select

Route **Table**

MqClientPool **Table**

MqClient **detect connectivity**

MqClientPool

**Broker**

**Producer**

**Consumer**

Tracker (in MqServer)

pub (TrackerInfo)

MqServer1

MqServer2

MqServer3

ServerSelector

User Defined

MqServer

MqClient

produce

consume

queryTopic/ConsumeGroup

removeTopic/ConsumeGroup

declareTopic/ConsumeGroup

| | | | | | | | | | | | |

**ConsumeGroup**1

**ConsumeGroup**2

**Topic** Writer

W

R

R

**Unicast** : readers share one same ConsumeGroup

**Broadcast**: readers use private own ConsumeGroups

**Multicast**: mix of the unicast and broadcast

Messaging Model = **Topic** + **ConsumeGroup**

Reader1

Reader

Reader