

STATUS REPORT

WG3: Study on Standardization & Certification

2015.11.16

NEA OSS Promotion Forum

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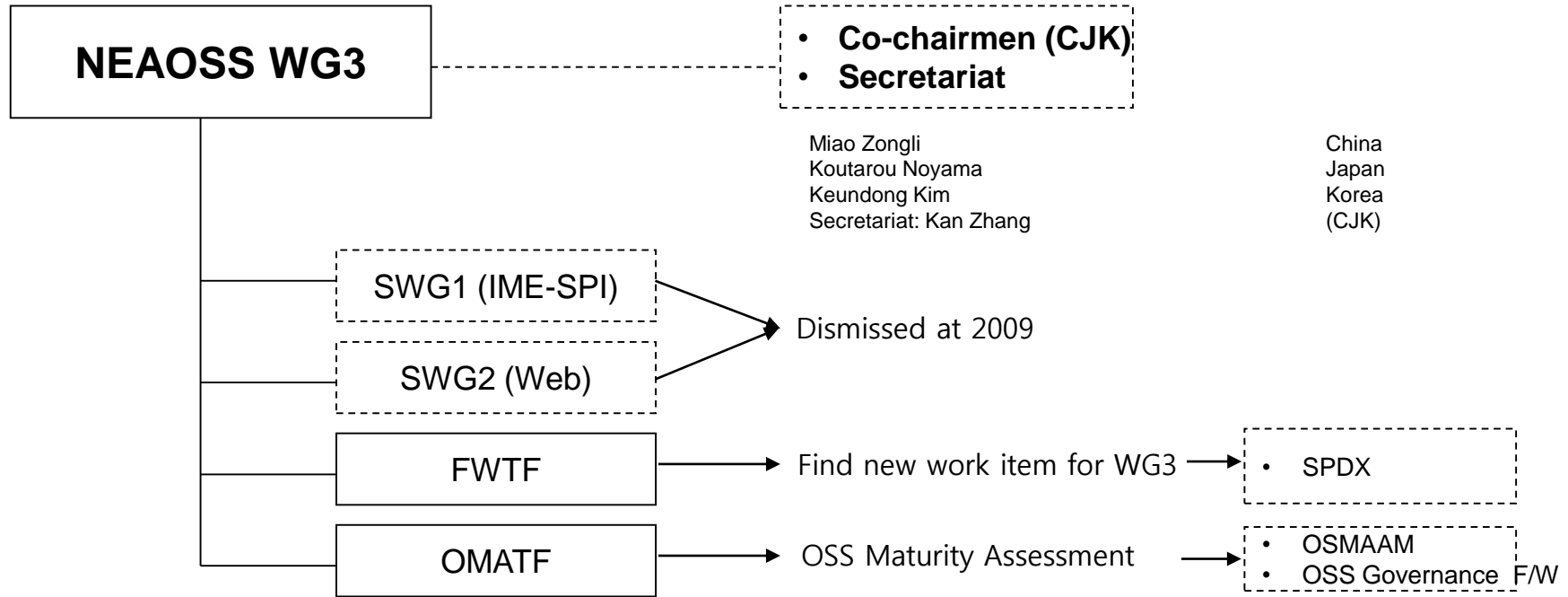
Introduction – Role of WG3

