

# MicroProfile OpenTracing

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OpenTracing is a standardized API that allows developers to instrument their own services for distributed tracing. With distributed tracing, you can troubleshoot your services by logging the requests.

`@Traced` annotation specify a class or method to be traced and has two arguments, which are optional.

|               |                                 |
|---------------|---------------------------------|
| value         | Defaults to true                |
| operationName | Name of the span, default is "" |

```
@GET
@Produces(MediaType.APPLICATION_JSON)
@Traced(operationName = "booksOperation")
public Response books() throws MalformedURLException {
    return Response.ok(bookStoreService.getAll()).build();
}
```

We can use tracing tools like Zipkin or Jaeger to monitor and troubleshoot latency problems in distributed systems.

|        |   |
|--------|---|
| Zipkin | <a href="https://zipkin.apache.org/">https://zipkin.apache.org/</a>       |
| Jaeger | <a href="https://www.jaegertracing.io/">https://www.jaegertracing.io/</a> |

## Summary

In this chapter, we learned how to troubleshoot services using MicroProfile OpenTracing.