Legend

OC Origin Client

SG = **Subscription Geofence**

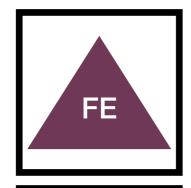
EG = **Event Geofence**

LB Local Broker

RB Remote Broker

TC Target Client

Strategien



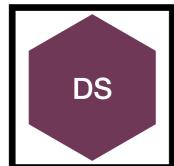
Flooding Events



Flooding Subscriptions



DisGB Events



DisGB Subscriptions



Strategien



Distributed Hash Table



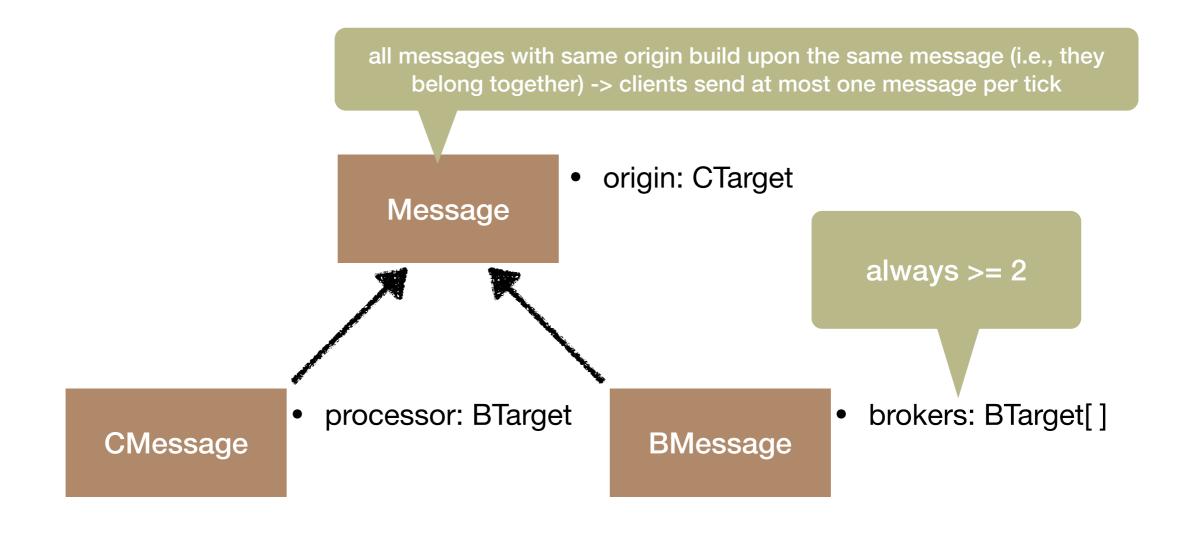
Grid Quorum-based Pub/Sub



Broadcast Groups



Abstract Messages



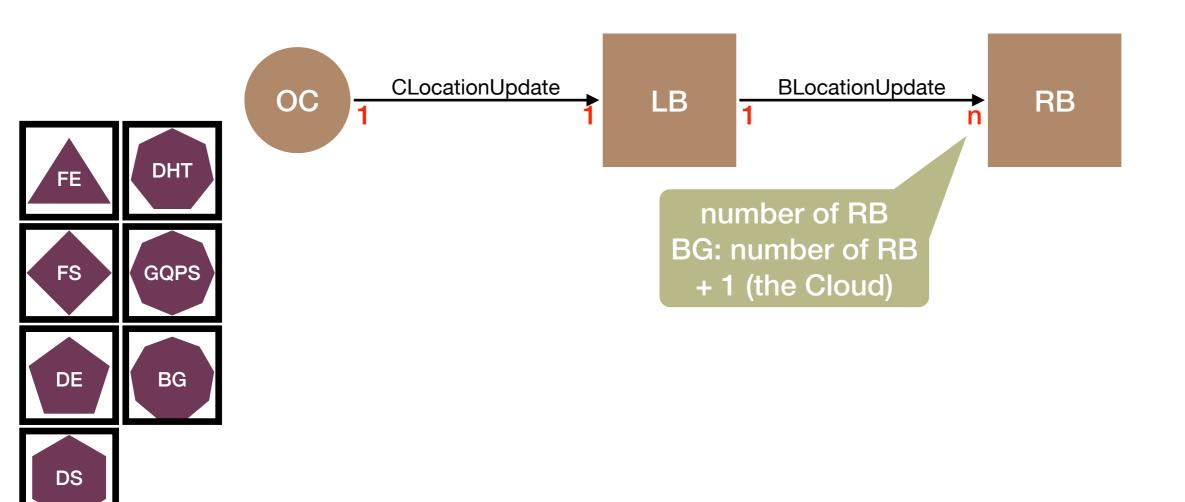
CMessages

Message	Fields	Notes
CLocationUpdate	 newLocation: Location 	
CSubscriptionUpdate	subscription: Subscription	
CSubscriptionRemoval	• topic: Topic	
CEventMatching	event: Event	
CEventDelivery	subscriber: CTarget	event not needed -> can be identified by message origin

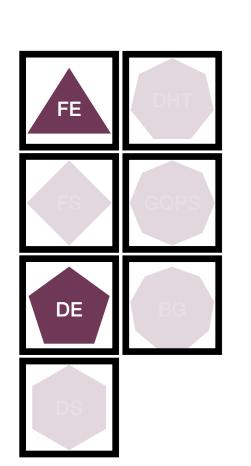
BMessages

Message	Fields	Notes
BLocationUpdate	 newLocation: Location 	
BSubscriptionUpdate	 subscription: Subscription 	
BSubscriptionRemoval	• topic: Topic	
BEventMatching	event: Event	
BEventDelivery	subscribers: ClientId[]	event not needed -> can be identified by message origin