NEAOSS Forum formed

“WG3: Standardization and Certification Study” in order to study

Open Source Software standardization and certification in July 2004

Introduction – Structure & Functionality of WG3



❖ Note: All activities/decisions are per NEAOSS WG3 directives

Introduction – About NEA OSS PF WG3

- NEAOSS Promotion Forum : 13th
- WG3 F2F Meeting : 34th
- WG3 Documents : 244

OSMAAM Translation

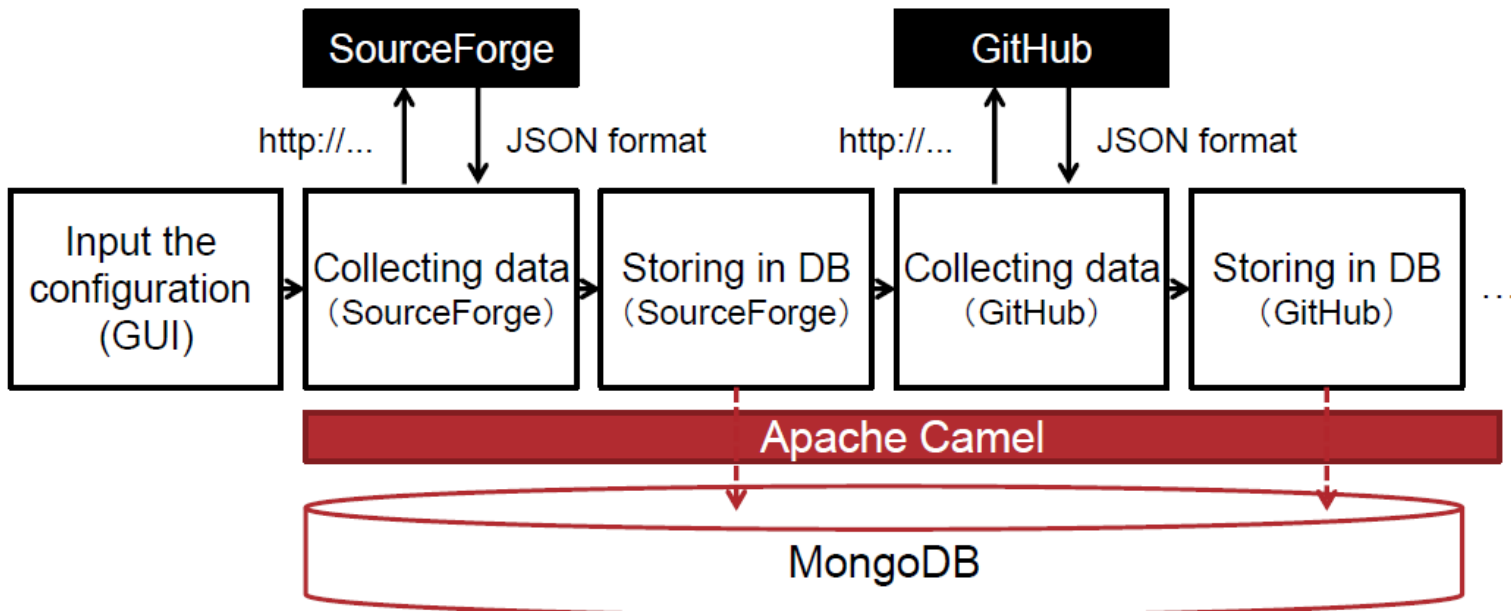
- The OSMAAM(A Study for Design and Implementation of Open Source Software Maturity and Applicability Assessment) has been finished and is being translated into CJ language by WG3
- We are going to integrate the OSMAAM with RepOSS or RepOSS Korea System

RepOSS Collector

- Data collecting tool for evaluation of OSS
 - Collecting information of projects from Web services using Web APIs
 - Storing the data into a database (MongoDB)
 - GUI for setting the configuration to collect data
 - Import from the configuration from Excel file
 - Registration / Revision of settings
 - Monitoring the status of progress with GUI

RepOSS Collector

- Collecting and Storing data by crawling Web services
 - Processing each of data by using Apache Camel
 - Storing the data in MongoDB with JSON format



RepOSS Collector

- Target Web services and information(in beta version)

target	collecting information (example)	Impl.
SourceForge	Basic information of the project	Done
GitHub	Basic information of the project	Done
Bugzilla	Bug information	Done
JIRA	Bag information	Done
SlideShare	Slides about the target OSS	Done
Google Custom Search	The number of search results	Done
Google Trend	Transition of the number of search results	Done
Amazon	Books about the target OSS	Not yet
Wikipedia	Information of the project on Wikipedia	Done
CVE	Vulnerability information	Done
Twitter	Tweets with the keywords about the target OSS	Done
Mail archive site	Flow in the mailing list	Not yet
Package information	Version of the package in major Linux distributions	Not yet

