

CHOREVOLUTION

ICT Project

Deliverable D7.1

Website and collaborative infrastructure v1

<http://www.chorevolution.eu>

THALES



OW2



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Abstract

This document describes the CHOReVOLUTION project website and the collaborative infrastructure designed to serve the project main communities, to ease collaboration between the members of the consortium and to contribute to scientific, industrial and open source dissemination.

Keyword list

CHOReVOLUTION, middleware, choreographies, synthesis, IT, cloud, interface, web, development, communication, collaboration, dissemination, services, wiki, community, conference, workshop, webinar, standard, social network, open source, OSS, FLOSS

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Glossary, acronyms & abbreviations

Item	Description
CA	Consortium Agreement
DL	Deliverable Leader
DOW	Description of Work
IAC	Industrial Advisory Committee
MST	Management Support Team
OSS	Open Source Software
PL	Project Leader
PMC	Project Management Committee
PO	Project Officer
PTC	Project Technical Committee
SL	Scientific Leader
WP	Work Package
WPL	Work Package Leader

Table of Contents

1. Introduction.....	1
2. Internal Communication Tools.....	1
2.1 <i>Private Wiki</i>	1
2.2 <i>Collaborative Development Infrastructure</i>	2
2.3 <i>Cloud Testbed Infrastructure</i>	3
3. External Communication Tools.....	4
3.1 <i>Mailing Lists</i>	4
3.2 <i>Public Website</i>	5
3.3 <i>Social Networks</i>	6
3.4 <i>Webinars</i>	7
4. Conclusion.....	8

Table of Figures

Figure 1: CHOReVOLUTION Private Wiki.....	2
Figure 2: ow2stack Welcome Screen.....	3
Figure 3: CHOReVOLUTION Mailing List Administration.....	5
Figure 4: CHOReVOLUTION Public Website.....	6
Figure 5: CHOReVOLUTION Public Website Structure.....	6
Figure 6: CHOReVOLUTION Twitter Homepage.....	7
Figure 7: OW2 Webinars Homepage.....	7

Table of Tables

Table 1: Internal Communication Tools, Technologies and Setup.....	1
Table 2: External Communication Tools, Technologies and Setup.....	4
Table 3: CHOReVOLUTION Mailing Lists.....	4

1. Introduction

The CHOReVOLUTION task 7.1 plans the design and implementation of the communication resources required to support the operations and also the dissemination of the project results.

The implemented resources, as of March 2015, can be segmented between internal tools and external tools. Here are the main resources provided to the consortium, listed by category of internal communication tools (section 2) then external communication tools (section 3).

The following sections describes these resources, the technologies involved, and detailed information about their respective set-up to match the project objectives.

2. Internal Communication Tools

Three kinds of internal communication tools are implemented to support the operations and to simplifies information sharing between the consortium members:

- Private Wiki
- Collaborative development infrastructure including tools such as forge (Tuleap), continuous integration (Bamboo or Jenkins), file versioning system (Git), repository manager (Nexus), issue tracker (Jira or Tuleap), etc.
- Cloud testbed infrastructure: ow2stack, to be complemented by the integrated testing and deployment platform developed in WP6

The table 1 sums up the tools integrated in the CHOReVOLUTION communication platform, with access links (rights might be required), technologies involved and set-up section.

Internal Tools	URL	Technology	Setup in Section
Private Wiki	CHOReVOLUTION private Wiki: http://chorevolution.ow2.org/	XWiki	2.1
Collaborative Development infrastructure	Forge, continuous integration, file versioning system, repository manager, issue tracker, etc. http://www.ow2.org/view/IT_Infrastructure/Overview	Tuleap, Jenkins, Git and more	2.2
Cloud Testbed infrastructure	Ow2stack cloud infrastructure: http://ow2stack.org	OpenStack	2.3