Location Update

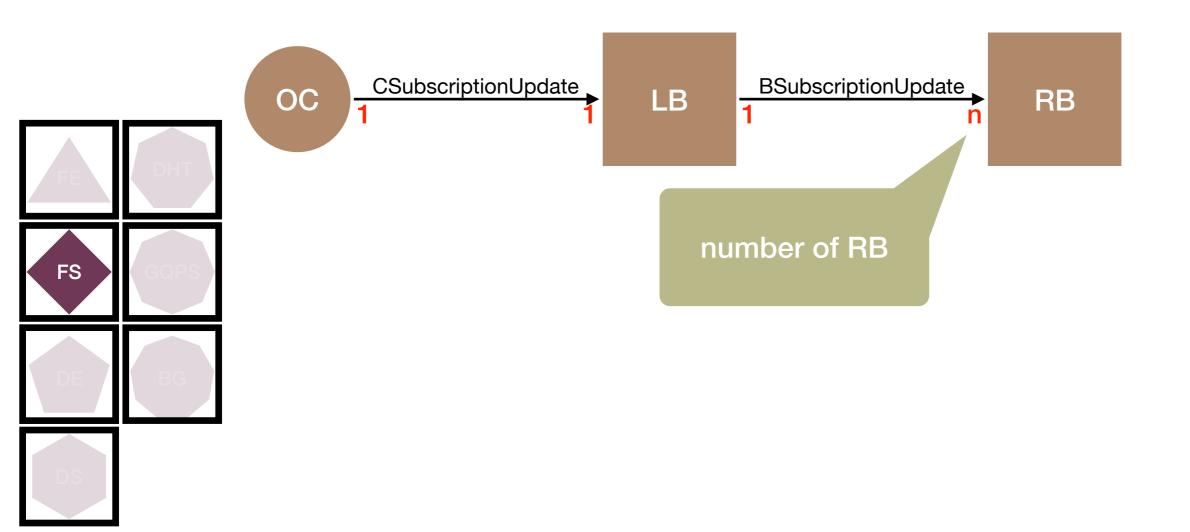


Subscription Update (1)

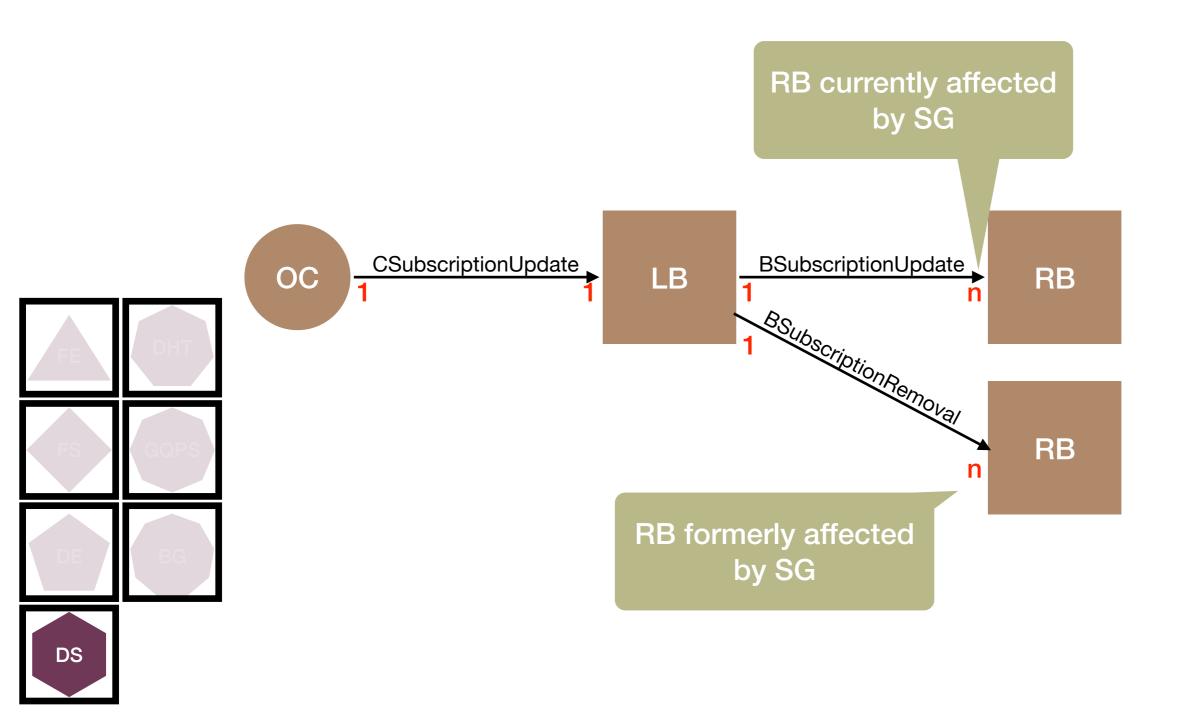




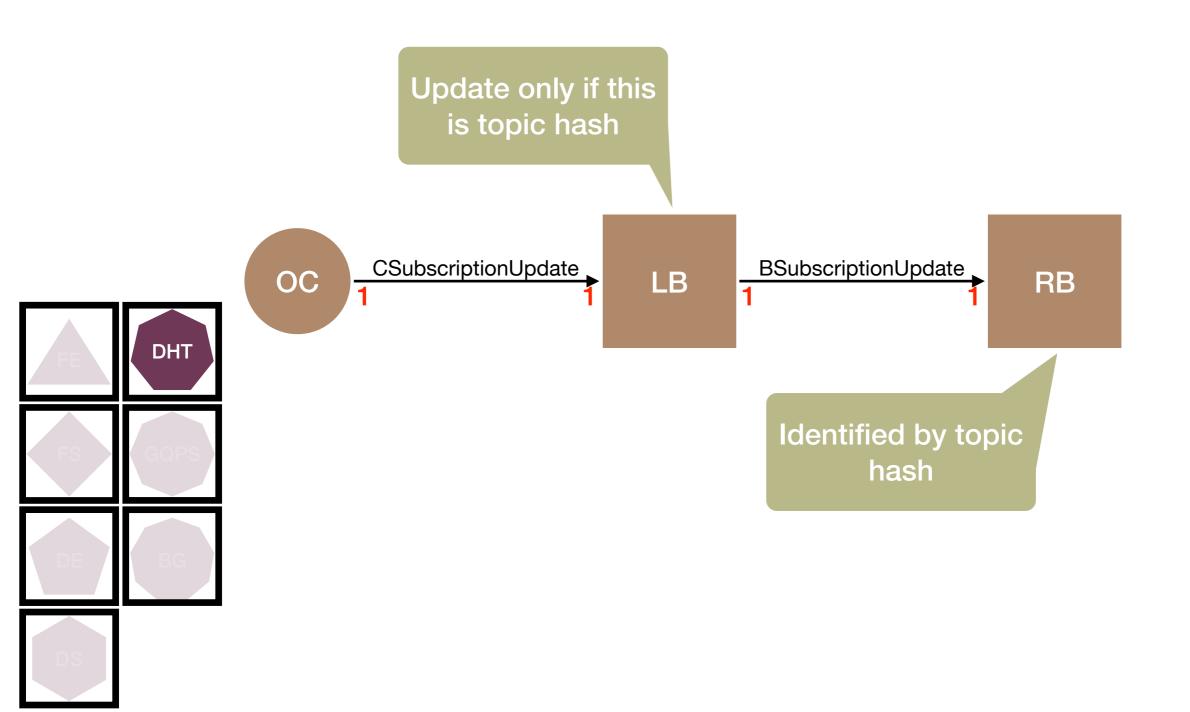
Subscription Update (2)



