Distributed Tracing:

Span: #Span基本工作单元 每一次远程过程调用或者是数据库调用都会生成一个

lock: sync.RWMutex #读写锁

tracer: \*Tracer

spanContext: trace.SpanContext

parentSpanID: trace.SpanID

ended: bool

name: string

startTime: time.Time

endTime: time.Time

statusCode: codes.Code

statusMessage: string

attributes: map[label.Key]label.Value

events: []Event

links: map[trace.SpanContext][]label.KeyValue

spanKind: trace.SpanKind

Trace: DAG consist of Span

#一個完整的調用鍊路追蹤, 一個Trace表示了一個事務在分布式系統中的執行過程

#一個Trace是由多個Span組成的一個Tree(DAG的一種), 同時Trace也是整個Tree

#的Root

Links between spans: connection and relationship between two spans

Metrics:

Timer:

Histogram:

Meter:

Counter:

Gauge:

Baggage: way to deliver data

Baggage: global delivered

Resources: telemetry information entity set

Context Propagation: act of serializing and deserializing a context object and passing it to a new service

Context Propagation: act of passing it from thread to thread (or thread-like object) in a service

Propagators:

Collector: tools to collect metrics

Collector: separated from metric output

Instrumentation Libraries: libraries offering opentelemetry api for each language and applications