

PubSub+ Distributed Tracing Jumpstart

Event driven architectures distribute microservices and data in an asynchronous manner. They are challenging to troubleshoot, debug and monitor. They also make it difficult to analyze data lineage for errors or compliance.

Solace PubSub+ Distributed Tracing uses the OpenTelemetry standard to add full observability to your event brokers and event mesh to address these key organizational needs.

Solace Professional Services offers expertise to address challenges integrating end-to-end telemetry for events flowing into, over, and off the event mesh. A dedicated Senior Professional Services Consultant will work with your team to deliver a successful implementation that helps you to meet your technical and business objectives.

Activities Included

Installation Planning

We work with your middleware and infrastructure teams to ensure your Solace platform meets the requirements for supporting PubSub+ Distributed Tracing.

We develop a step-by-step execution plan on how to 'roll in' distributed tracing that is customized to your requirements. We will work with you to share it with your team, your stakeholders in infrastructure, applications, and networking to ensure that the process is well understood by all parties involved.

Implementation Execution

We assist your team to setup, configure, and test PubSub+ Distributed Tracing and all other required components. This includes an OpenTelemetry Collector, application client libraries, and observability tools (such as Jaeger). We ensure Tracing Telemetry data is forwarded to your observability tool of choice.

Distributed Tracing Best Practices

We help to define a distributed tracing blueprint tailored to your organizational observability needs. This includes helping you on system-wide distributed tracing,

high availability design, standards for onboarding applications and best practices for ecosystem integration.

Performance Tuning

We evaluate the performance impact holistically from the overhead associated with trace messages at the message broker to the latency incurred at publisher/subscriber for facilitating trace observability. We assist your team in assessing infrastructure needs and fine-tuning the publishing of event traces to optimize performance, reduce costs, and mitigate potential risks for future bottlenecks.

Observability Tool Integration

We help to select and integrate your back-end observability tools, such as Elastic, Datadog, Splunk, Jaeger and others. This ensures that you get the most out of your investment in distributed tracing.

Deliverable

- Distributed Trace Blueprint document
- Select and deploy one reference use case for distributed tracing, including context propagation (end-to-end observability)
- Best practices and knowledge transfer

Why use Solace Professional Services?

- Dedicated to customer success and providing the right advice and approach that will work today and as your requirements evolve over time
- Fast track your distributed tracing journey with confidence by leveraging Solace's best practices
- Distributed Trace Blueprint document that your team can use as a building block for your installation base grow
- Solace product experts with the experience and technical expertise to ensure deployment success

Pricing and Duration

This is a 2-week long service package with options to extend to 4 weeks (with an additional pack) or via Enhanced Support for 3-6 months longer term extension.

Price starts from \$20,000.

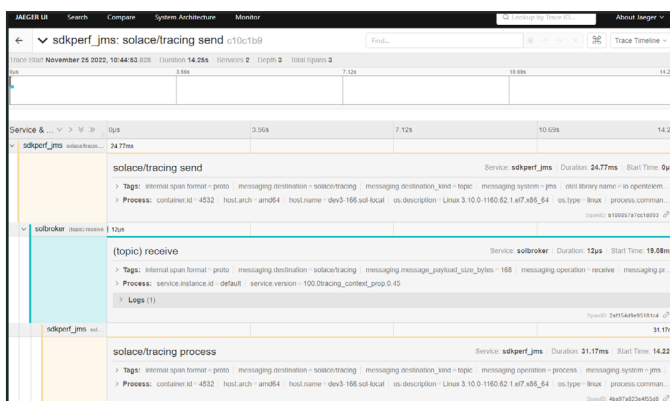


Figure 1. PubSub+ Distributed Tracing in action delivering event traces to a popular APM tool - Jaeger