



## What is Eclipse MicroProfile?

Eclipse MicroProfile is an open source specification for Enterprise Java Microservices that optimizes Enterprise Java for a microservices architecture. It's focused on rapid innovation and has a time-boxed incremental release schedule.

## Who makes up Eclipse MicroProfile?

Eclipse MicroProfile is an open source project under The Eclipse Foundation. Eclipse MicroProfile is a community of individuals, organizations and vendors collaborating within an open source foundation (Eclipse) to bring microservices to the Enterprise Java community.

## Why microservices? Hints: Community and commonality

Community members will continue to innovate independently, but the MicroProfile allows collaboration where there's commonality. By leveraging commonality to define a baseline platform, developers have a degree of application portability with multiple implementations to choose from.

## What does the Eclipse MicroProfile specification consist of?

The current specification consists of a set of application programming interfaces (APIs) that allows developers to write and implement microservices in the Java language using enterprise-grade constructs. Below is a summary of the APIs - a full set of all APIs are available at [microprofile.io](https://microprofile.io):

- MicroProfile 3.3: Open Tracing 1.3, Open API 1.1, Rest Client 1.4, Config 1.4, Fault Tolerance 2.1, Metrics 2.3, JWT Propagation 1.1, Health 2.2, plus

CDI 2.0, JSON-P 1.1, JAX-RS 2.1, JSON-B 1.0 (Java EE APIs)

Stand-alone releases - outside platform:

- Reactive Messaging 1.0
- Reactive Streams Operators 1.0
- Context Propagation 1.0

## What does each specification include?

Each specification includes:

- Technology Compatibility Kit (TCK)
- Javadocs
- Spec HTML and PDF doc
- API Maven artifact coordinates
- Git tag

## Are there any implementations of Eclipse MicroProfile?

Yes, as of today, these are the Eclipse MicroProfile implementations at different levels of functionality:

- Apache TomEE (Tomitribe)
- Hammock (Hammock Project)
- Helidon (Oracle)
- kumuluzEE (kumuluz)
- Launcher (Fujitsu)
- Open Liberty (IBM)
- Payara Server/Payara Micro (Payara)
- Quarkus (Red Hat)
- Thorntail (Red Hat)



## Ready to get started?

Kickstart your projects!

- <https://start.microprofile.io/>

Latest MicroProfile Resources

- <https://microprofile.io/resources/>

MicroProfile Releases

- <https://github.com/eclipse/microprofile/releases>

## Want to check out some code?

- <https://microprofile.io/projects>