

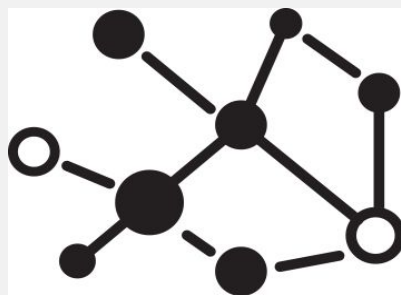
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Eclipse MicroProfile: What's it all about?

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What is Eclipse MicroProfile?

- Community of individuals, organizations and vendors
- Collaborating on an open source project
- Optimizing Enterprise Java for Microservice development



Eclipse
MicroProfile

Eclipse MicroProfile 1.0

- Released September 2016
- Brought together:
 - CDI 1.2
 - JAX-RS 2.0
 - JSON-P 1.0

Eclipse MicroProfile 1.1



Configuration 1.0



Security: JWT Token Exchange 1.0



Health Check 1.0



Fault Tolerance 1.0 (Stretch goal)

**Second Quarter
2017!**

Configuration API

Get all the configuration properties that are visible:

```
@Inject  
Config config;
```

Configuration API

Get specific property value (static):

```
@Inject  
@ConfigProperty(name = "myProp", defaultValue = "defValue")  
String myProperty;
```

Configuration API

Get specific property value (dynamic):

```
@Inject
@ConfigProperty(name = "myProp", defaultValue = "defValue")
Provider<String> myProperty;

String getValue() {
    myProperty.get();
}
```

Possible Future Features

- Additional Microservice focused features:
 - Service Discovery
 - Tracing
 - Metrics
 - Monitoring
- Java EE 8 updates:
 - CDI 2.0
 - JAX-RS 2.1
 - JSON-P 1.1
 - JSON-B 1.0 ???

Relation to Java EE

- Consumes Java EE 7 parts
 - Java EE 8 in the future
- Innovation for Microservices in Eclipse MicroProfile
 - Funnel for possible Java EE JSRs
 - Config API
 - Fault Tolerance
 - etc

How To Get Involved?

- Google Group for discussions
 - <https://groups.google.com/forum/#!forum/microprofile>
- Eclipse MicroProfile
 - <https://projects.eclipse.org/proposals/eclipse-microprofile>
- MicroProfile site
 - <http://microprofile.io/>

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