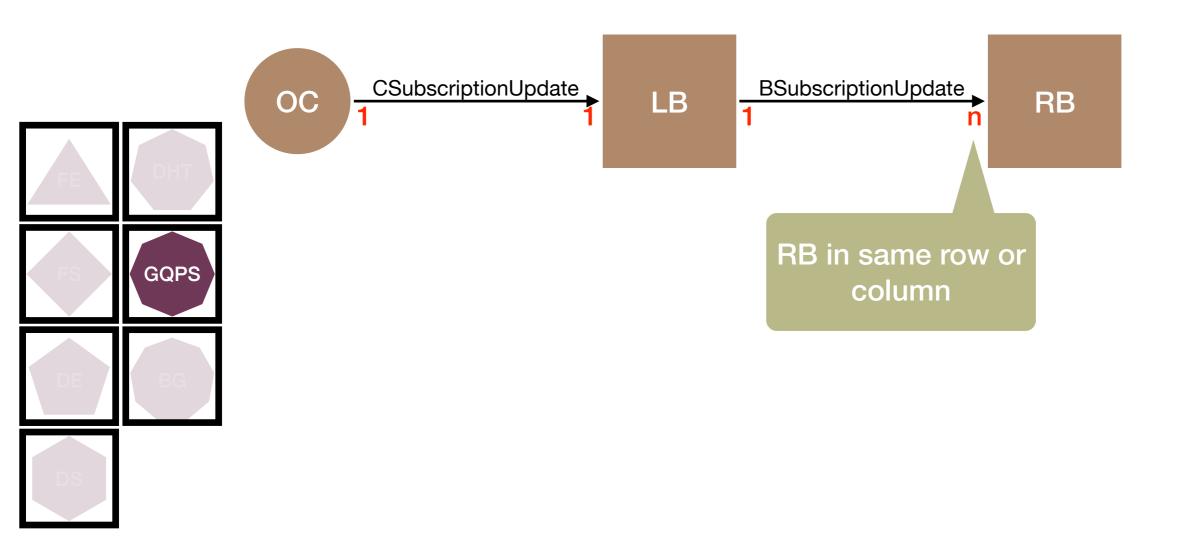
Subscription Update (3)



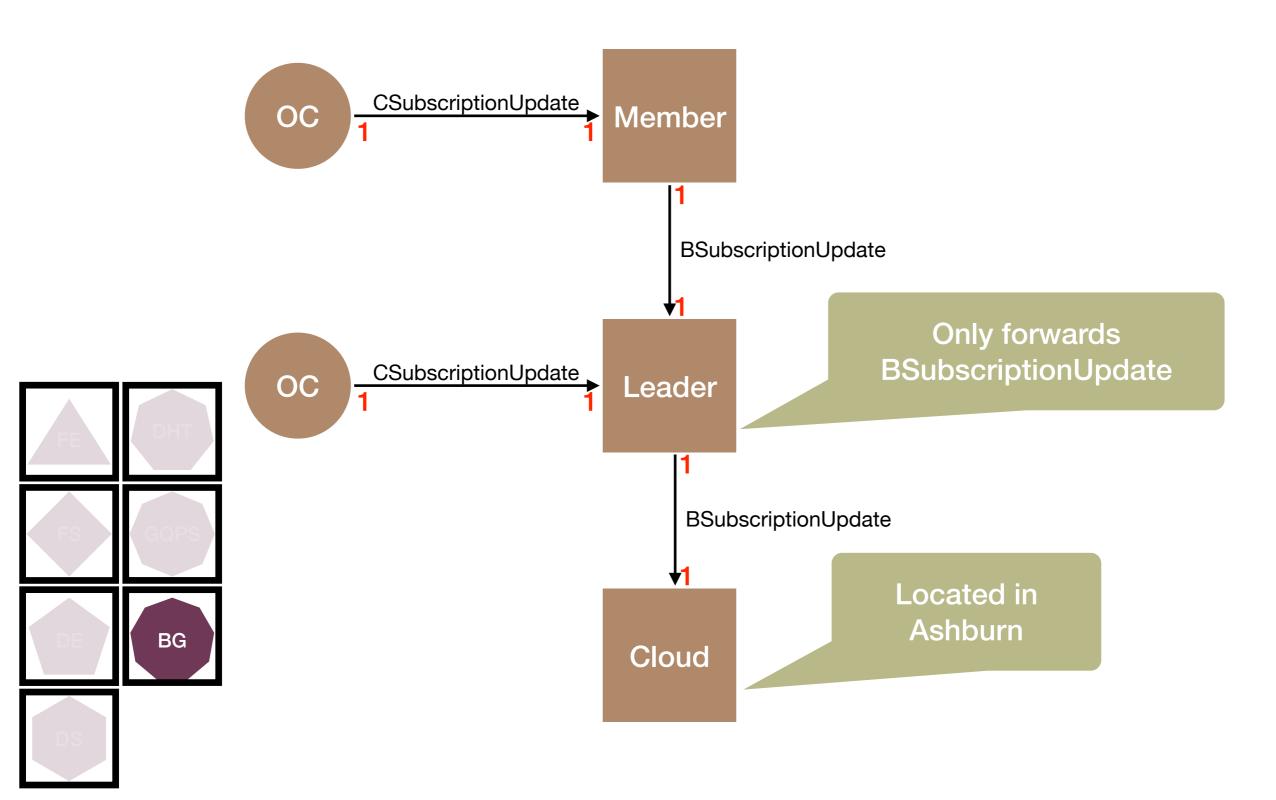
Subscription Update (4)



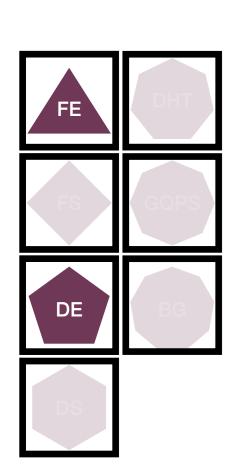
Subscription Update (5)



