

Welcome to the World of Standards



Cloud Standards Coordination – Phase 2 Final Review Workshop: WP2 Presentation

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Final Review Workshop, Brussels, 1-2 October 2015



A view of the WP2 report

○ Objectives

- Address the relationship of CC Standards with Open Source.
 - Understand how they can benefit from each other.
- Make an inventory of the on-going Open Source projects that have an established relationship with standards organizations active in CC.
- Analyse their potential contribution to standards.

○ Deliverable: **an ETSI Special Report (SR)**

○ Status

- Draft report distributed (version 1.0) for public comments on July 28th
- For review at the public Review Workshop on October 2nd (aka today)

○ Main objectives

- Understand the relationship between Open Source (OS) and standards and vice-versa via the identification of a number of interaction scenarios between Standard Setting Organizations and OSS (not specific to Cloud Computing), some of them already visible and some only emerging.
- Clarify how these scenarios apply to Cloud Computing.
- Collect information upon the perceived strategies and visible actions of the SSOs regarding Open Source, and how they match the above scenarios;
- Collect information upon the perceived strategies and interactions of the Open Source projects towards standardization, especially when the interaction scenario involves one or more of the SSOs relevant in Cloud Computing;
- Propose initial recommendations to foster positive interaction, to suggest areas for collaboration between both communities on ways to support this interaction (e.g. technical frameworks, interoperability, intellectual property).

○ Main content

- 5 Standards and Open Source: purpose, use
 - 5.1 Definitions and objectives
 - 5.2 Different objectives, different approaches
 - 5.3 Main challenges to an efficient interaction
- 6 Standards and Open Source: Interaction scenarios
 - 6.1 An overall view
 - 6.2 The scenarios
 - 6.3 Current and future situation
- 7 Case studies
 - 7.1 Sharing specifications: NFV and OPNFV
 - 7.2 Open Source and Standards: OpenStack
- 8 Better aligning the standards and OSS communities
 - 8.1 Alignment: if and when needed
 - 8.2 Strategies
 - 8.3 Solutions
- 9 Conclusions and Recommendations
- 10 Areas for improvement of this report
- Annex A: Cloud Computing SSOs and Standards in CSC (Phase 1)
- Annex B: Standard Related Organizations Approaches
- Annex C: Open Source Organizations Approaches

○ Current set of recommendations

- Collaboration
 - Encourage collaboration between OSS communities and SSOs working on similar or closely related topics, e.g. NFV and OPNFV, possibly through joint events like workshops, plugtests;
 - Encourage the creation of “joint projects” between the SSOs where the standards are developed and Open Source communities in order to push for close relationship, interaction, exchange and cooperation;
- Roadmaps
 - Make sure that collaboration between SSOs and OSS organizations address the known Cloud Computing (standards) gaps, e.g. in Service Level Agreement, Security, Privacy and Integrity;
 - Encourage Open Source initiatives to standardize their specifications that are important for interoperability (e.g. APIs: Data Model, Protocol, Format).
- Organization
 - Facilitate the implementation of Open Source solutions based on Standards (developed or under development in a SSO);
 - Ensure that pre-standardization activities (e.g. those emanating from research projects) can be sustained over a longer period in order to allow for a smooth transition of results within Cloud Computing standardization.
- Marketing, dissemination, promotion
 - Encourage SSOs for early and increased effort in the dissemination of plans for/work on new Cloud related specifications towards the OSS communities in the Cloud area;
 - Engage industrial users of Cloud OSS;



Organization of the Review

○ Before the workshop

- 110 comments received (incl. additional text)
- The STF 486 has compiled them and made a pre-evaluation
 - Editorial (E) 108
 - Simple (S): accepted, easy to implement 0
 - Complex (C): same but requires more after meeting effort 0
 - Disagreement (D): cannot be taken as such 0
 - For further study (F): too large to be done in time and resources 0
 - Out of scope (O): not in the initial goal of the project 0

○ During the meeting

- Open discussion !!!

○ After the meeting

- Finalization of the comments not dealt with during the review session
- Publication of results around mid-October (in line with ICT 2015)

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Thank you!