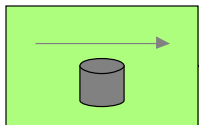
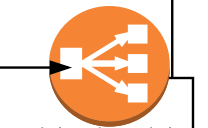


Publish / Subscribe with Selectors & High Volume (20k - 40k 5K messages per second) .
 Need to decouple Publish Brokers and Subscribe brokers. Both need to be elastic

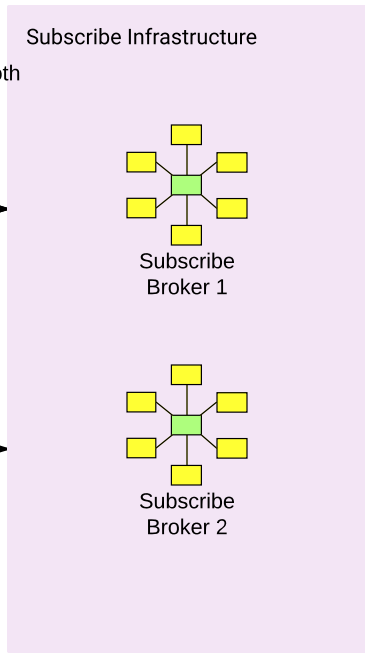
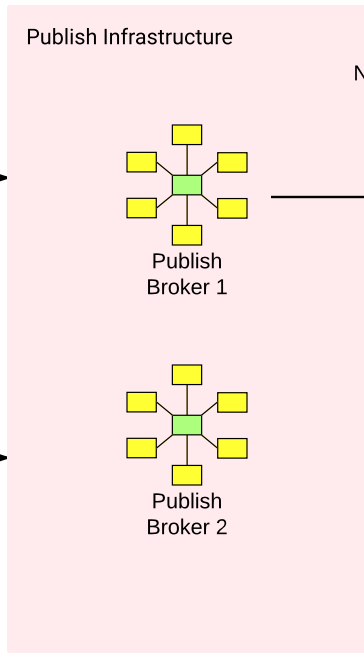
1) Currently CISCO Router is present but application is using a direct IP instead of a virtual IP. **Prevents elasticity of publish brokers**



Feed from Mainframe or Retail locations



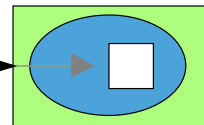
F5/BigIP/SDN/Cisco



Network Connectors to both Subscribe Brokers

RFE : Need static bridge that is selector aware

Subscribe brokers are standalone brokers.
 Consumers are not balanced because of absence of NoB.
Enable NoB only for Advisory messages
Subscriber Brokers have more disk and can slow down as they serve specific consumers
Cannot expire messages based on time because of slow consumers



1000s of camel.jms consumers, different apps, different selectors

Currently DST - Publishes with CLIENT_ACKNOWLEDGE.
Application change requested to use AUTO_ACKNOWLEDGE.
 Messages are persistent and transacted already

Publish infrastructure are standalone brokers.
 Currently producers are not balanced because of lack of Network of Brokers with updateClusterClients/rebalanceClusterClients. **Enable Network of Brokers with minimum Advisory messages traffic.**
Publishers publish to a virtual topic is highly selected. Most consumers consume a fraction of the total publish. Number of consumers/apps will keep increasing over time
Need to verify if camel load balance is used for publish
Selectors are applied here as there is no staticBridge & conduitSubscription is true.
Publish Brokers cannot slow down and need to be mostly in memory as they will impact **ALL APPLICATIONS******