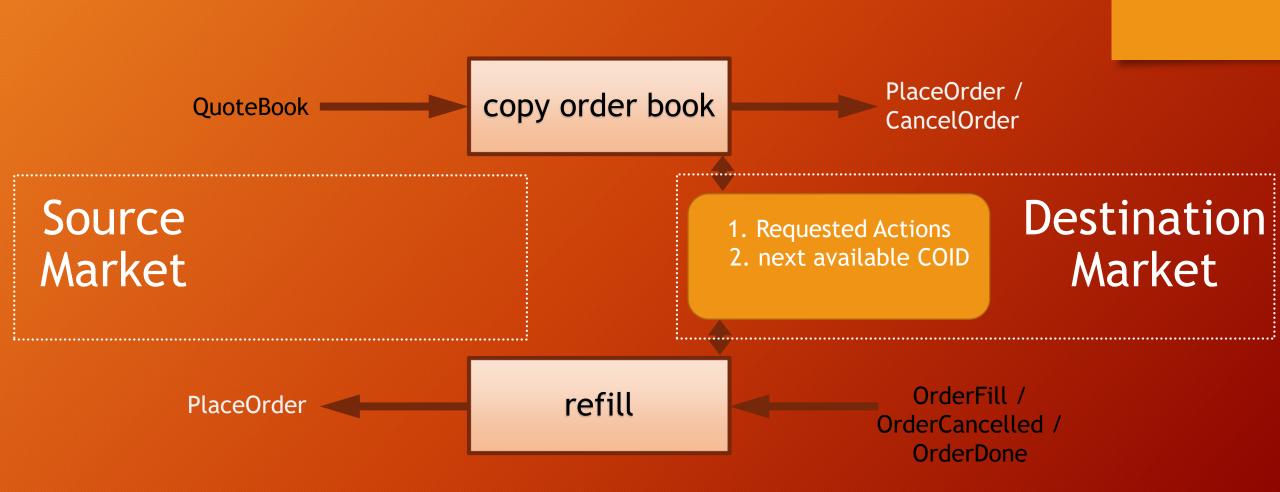
We must wait

Source Market



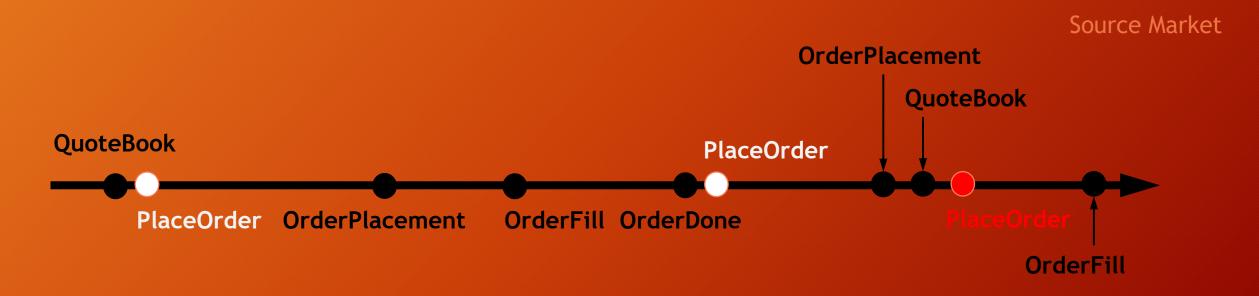


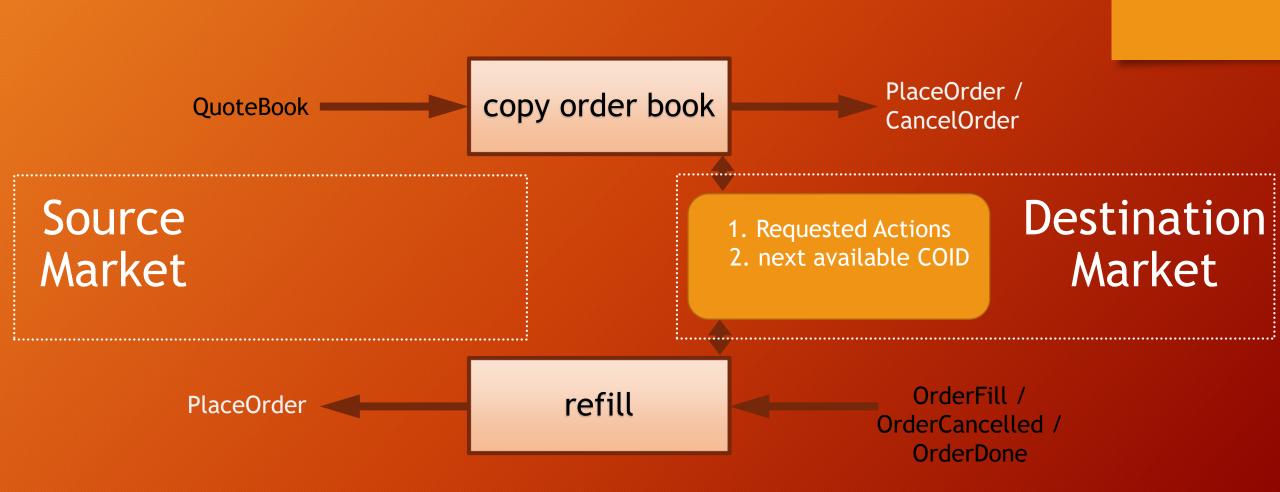


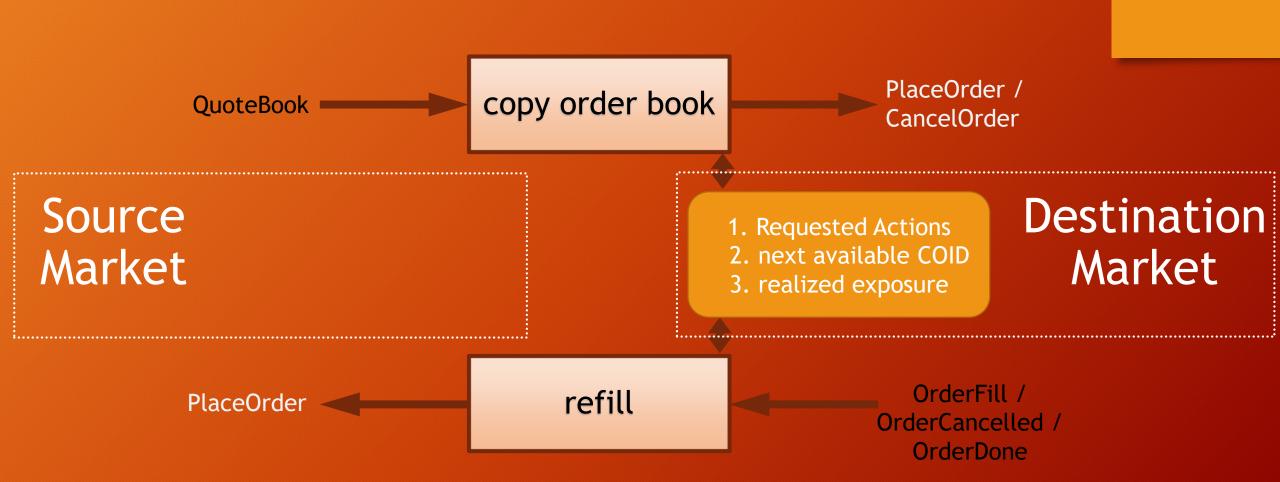


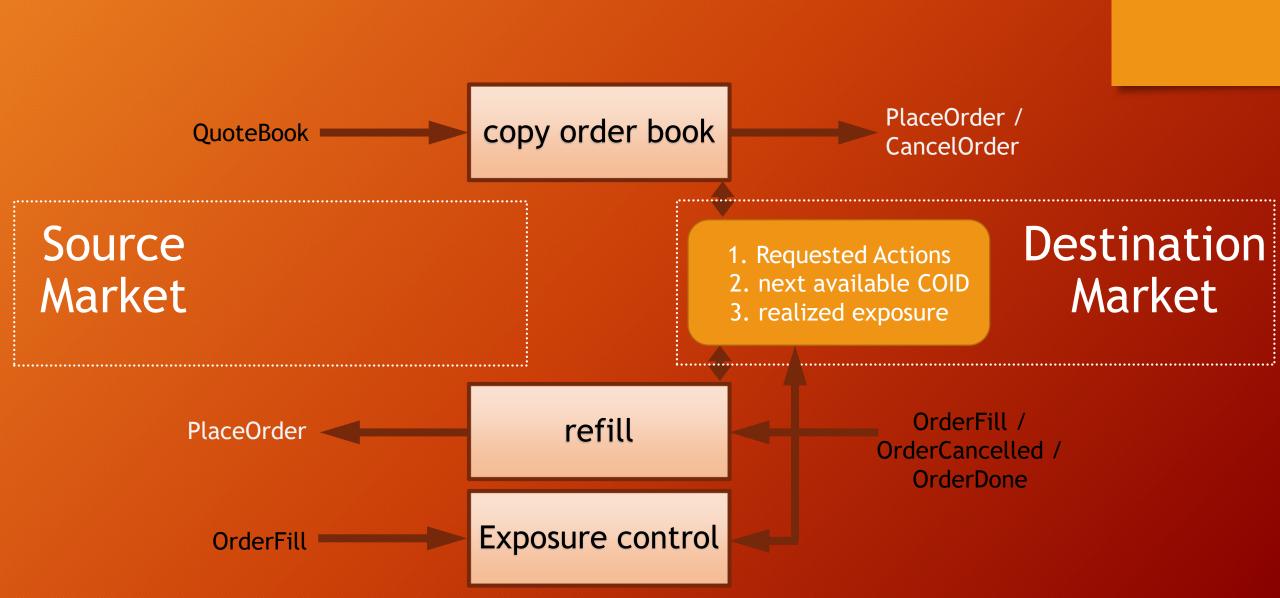


We must wait



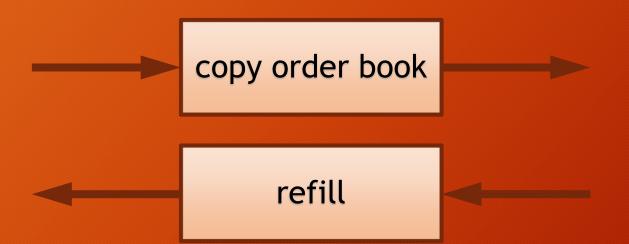






Specifying parameters

Source Market



Specifying parameters

Source Market copy order book

Given:

QuoteBook

Set Target:

• (side, price, volume)

Specifying parameters

Source Market

copy order book

Given:

QuoteBook

Set Target:

• (side, price, volume)

Will be limited by maximum exposure

Still to be improved

- Cancelling all orders to decrease open volume
- Filtering order book
- Failure treatment

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