Subscription Update (6)

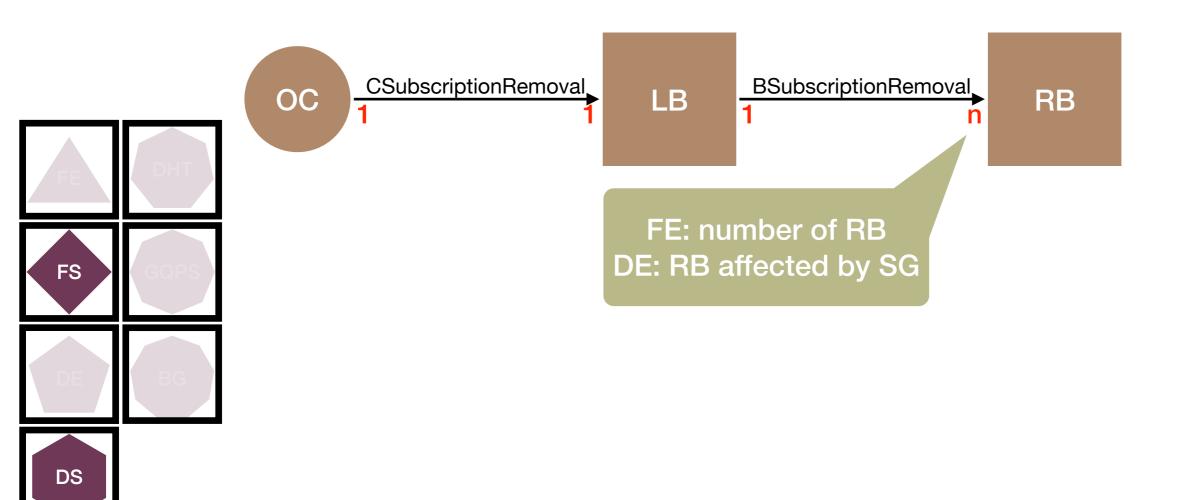


Subscription Removal (1)

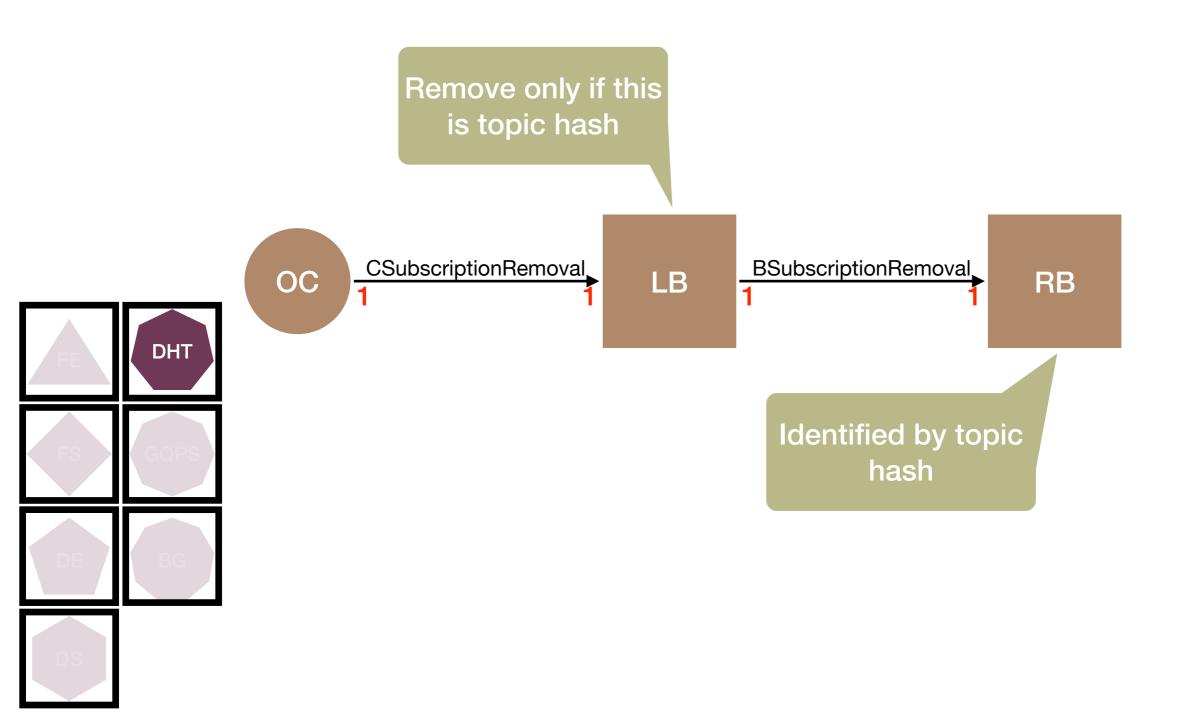




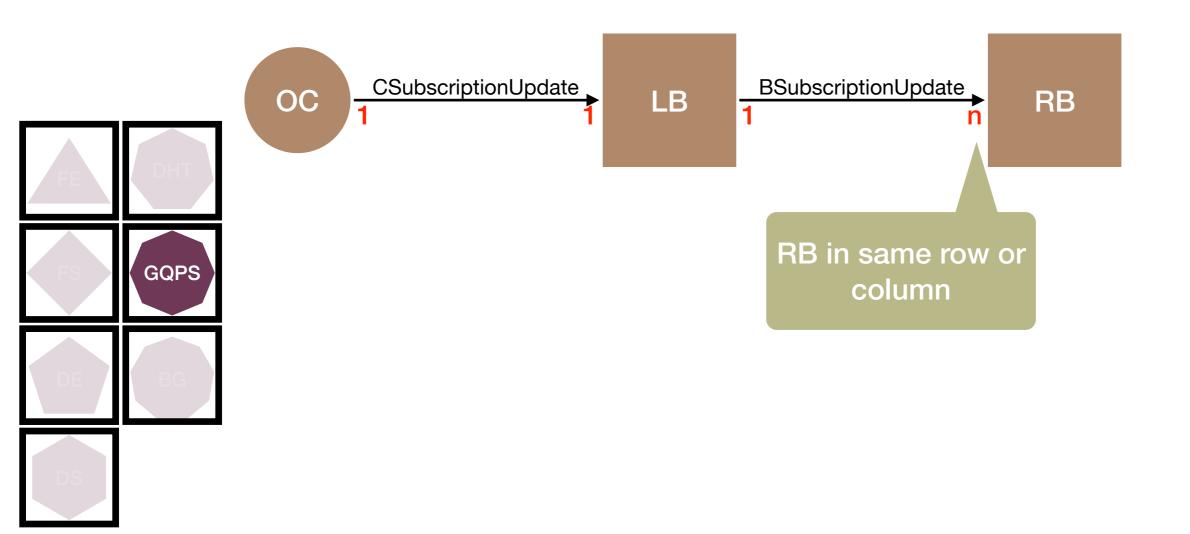
Subscription Removal (2)



