

Lambda – Asynchronous Invocations

- S3, SNS, CloudWatch Events...
- The events are placed in an **Event Queue**
- Lambda attempts to retry on errors
 - 3 tries total
 - 1 minute wait after 1st, then 2 minutes wait
- Make sure the processing is **idempotent** (in case of retries)
- If the function is retried, you will see **duplicate logs entries in CloudWatch Logs**
- Can define a DLQ (dead-letter queue) – **SNS or SQS** – for failed processing (need correct IAM permissions)
- Asynchronous invocations allow you to speed up the processing if you don't need to wait for the result (ex: you need 1000 files processed)

