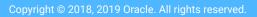






- 1. What is Helidon?
- 2. Helidon SE and Helidon MP
- 3. Demo
- 4. Conclusions





Safe Harbour Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.



A set of Java libraries for developing microservices



Project Helidon

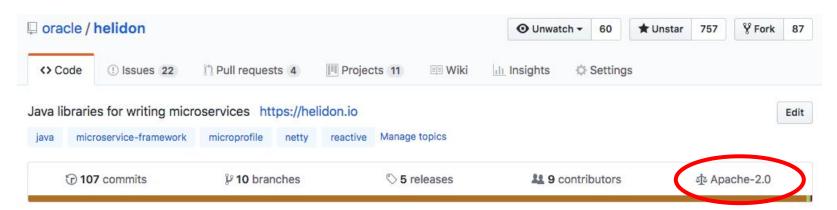
- Open
- Innovative
- Support standards
- Supported active project



Open Source



- Hosted on GitHub
 - https://github.com/oracle/helidon
- Apache 2.0 License







- Web Site with guides and tutorials
 - https://helidon.io
- Public Slack channel
 - https://helidon.slack.com
- Contributions are welcome!

Landscape







- Microframework
- Functional style
- Reactive
- Transparent



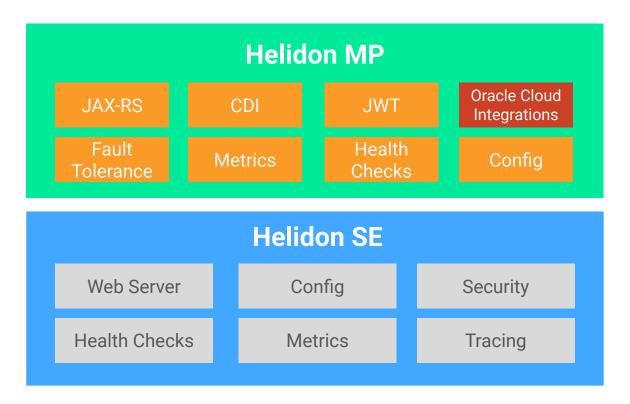


- MicroProfile
- Declarative style
- CDI, JAX-RS, JSON-P









Helidon SE



Reactive Web Server

- Simple functional routing model with reactive Flow API
- Built on Netty
- OpenTracing, Metrics and Health Checks
- Static content support

Config

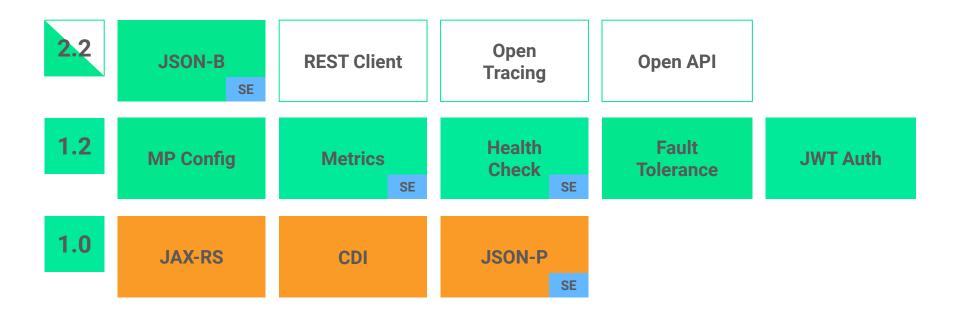
- Flexible, typed config model
- Multiple data sources
- Hierarchical model
- Dynamic updates
- Extensible

Security

- Authentication
- Authorization
- Outbound Security
- Auditing
- Extensible

Helidon MP







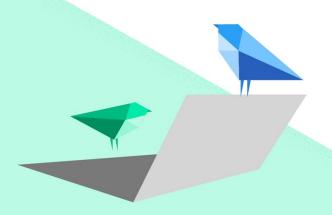


Helidon MP



```
@Path("hello")
@ApplicationScoped
public class HelloWorld {
    @GET
     public String hello() {
         return "Hello World";
java -cp ... io.helidon.microprofile.server.Main
```

Demo



Roadmap



	Q1 2019		Q2 2019		Later 2019
•	Helidon 1.0 (done)	•	MicroProfile 2.2	•	HTTP/2
•	MicroProfile 1.2 (done)	•	JPA and JTA	•	Reactive HTTP Client
		•	Graal VM integration	•	Reactive storage
		•	gRPC support		(ADBA, R2DBC, NoSQL)
				•	Eventing
				•	More OCI integrations
				•	Commercial support

Links



Website: https://helidon.io

Twitter: <u>@helidon_project</u>

GitHub: https://github.com/oracle/helidon

Slack: https://helidon.slack.com





Competitive landscape



Microservice Framework/tool	Helidon	Spring Boot	Dropwizard	Vert.X	Spark	Open Liberty	Thorntail	Apache TomEE	Payara
Open source	✓	✓	✓	✓	✓	✓	✓	✓	✓
Easy to learn	✓	✓	✓		✓			✓	
Microprofile capability	✓					✓	✓	√ *	✓
Small footprint	✓		✓	✓	✓			✓	
Large commercial contributor	✓	✓		✓		✓	✓		
Support	✓	✓				✓		✓	✓