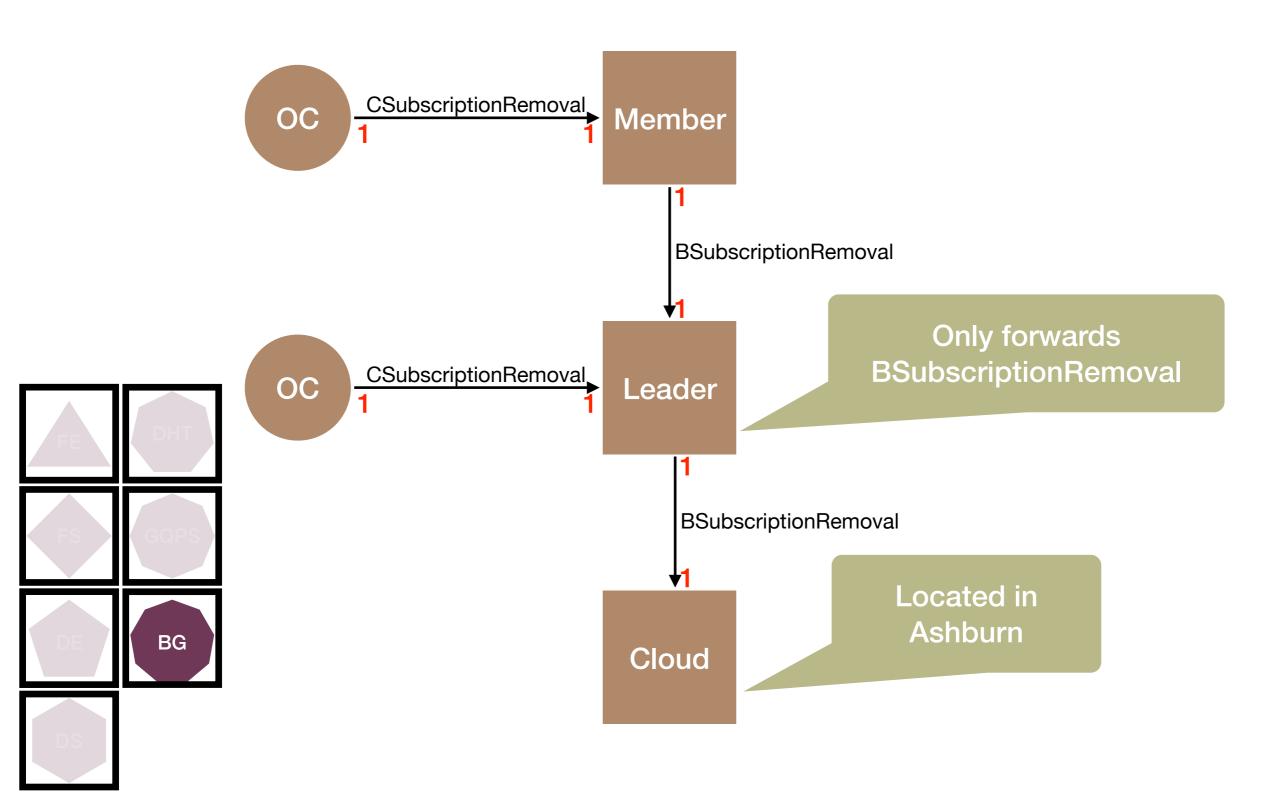
Subscription Removal (3)



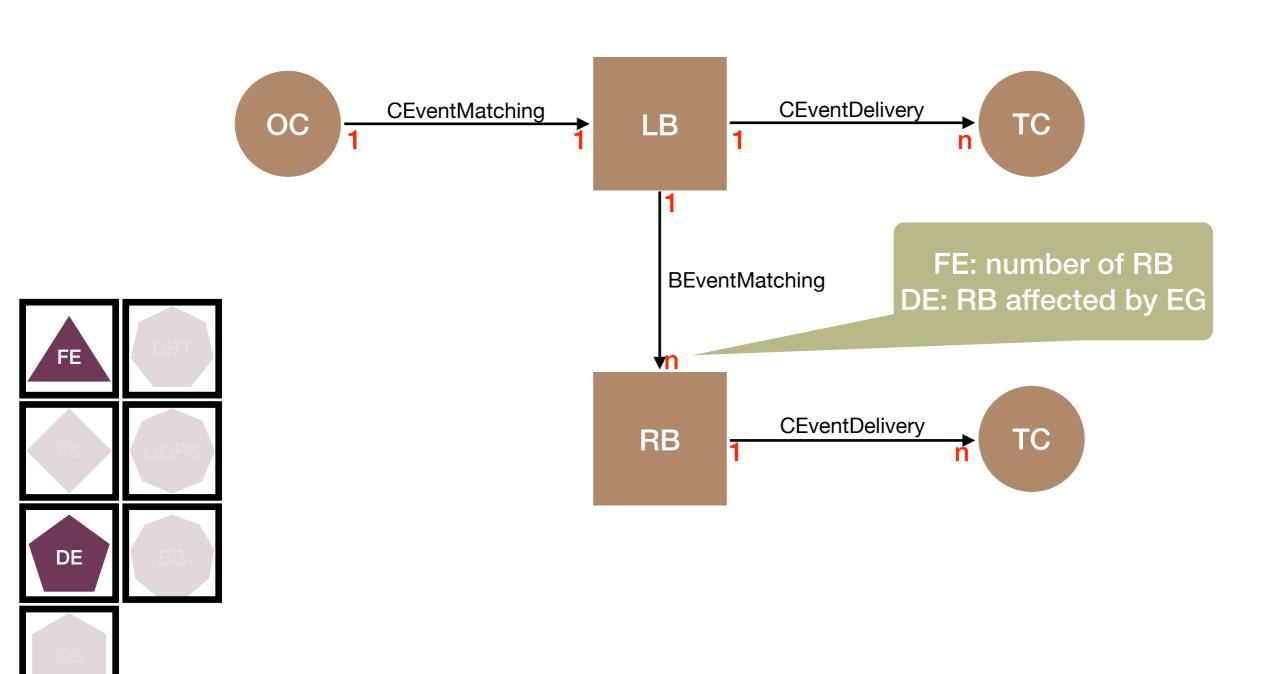
Subscription Removal (4)