Table 1: Internal Communication Tools, Technologies and Setup

2.1 Private Wiki

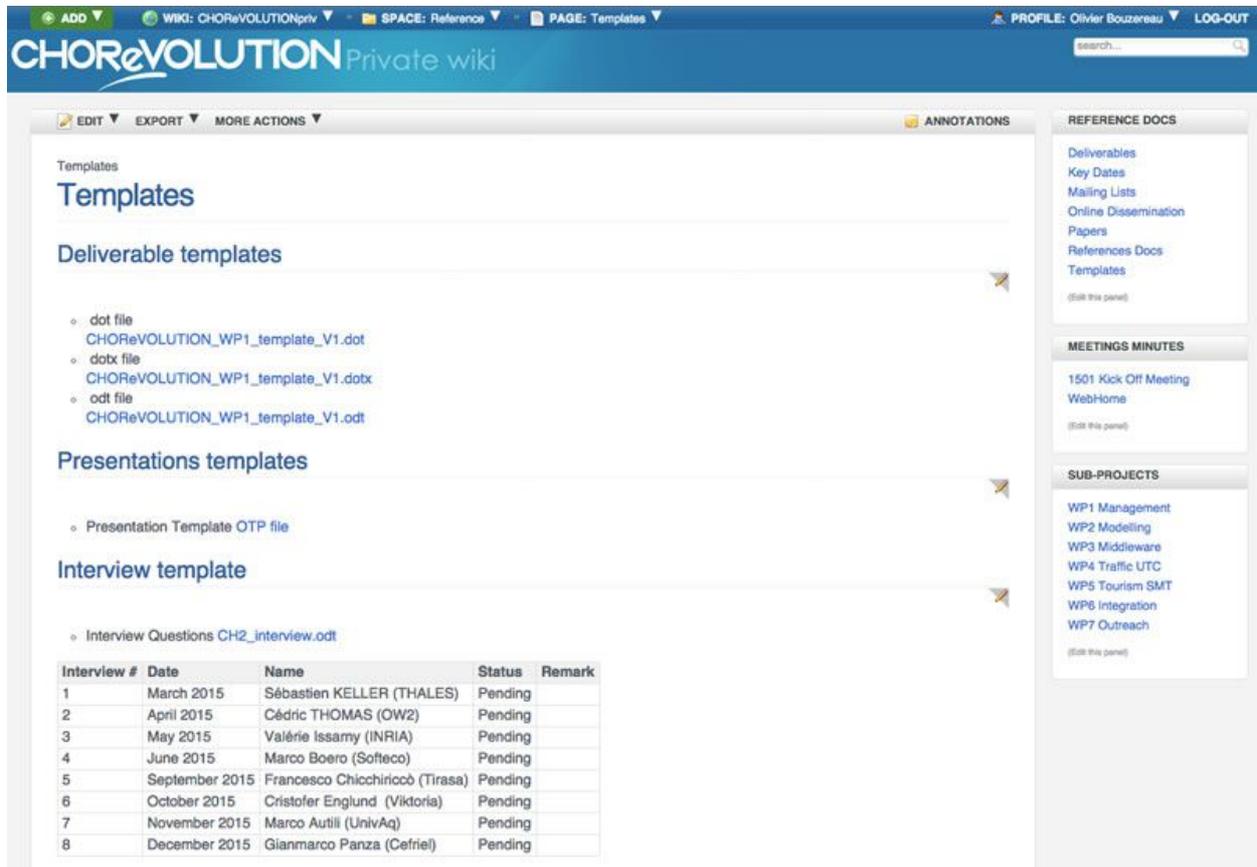
The CHOReVOLUTION consortium has access to an XWiki private platform in order to share documents, prepare meetings, events and deliverables.

Since January 2015, all the members of the consortium can join this private site, clicking on the upper right REGISTER button¹. Once their access rights have been set up, they can

¹ XWiki privé CHOReVOLUTION: <http://CHOReVOLUTION.ow2.org/>

upload, download and share documents inside the relevant wiki sections (WP pages or meeting minutes for instance). Figure 1 shows a screenshot of the template documents shared with the project consortium.

The XWiki platform has been designed in Java and brings professional functions like collaborative edition, rights management, PDF export, etc. It includes a form engine and an advanced script language to offer a complete development environment to data-centric applications.



3.

