

## Consumer offset commit strategies.

### 2 most common strategies

1. (easy) enable.auto.commit = true & synchronous processing of batches.

that means we wait poll up until we are done processing of all messages received.

2. (medium) enable.auto.commit = false and manually commit offsets.

easy (not recommended)

```
1. while(true) {  
    List<Record> batch = consumer.poll(Duration.ofMillis(100))  
    doSomethingSynchronous(batch)  
}
```

with auto.commit, offsets will be committed automatically for you at regular interval (5000ms by default).  
every time you call .poll().

- If you don't use synchronous processing, you will be in 'at most once' behaviour because offsets will be committed before your data is processed - **Risky**.

### 2. (medium) (recommended)

You control when you commit offsets and what's the condition for committing them.

```
while(true) {
```

```
    batch = consumer.poll(Duration.ofMillis(100))
```

```
    if (isReady(batch)) {
```

```
        doSomethingSynchronous(batch)
```

```
        consumer.commitSync();
```

```
    }
```

```
}
```