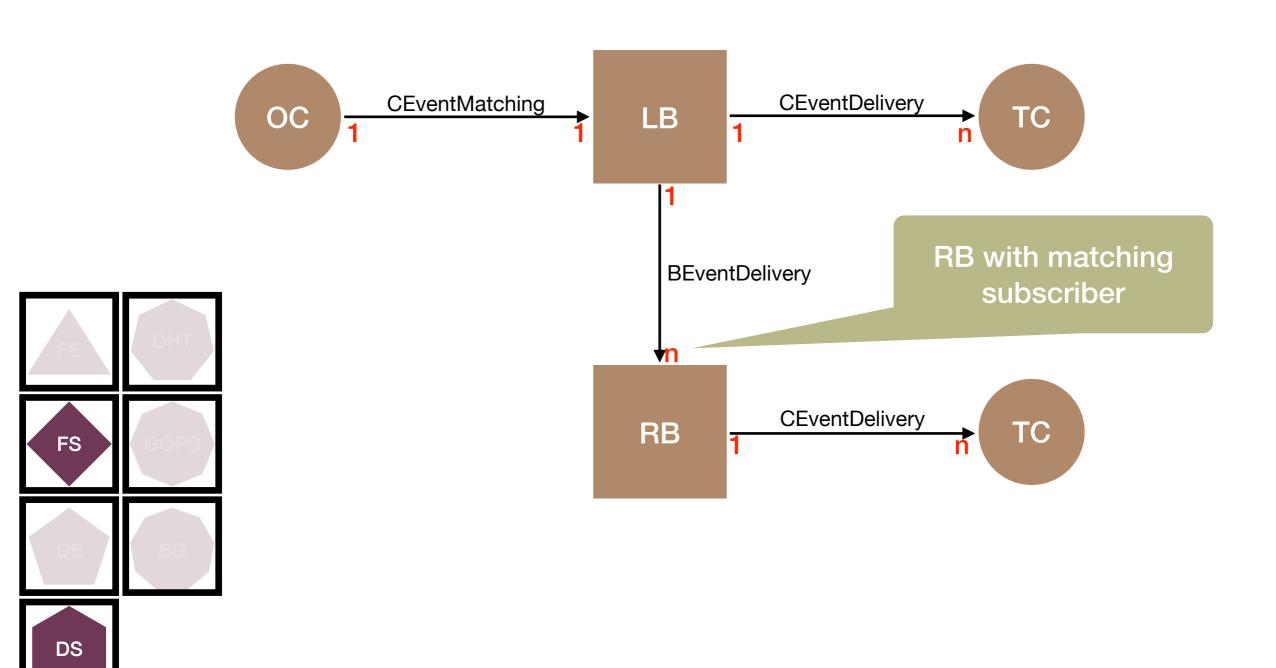
Subscription Removal (5)



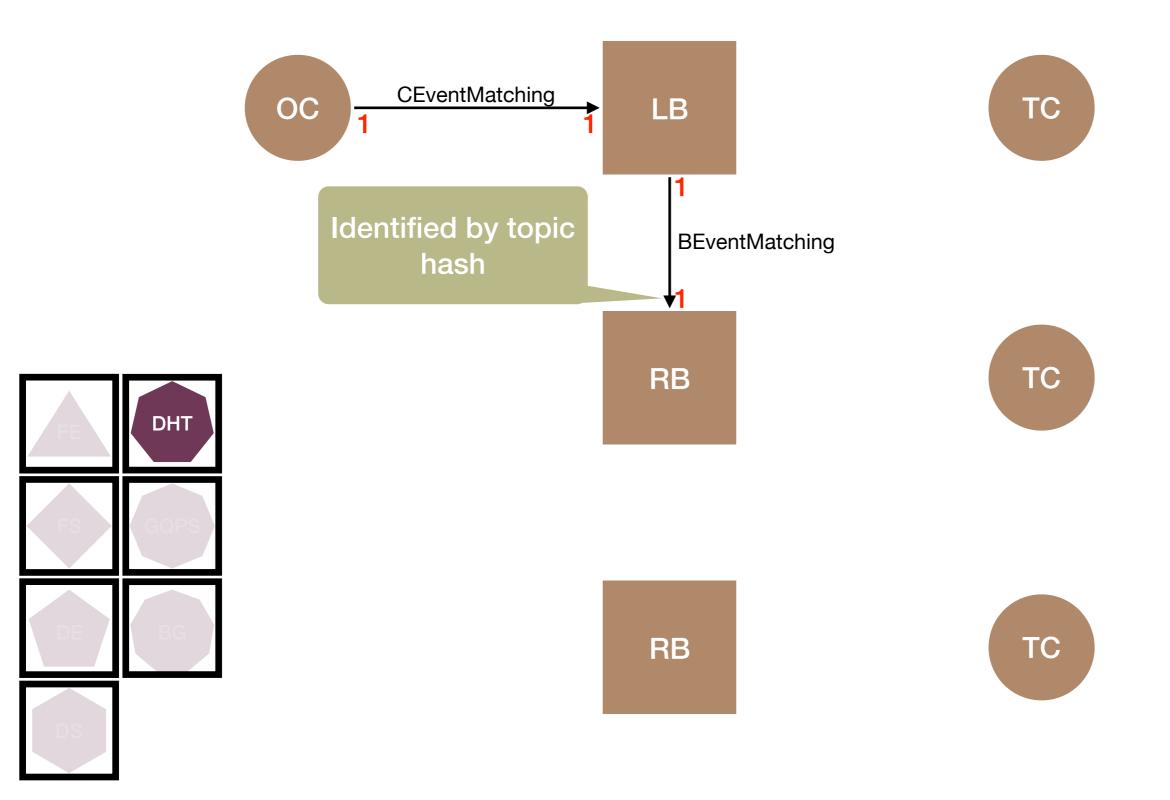
Event (1)



