**Events From different AWS Services**

* <https://docs.aws.amazon.com/AmazonCloudWatch/latest/events/EventTypes.html> for the documentation

**CloudWatch Logs**

* Log can be defined as documentation of the event.
* To be able to monitor and draw insights from data, we need to collect the insights, aggregate and make it meaningful
* Life cycle of a log:
  + Collection/Extraction:
    - Logs need to be collected from source to the central location which will be responsible for storing the data.
    - The Collection of logs is done using a log Agent which is a daemon process that helps to extract logs from a specific location.
    - Amazon CloudWatch has an agent which can be installed on multiple OS (Linux or Windows) and it can send them over to CloudWatch for Storage
  + Storage:
    - Once the logs are collected, they need to be stored in particular location (database, filesystem, storage service)
    - The data that is collected is going to be large, so storage needs to be realiable, scalable and highly available.
    - CloudWatch logs is a solution that meedts all the requirements for storing data & more.
    - When you use CloudWatch to store your infra & application logs, you do not have to worry anout the capacity of storage & availability of storage service.
    - Cloud Watch logs also have sum extra features such as log retention policy.
    - CloudWatch logs have a feature of archiving logs to S3 or Glacier.
  + Analytics:
    - Analyzing logs is all about to make sense of the data which we have collected.
    - Cloud Watch Logs have the query feature
    - Cloud Watch helps in doing aggregations on the log data collected 