Figure 1: CHOReVOLUTION Private Wiki

2.2 Collaborative Development Infrastructure

The CHOReVoLUTION project has been instantiated on the OW2 technical infrastructure. The CHOReVOLUTION development team has now access to a state-of-the-art devops environment which essentially includes development tools and the ow2stack cloud infrastructure.

Technically speaking, we have set up the following development tools:

- **Forge**: The main entry point for developers is the forge, for this CHOReVOLUTION will be using the Tuleap platform, a last-generation collaborative environment that supports git repositories. The project address is this URL².

² <https://tuleap.ow2.org/chorevolution>

- **Issue tracker:** we have set up the project on Jira at the following URL³. Note: if the project developers prefer they will be able to use the Tuleap issue tracker.
- **Continuous integration:** CHOReVOLUTION will be able to use Atlassian Bamboo for its builds. The project has been set up at this URL⁴.
- **Repository manager:** CHOReVOLUTION is given access to Nexus, a Maven-based artifact management.
- **Execution environment:** CHOReVOLUTION will use ow2stack as cloud testbed infrastructure (read section below)
- At a later stage, CHOReVOLUTION will be provided with **Quality Assurance tools** from OW2 SQUAT⁵(Software Quality Assurance and Trustworthiness) quality programme such as Sonar for code analysis and Fossology for license checking.

The OW2 Devops infrastructure will be complemented by the integrated testing and deployment cloud platform developed in WP6.

2.3 Cloud Testbed Infrastructure

Regarding the execution environment, CHOReVOLUTION will use ow2stack, a testbed cloud infrastructure designed by the OW2 community based on OpenStack IaaS. Figure 2 shows the LogIn screen of ow2stack⁶.

When ready, the project team will benefit from cloud resources renewable every two months until the end of the project.

Important note: during 2015, OW2 will upgrade its infrastructure. Therefore, some of the tools URLs provided above may change. Please, refer to the project private wiki for the most up-to-date URLs.

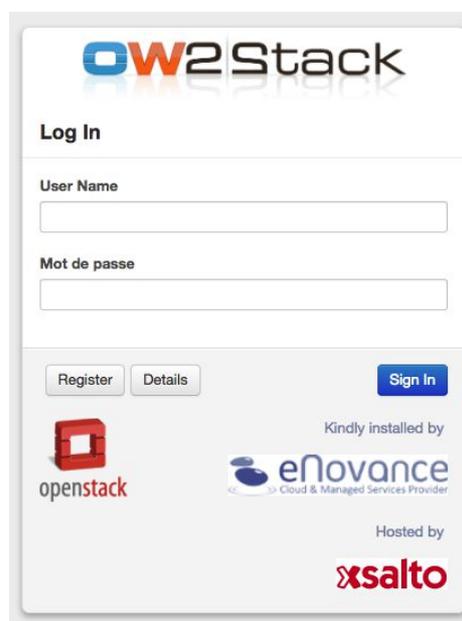


Figure 2: ow2stack Welcome Screen

³ <https://jira.ow2.org/browse/chorevolution/>

⁴ <http://bamboo.ow2.org/chorevolution>

⁵ <http://www.ow2.org/view/About/SQuAT>

⁶ <http://ow2stack.org>

3. External Communication Tools

Four kinds of external communication tools have been selected, configured and integrated to provide natural exchanges between the stakeholders of the project, including the CHOReVOLUTION project team members, partners, open source communities and end-users:

- Mailing lists
- Public Website
- Social Networks
- Webinars

The table 2 sums up the tools integrated in the CHOReVOLUTION communication platform, with access links, technologies involved and set-up section.

Communication Tool	URL	Technology	Setup in Section
Mailing Lists	http://mail.ow2.org/wws/info/	Sympa	3.1
Public Website	http://www.chorevolution.eu/	XWiki	3.2
Linkedin Group	https://www.linkedin.com/groups?home=&gid=8238562	LinkedIn	3.3
Twitter account	https://twitter.com/chor_evolution	Twitter	3.3
SlideShare account	http://fr.slideshare.net/chorevolution	SlideShare	3.3
OW2 Webinars	http://www.ow2.org/view/Webinars/	Webex	3.4

Table 2: External Communication Tools, Technologies and Setup

3.1 Mailing Lists

The mailing lists are generated and managed (see Figure 3) from the OW2 sympa server. As of mid-February, eight lists have been defined. They are listed and detailed in the table 3.