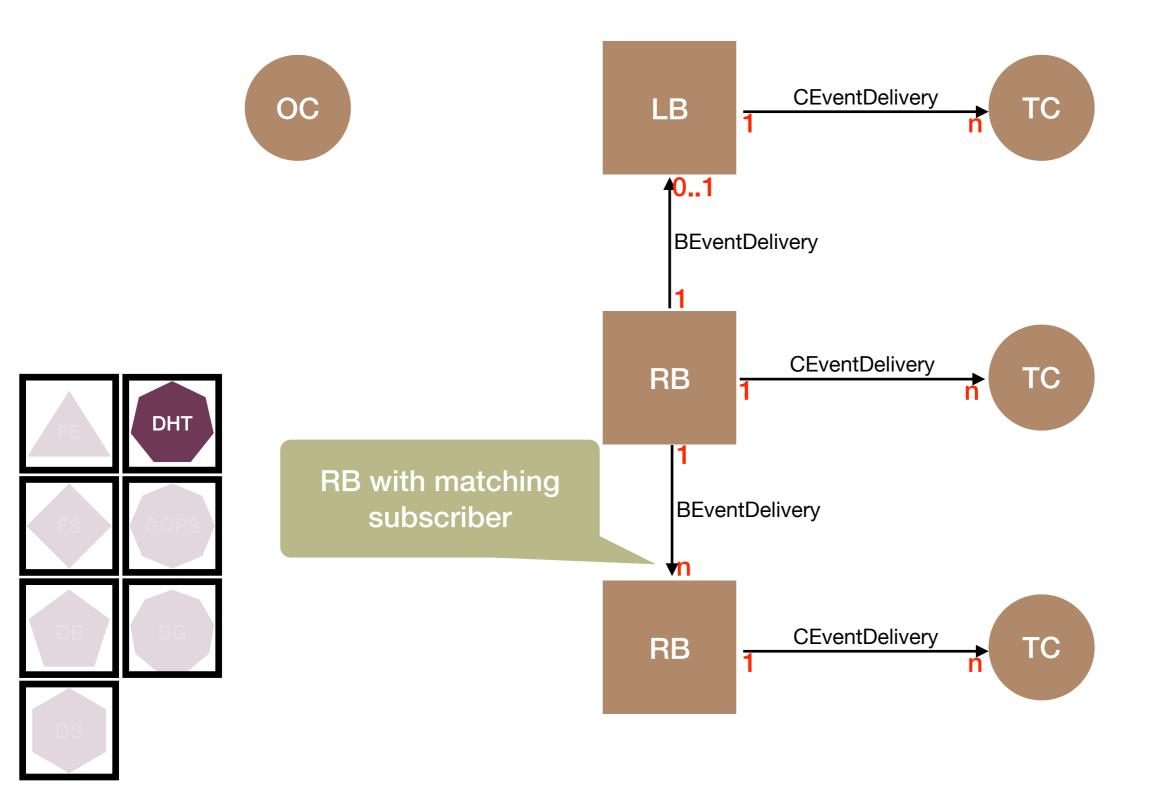
Event (2)



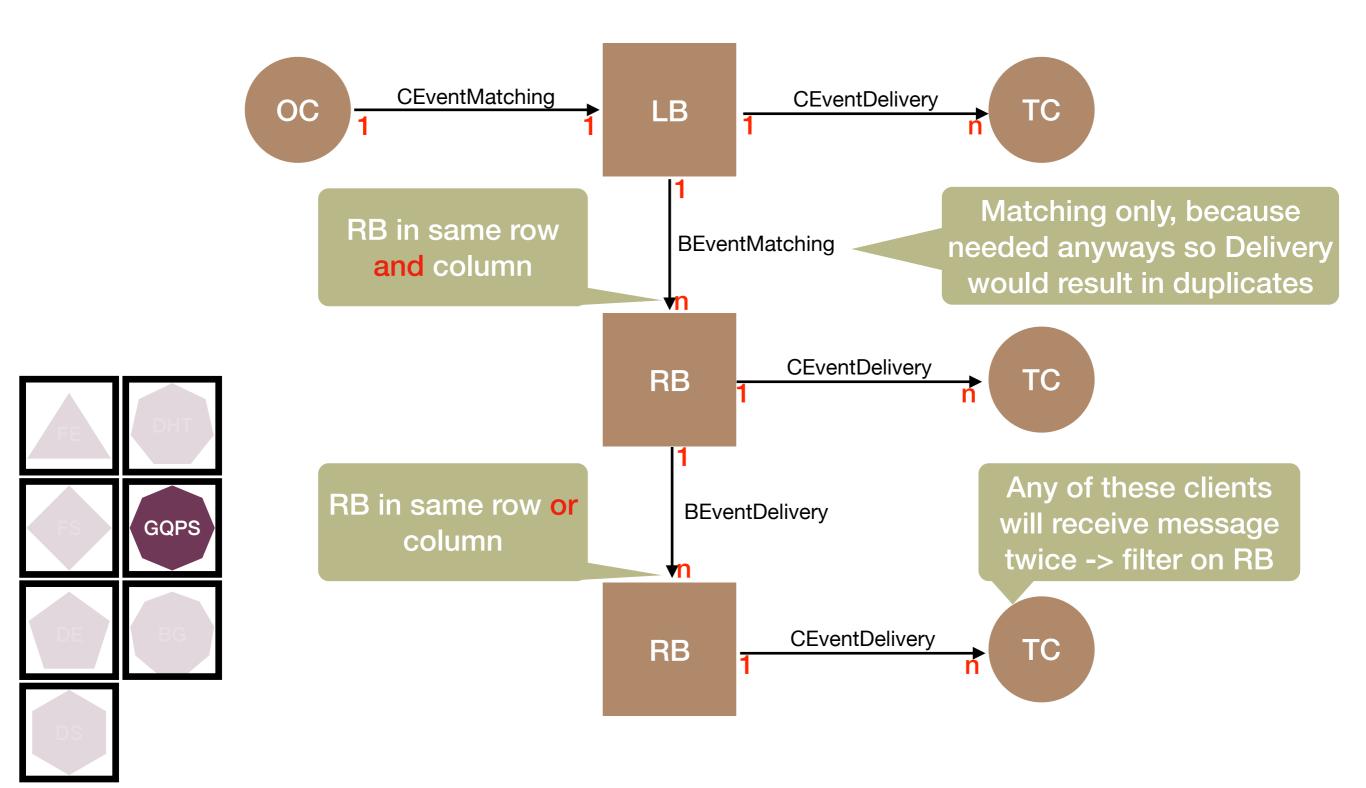
Event (3a)



