

Logging

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<https://nicovasq.github.io/logging-example/> - GitHub Pages

Log4J

To use Log4J with maven, add the Log4J api/core dependencies to your `pom.xml`

pom.xml

```
<dependencies>
  <dependency>
    <groupId>org.apache.logging.log4j</groupId>
    <artifactId>log4j-api</artifactId>
    <version>${log4j.api.version}</version>
  </dependency>
  <dependency>
    <groupId>org.apache.logging.log4j</groupId>
    <artifactId>log4j-core</artifactId>
    <version>${log4j.core.version}</version>
  </dependency>
</dependencies>
```

Setting up the log4j property file

SLF4J

Logging facade

Using SLF4J in [Quarkus](#)

Setup / Config

The configuring is done in the `application.properties`

```
# Configuration file
# key = value

# root logger
quarkus.log.level=INFO

# Logger configuration for 'at.html'
quarkus.log.category."at.html".level=DEBUG

quarkus.log.console.level=DEBUG
quarkus.log.console.enable=true
quarkus.log.console.format=%d{HH:mm:ss} %-5p [%c{2.}] (%t) %s%e%n
```

Usage

Defining the logger in our class

```
private static final Logger logger = LoggerFactory.getLogger(GuitarEndpoint.class);
```

Using the logger in the `add` method

```
public Response add(Guitar guitar){

    logger.debug("Entering add method"); ①

    try {
        service.save(guitar);

        logger.info("Save successful: " + guitar.toString()); ②

        return Response.ok().entity(guitar).build();

    } catch (Exception ex){
        logger.error("Error while saving: " + ex.getMessage()); ③

        return Response.status(400).build();
    }
}
```

① Entering the method log (level: debug)

② Info that the save was successful

③ Error that the save was unsuccessful

More information can be found at the [Quarkus Logging](#) site.