The OCCIware project develops the ultimate framework for modelling, designing, deploying and running every computing resource as a service.

OCCIware is the tool you need to implement the Open Grid Forum's Open Cloud Computing Interface (OCCI) standard.

Aligned with OCCI, the OCCIware project integrates and complements existing open cloud projects such as the CompatibleOne cloud broker and the Cloud Automation and Roboconf deployment systems, developed by ActiveEon, and Linagora. All results from OCCIware will be open source licensed.

OCCIware implements four use cases to validate the technology. They focus on datacenter management (DaaS) and infrastructure (IaaS), IaaS, PaaS and SaaS deployment and reconfiguration inter-operability, BigData as a Service (BDaaS) and.LinkedData as a Service (LDaaS) through the European platform OASIS.

Expect the following from OCCIware:

✔ The OCCIware formal framework to manage all kinds of resources as a service, from the model through to the code execution.
✔ The OCCIware dedicated language
✔ The OCCIware studio to develop all kinds of resources as a service
✔ support for the OCCIware Models@runtime including a resource container, tools for deployment, supervision and administration
✔ A deploy@OCCIware platform for elastic deployment on hybrid cloud
✔ A set of formal specifications enhancing OCCI’s recommendation
✔ Standardization of OCCI/OCCIware through DMTF

OCCIware Architecture

OCCIware is developed by a consortium of ten partners bringing together industry and academic leaders, innovative technology startups and open source community expertise.

OCCIware Project Partners:
ActiveEon, Inria, Linagora, Obeo, Open Wide, OW2, Université Joseph Fourier Grenoble, Scalair, Telecom Sud Paris

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