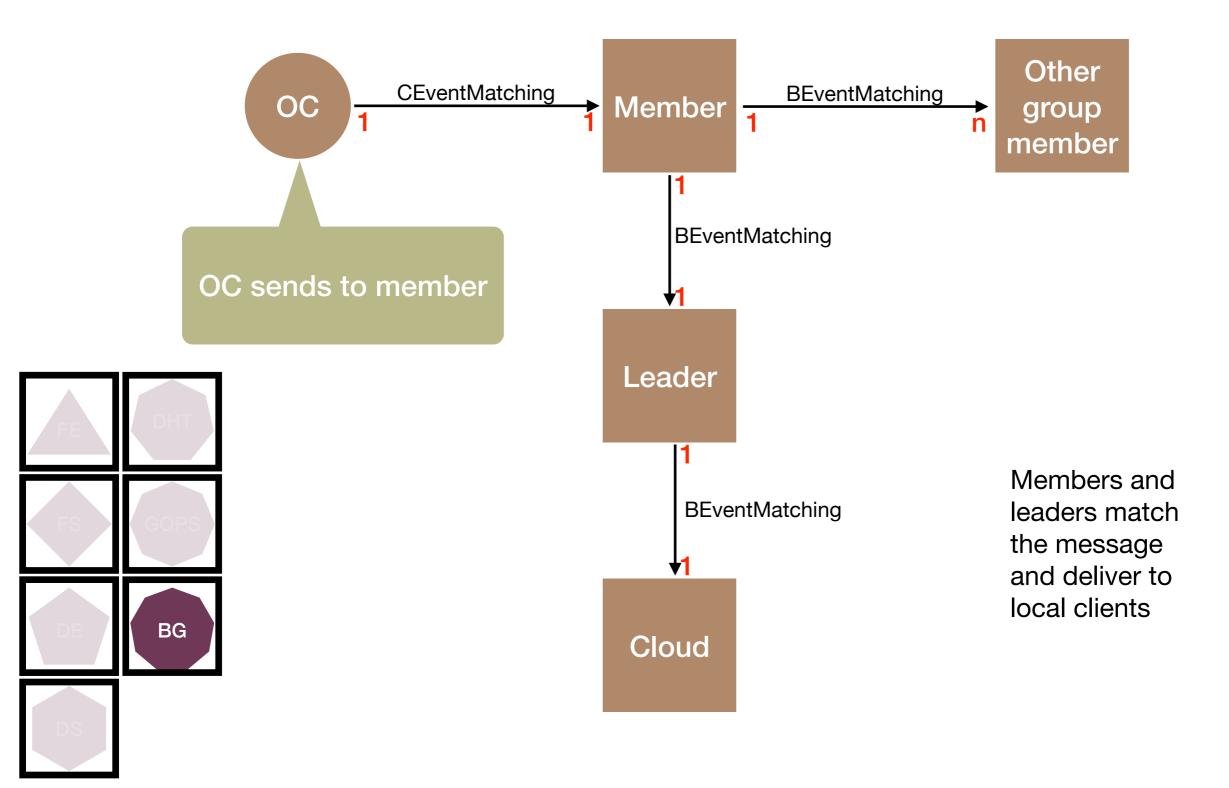
Event (3b)



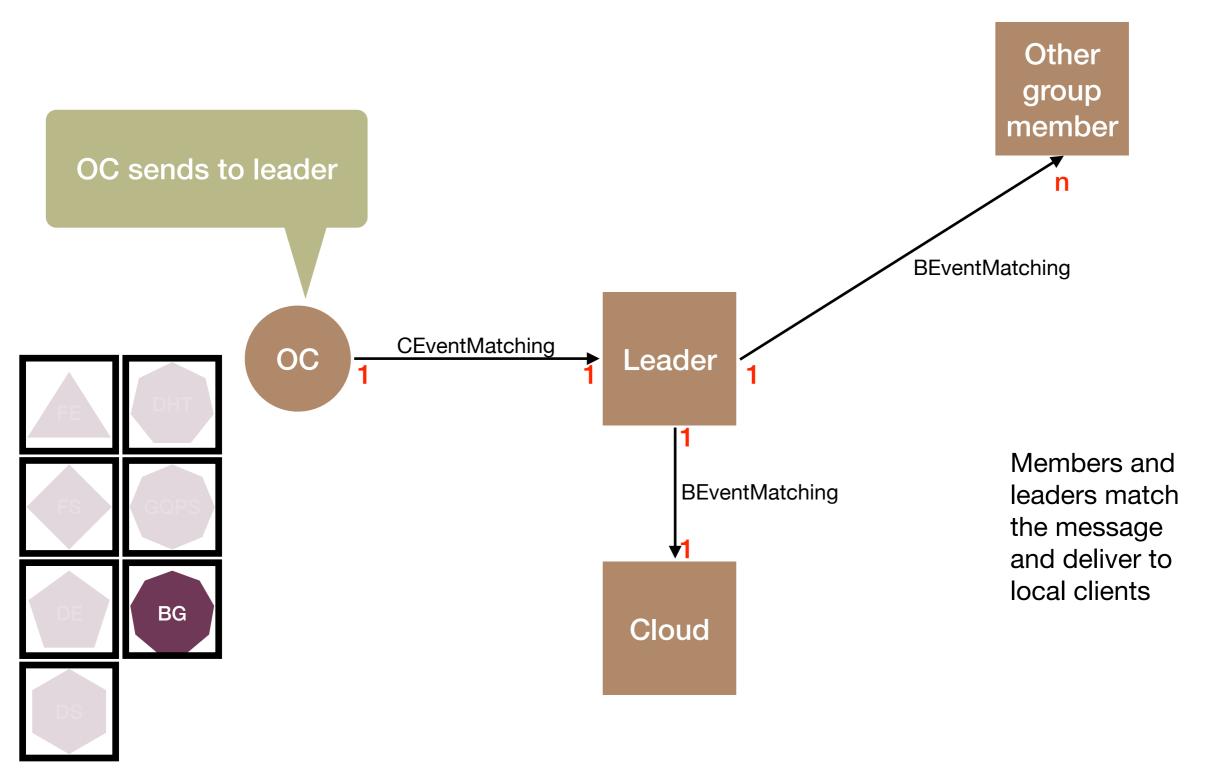
Event (4)



Event (5a1)



Event (5a2)



Event (5b)

