

Sending telemetry to Jaeger

Start

Let's see how to update our Trading microservice to start exporting our tracing information to Jaeger.

In Trading repo

1. Add the jaeger exporter NuGet package to Play.Trading.Service.csproj:

```
dotnet add package OpenTelemetry.Exporter.Jaeger --version 1.2.0
```

2. Add JaegerSettings to appsettings.json:

```
"JaegerSettings": {  
  "Host": "localhost",  
  "Port": "6831"  
},
```

3. Add JaegerSettings.cs under Settings directory:

```
namespace Play.Trading.Service.Settings  
{  
    public class JaegerSettings  
    {  
        public string Host { get; init; }  
        public int Port { get; init; }  
    }  
}
```

4. Configure the Jaeger exporter in Startup.ConfigureServices (replace ConsoleExporter):

```
public void ConfigureServices(IServiceCollection services)  
{  
    ...  
    services.AddOpenTelemetryTracing(builder =>  
    {  
        ...  
        .AddAspNetCoreInstrumentation()  
        .AddJaegerExporter(options =>  
        {  
            var jaegerSettings = Configuration.GetSection(nameof(JaegerSettings)).Get<JaegerSettings>();  
            options.AgentHost = jaegerSettings.Host;  
            options.AgentPort = jaegerSettings.Port;  
        });  
    });  
};
```

}

5. Run all microservices
6. Try a purchase from Postman
7. Find the traces in Jaeger portal
8. Filter by Operation == purchase
9. Get a traceid from Seq
10. Find the trace id in Jaeger
11. Commit and push

In the next lesson you will generalize the Open Telemetry configuration for all microservices.