CONFIGURATION GUIDES › NODE.JS, PHP, GO & COBOL

Manual Instrumentation for Node.js (Docker image)

Applicare 10.0 · Updated April 1, 2025 · nodejs · **Pending technical review**

Step 1: Download the tracing.js *(sample file, available on the documentation site)* **file to the root directory.**

Step 2: Add the following **dependencies** to the **Dockerfile**.

```
TEXT
# Install dependencies
RUN npm install --save @opentelemetry/api
RUN npm install --save @opentelemetry/instrumentation
RUN npm install --save @opentelemetry/tracing
RUN npm install --save @opentelemetry/exporter-trace-otlp-http
RUN npm install --save @opentelemetry/resources
RUN npm install --save @opentelemetry/semantic-conventions
RUN npm install --save @opentelemetry/auto-instrumentations-node
RUN npm install --save @opentelemetry/sdk-node
RUN npm install --save @opentelemetry/exporter-jaeger
```

Step 3: Add the following **environment variable** line in Dockerfile.

```
TEXT
ENV SERVER_NAME=<Server_name>
ENV APPLICARE_ENDPOINT=http://<Applicare_IP>:14268/api/traces
```

Change the value in that variable as below.

<Server_name>= The name of the agent shown in the Applicare console.

<Applicare_IP>= The IP address of the machine running the Applicare controller.

Step 4: Comment the CMD line already in the **Dockerfile**. Add below **CMD** line.

```
TEXT
CMD ["node", "--require", "./tracing.js", "app.js (or) server.js (or) node.js"]
```