1. Text

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2. 
3. **Agenda**:
   1. We will discuss the Producer Retry which is performed by the **Producer I/O thread** in the background.
4. 
5. Producer background I/O thread is responsible for transmitting the serialized msg that is waiting in the Topic Partition Buffer.  
   Broker will send success acknowledgement once the msg is written in Kafka otherwise error.  
   The background I/O Thread retries in the following two cases
   1. When not receiving acknowledgement.
   2. When receiving error.  
      In this case, I/O thread can make some more retries before giving up and throwing back an error.  
      properties.setProperty(**ProducerConfig**.**RETRIES\_CONFIG**, Integer.toString(Integer.MAX\_**VALUE**));
   3. When all retries are done, I/O thread will send error to send() method.
6. Diagram

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