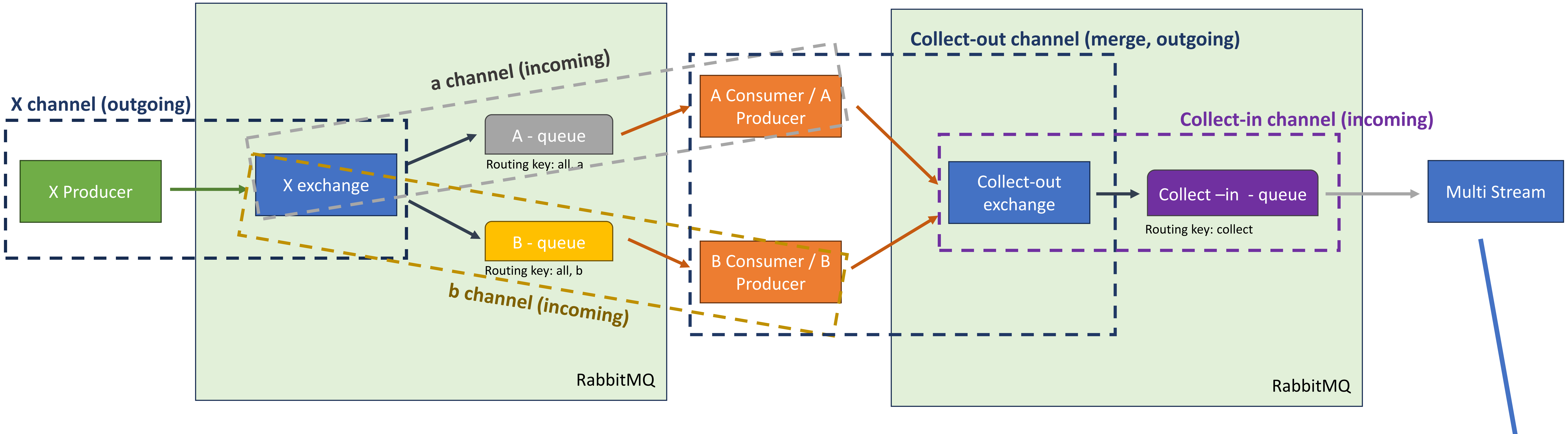
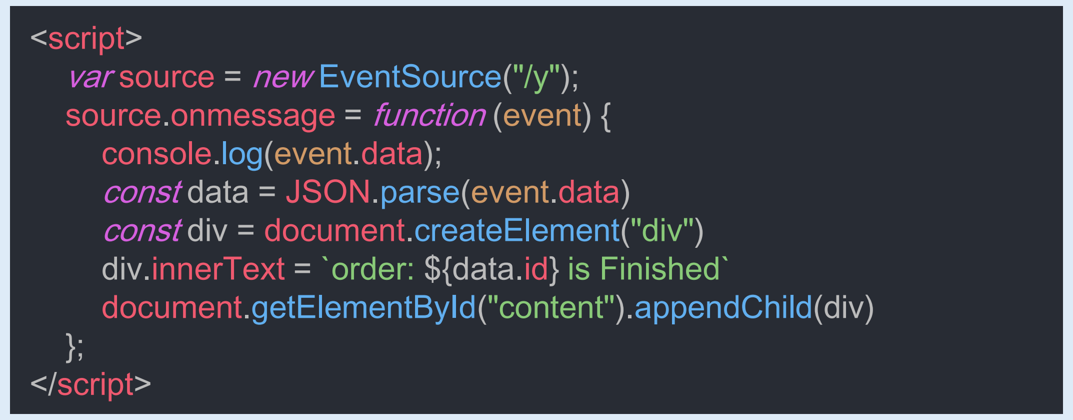
1. X Producer will send **order** message in every 5 s
2. Order message would have routing key: all
3. Order message would send to **A-queue** and **B-queue** by **X exchange**
4. **A consumer** would receive order message and update isAFinished to true. Then, it will send the updated order message with routing key “collect” to **collect-out exchange**.
5. **B consumer** would do the same thing (update isBFinished to true).
6. Updated order message would send to **Collect-in queue** by **collect-out exchange**
7. Finally, we would use multi stream to get all the message from queue, and send it to the frontend if isAFinished and isBFinished are all true.

Order Object:

1. Id: String
2. isAFinished: Boolean
3. isBFinished: Boolean



Order List
The finished Order:
order: 57e245eb-85a6-4c2a-9ff7-ac85145371be is Finished
order: 0921afd9-dc8a-468c-a47d-4cdbecab099b is Finished
order: 705d3cc8-d3e9-4a4e-91ed-e9cb2b70e0b5 is Finished
order: 440ad7a0-0518-48b9-83d9-c5096a327c01 is Finished
order: 606315b9-a2c0-4d52-8581-8fc8fb52efb4 is Finished
order: 05a013a2-f43c-46dc-8947-6a6d1152c74a is Finished
order: 0f07b415-e204-4ef2-9477-1625431eed9f is Finished
order: b315c18c-aaa2-4fa2-a4d4-f804cb19c613 is Finished
order: f2543962-3153-4d5c-be13-2a119f753920 is Finished
order: f2f9e13f-c53d-42d3-b6c9-fbbf9b67346e is Finished



```
<script>
   var source = new EventSource("/y");
   source.onmessage = function (event) {
      console.log(event.data);
      const data = JSON.parse(event.data)
      const div = document.createElement("div")
      div.innerText = `order: ${data.id} is Finished`
      document.getElementById("content").appendChild(div)
   };
</script>
```

Frontend