

March 21, 2018 Meeting,  
Bowen's notes  
Tag: Tracing, jaeger,

Tracing Metadata propagation:

The challenge in here is to know where the meta data is saved inside the application. The Metadata should be for a specific span or thread saved as thread local variable. Key: tread local storage.

There are 2 common types of thread handling.

1: a fixed pool of threads, threads pass down to handle another request scheduled.

Pros: less risk of out of memory

Cons: storage inside, specifically metadata or variable still exist and may interfere with new request.

2: tread gets destroyed every time after use

Pros: Avoided threads information cross contamination.

Cons: starting each thread creates an over head time.

Tracing vs Call Graph

Tracing, shows the full span of function relation. From request to return. End to end. Similar with Gantt chart and sequence diagram. Shows the relation and time stamp between each span or each call.

Call graph, capture requests only. No return no message from function.