Mailing list	Name / Admin link	Recipients
CHOReVOLUTION Consortium	chorevolution_admin@ow2.org	37
CHOReVOLUTION WP1 partners	chorevolution-wp1@ow2.org	21
CHOReVOLUTION WP2 partners	chorevolution-wp2@ow2.org	16
CHOReVOLUTION WP3 partners	chorevolution-wp3@ow2.org	6
CHOReVOLUTION WP4 partners	chorevolution-wp4@ow2.org	6
CHOReVOLUTION WP5 partners	chorevolution-wp5@ow2.org	6
CHOReVOLUTION WP6 partners	chorevolution-wp6@ow2.org	6
CHOReVOLUTION WP7 partners	chorevolution-wp7@ow2.org	11

Table 3: CHOReVOLUTION Mailing Lists



Figure 3: CHOReVOLUTION Mailing List Administration

3.2 Public Website

Launched in January 2015, the CHOReVOLUTION public website⁷ (see Figure 4) is updated on a regular basis, according to the actions, presentations, events and results of the project.

The structure (see Figure 5) of the public website provides sections to Discover, Follow and Share information about the CHOReVOLUTION project. The About section details the contributors, related projects and key contacts.

⁷ <http://www.CHOReVOLUTION.eu>



Figure 4: CHOReVOLUTION Public Website



Figure 5: CHOReVOLUTION Public Website Structure

3.3 Social Networks

Three social networks are contributing to grow the CHOReVOLUTION community and to share information about open cloud computing platforms and tools.

The following footnotes provide links to the project LinkedIn Group⁸ and Twitter account⁹ (see Figure 6).

Moreover, a Slideshare account¹⁰ has been created to share CHOReVOLUTION presentations.

⁸ LinkedIn Group: <https://www.linkedin.com/groups?home=&gid=8238562>

⁹ Compte Twitter: http://twitter.com/CHOR_eVOLUTION

¹⁰ Compte Slideshare: <http://www.slideshare.net/CHOReVOLUTION>

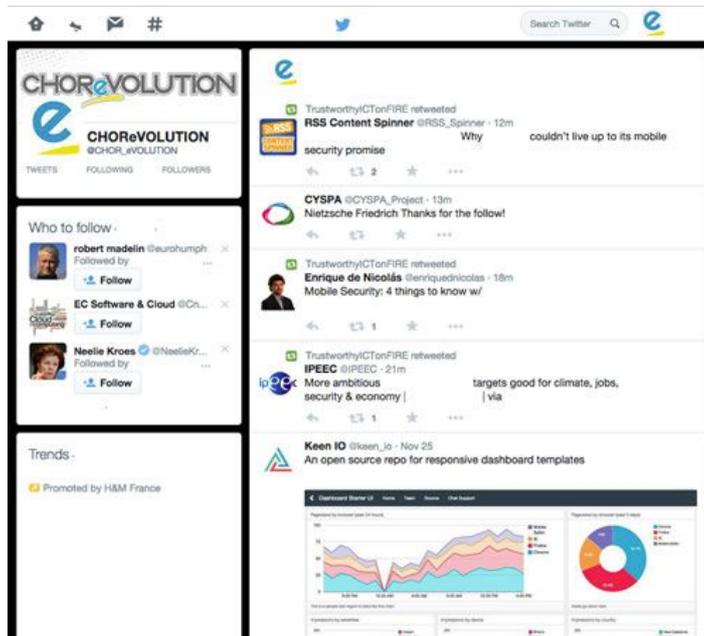


Figure 6: CHOReVOLUTION Twitter Homepage

3.4 Webinars

CHOReVOLUTION consortium members are kindly invited to provide online webinars about their concepts, software and tools, to a growing community of developers.

The CHOReVOLUTION webinars can be created and consolidated using the OW2 Webinar services (see Figure 7), based on Cisco Webex technology.

In order to plan and record a new webinar, or to review a past webinar, please, use this unique OW2 Webinars services¹¹ link.

