X-Ray Concepts

- <u>Segments</u>: each application / service will send them
- <u>Subsegments</u>: if you need more details in your segment
- <u>Trace</u>: segments collected together to form an end-to-end trace
- <u>Sampling</u>: decrease the amount of requests sent to X-Ray, reduce cost
- <u>Annotations</u>: Key Value pairs used to **index** traces and use with **filters**
- <u>Metadata</u>: Key Value pairs, <u>**not indexed**</u>, not used for searching

- The X-Ray daemon / agent has a config to send traces cross account:
  - make sure the IAM permissions are correct – the agent will assume the role
  - This allows to have a central account for all your application tracing