

Proposal for Creating MicroProfile Tutorial

Presented by:

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Description of the tutorial design and creation approach:

- The tutorial shall be written in AsciiDoc, a familiar format used by all Microprofile Spec documents as well.
- The design is proposed to be somewhere along the lines of the Jakarta EE Tutorials (which I also contributed to) with a pinch of domain oriented examples like Cargo Tracker or the Spring PetClinic.
- Unless preferred otherwise, the repositories could be located under <https://github.com/eclipse?q=microprofile>
- The proposed creation approach is an agile manner with regular feedback loops.

Identification of who will perform the work:

Mostly myself. I may involve native speakers for proof-reading where applicable, but the rest I plan to do independently.

The proposed time frame for this project

- Given the current plan for Microprofile 7.0 to release in June 2024, the time frame for the tutorial should be also till the end of June 2024.
- As there should be at least a Beta or Preview of one Compatible Implementation (so far 6.1 also just has one) near the release of 7.0 the aim is that the tutorial can cover some important changes in 7.0 and beside that everything still runs properly.
- A MP 6.0/6.1 version shall be available before that, by end of Q1/2024 sounds reasonable as a milestone.

The proposed outcome for the work, including how to demonstrate the work has been completed

The proposed outcome consists of the deliverables mentioned below.

Generating the document with AsciiDoc as well as building and deploying the examples into compatible implementations.

Explicit list of deliverables, including any interim deliverables

- The AsciiDoc document with output
 - HTML
 - PDF
- Example projects/code snippets for the individual specs and building blocks:
 - MicroProfile Config
 - MicroProfile Fault Tolerance
 - MicroProfile Health
 - MicroProfile JWT Authentication
 - MicroProfile Metrics
 - MicroProfile OpenAPI
 - MicroProfile Telemetry
 - MicroProfile Rest Client
 - Jakarta EE 10 Core Profile

As certain specs like Config or Jakarta EE 10 Core Profile are building blocks for others, these are intended to be finished first, and can be considered interim deliverables.

Some examples may also combine more than one spec in a domain-driven way, see the mentioned Cargo Tracker inspiration.

A proposed fixed price, not to exceed \$11K USD

\$10,900 USD, depending on the exchange rate that's roughly around €10K.