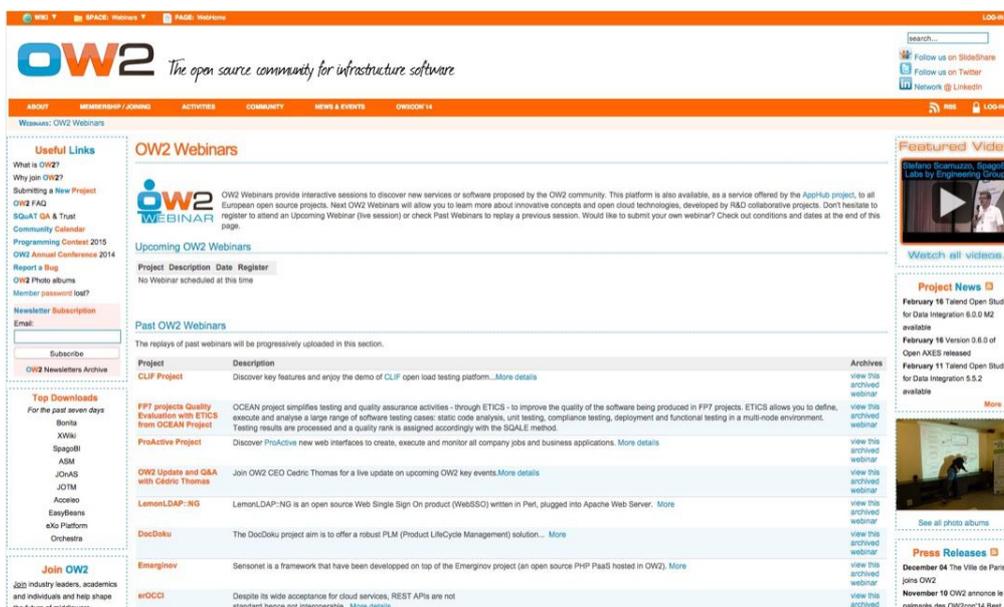


Figure 7: OW2 Webinars Homepage

¹¹ OW2 Webinars: <http://www.ow2.org/view/Webinars/>

4. Conclusion

This document describes the website and collaboration infrastructure designed for the CHOReVOLUTION project members and stakeholders.

The CHOReVOLUTION technical platform relies on a set of powerful open source tools associated with several online services.

OSS involved in the CHOReVOLUTION communication platform are:

- XWiki to build the private wiki focused on the consortium collaboration and the public website
- Sympa server to define and to manage mailing lists
- OW2 technical infrastructure including tools such as Tuleap, Jenkins, Git, etc.
- ow2stack, the OW2 OpenStack infrastructure, dedicated to cloud projects tests

Social Networks and online Services used side by side in CHOReVOLUTION project:

- a LinkedIn group
- a Twitter account
- a SlideShare account
- OW2 webinars, based on Cisco Webex technology, are offered to the CHOReVOLUTION consortium in order to explain concepts, software and tools developed in the framework of the project.

More online services, configured by OW2, could be used during the coming months, according to the needs of the CHOReVOLUTION team. For example, the OW2 WebTV channel uses Youtube and Dailymotion services, allowing video and animated demonstrations streaming.

The technical infrastructure toolbox¹² provided by OW2 to the CHOReVOLUTION developers can be checked online. Members of the consortium are invited to mention the tools they wish to implement to accomplish their CHOReVOLUTION tasks, by contacting OW2 Management Office (mo AT ow2.org).

Beyond collaboration, scientific and industrial dissemination are both continuous activities that can benefit from the present website and from the private wiki.

During the next collaborative working sessions, new areas of interest, new workshops, and also several results will appear – publications, press releases, source code and technical guides, for instance. The project website and the private wiki are structured to host such elements.

To deliver tangible and efficient results, in line with the project objectives, this document will be updated at least once a year.

More regular updates will be visible in the private wiki WP7 section¹³, allowing more dissemination results such as public events including CHOReVOLUTION lectures and presentations.

¹² http://www.ow2.org/view/IT_Infrastructure/Overview

¹³ http://chorevolution.ow2.org/bin/view/WP7_Outreach/WebHome