Components
**Meecrowave Core**

Core component is the backbone of Meecrowave. It is based on Tomcat embedded for Servlet container, CXF for JAX-RS, OpenWebBeans for CDI and Log4j2 for the logging.

- Read about Meecrowave configuration
- Read about Meecrowave command line
- Read about Meecrowave and webapp/wars

**Meecrowave JPA**

Meecrowave JPA provides a thin layer on top of JPA to make it easier to use JPA without requiring to use a full container like JavaEE or Spring. It is just a CDI extension.

- Read More

**Meecrowave Maven**

Meecrowave provides a Maven plugin to run meecrowave with your preferred build tool.

- Read More

**Meecrowave Gradle**

Meecrowave provides a Gradle plugin to run meecrowave with your preferred build tool.

- Read More

**Meecrowave and the Testing**

Meecrowave provides two main testing integration: a JUnit one and an Arquillian Container.

- Read More

**Meecrowave and Monitoring**

For monitoring, Microprofile can be a neat companion of Apache Meecrowave. You can have a look to Geronimo implementation.

**Meecrowave and JTA**

This is an experimental integration of geronimo-transaction and meecrowave.
JTA module

**Meecrowave and OAuth2**

This is an experimental module integrating CXF OAuth2 server in Meecrowave through an embeddable dependency or a directly executable jar.

OAuth2 module

**Meecrowave Let’s Encrypt**

This is an experimental module integrating with Let’s Encrypt to provide you free and easy SSL support on your HTTPS connectors.

Let’s Encrypt module

**Meecrowave Websocket**

This is an experimental module wrapping [tomcat-websocket](https://tomcat.apache.org/tomcat-websocket/) to make it CDI friendly for server endpoints.

Websocket module

**Going further**

Meecrowave scope is not the full scope of microservices (whatever it means) or at least enterprise needs cause several Apache projects cover part of them in a very good way.

See [Companion Projects](https://Apache.com/CompanionProjects) for more information.