Guideline for applying SPDX in OSS SCM

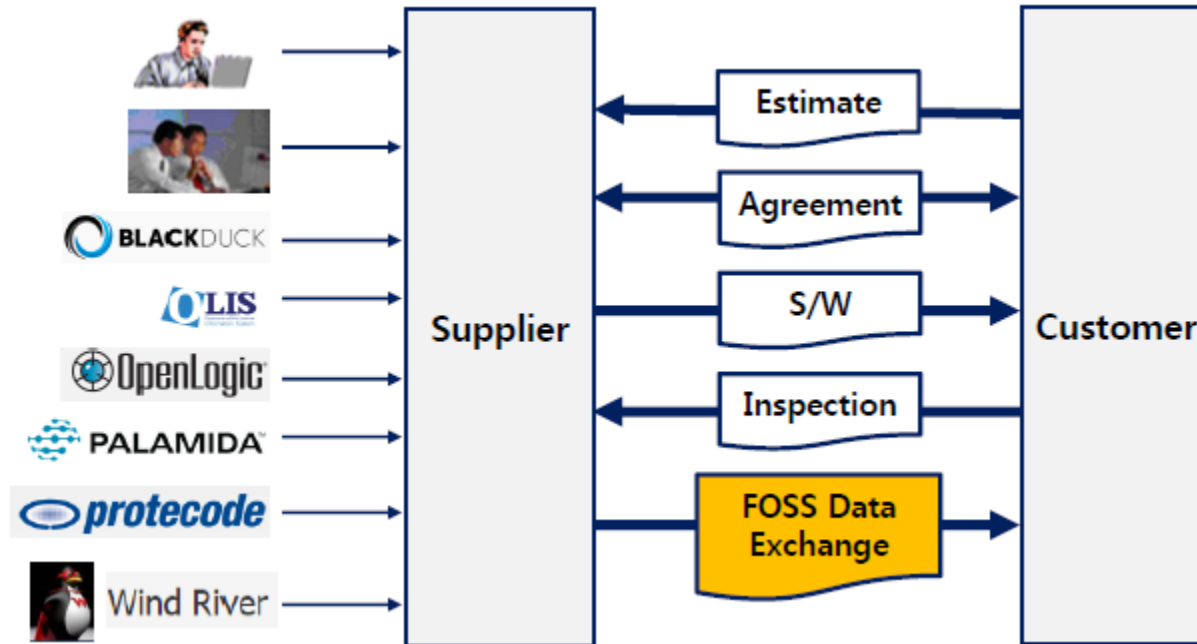
- This document defines a standard procedure for the OSS supply chain management,
- and provides guidelines how to apply for SPDX in OSS supply chain management.

Guideline for applying SPDX in OSS SCM

- Overview
 - OSS SCM(Supply Chain Management) Overview
 - Types of Software SCM
 - OSS based Software distribution lifecycle
 - The needs of OSS SCM
 - Standard Procedure for OSS SCM
 - SPDX Overview
 - Linux Foundation and SPDX Working Group
 - SPDX v2.0 specification details
 - Support tools and services for SPDX
 - How to apply for SPDX in OSS SCM

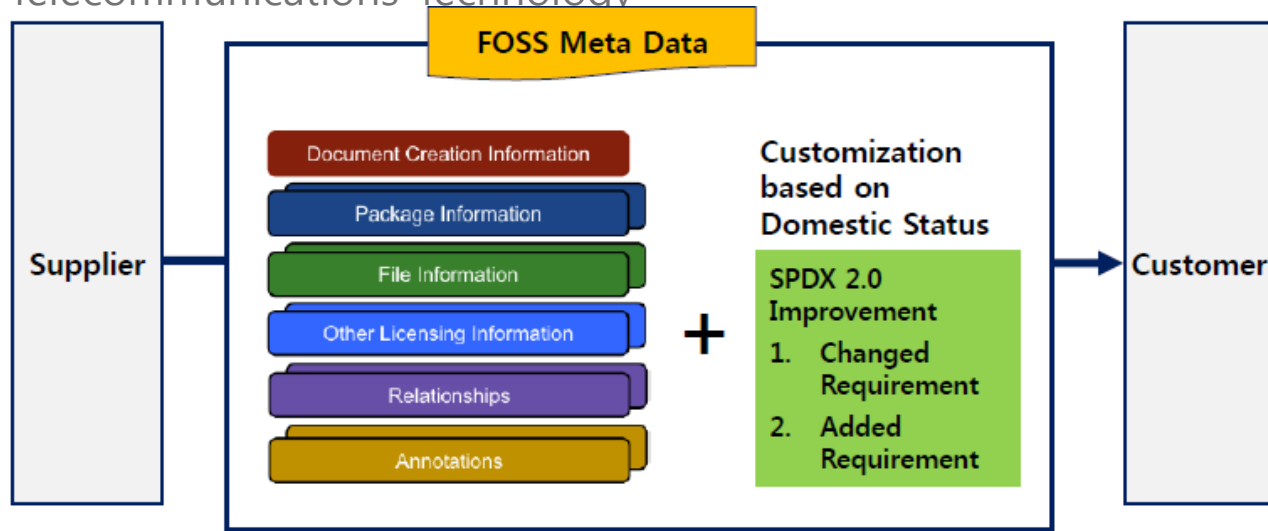
Enhancement of SPDX for FOSS Governance

- Improvement of SPDX for SW SCM
 - Suppliers distribute Standard FOSS Meta Data to Customers
 - Any Compliance Tools can be used for generating FOSS Meta Data



Enhancement of SPDX for FOSS Governance

- Improvement of SPDX for SW SCM
 - SPDX(Software Package Data Exchange)is suitable for FOSS Meta Data Standard
 - Linux Foundation runs SPDX Workgroup by Open Source Philosophy
 - Consistent FOSS Meta Data Exchange guaranteed in SW Supply Chain
 - Organization Standard TTA.KO-11.0182 published in 2014 by Korea Telecommunications Technology

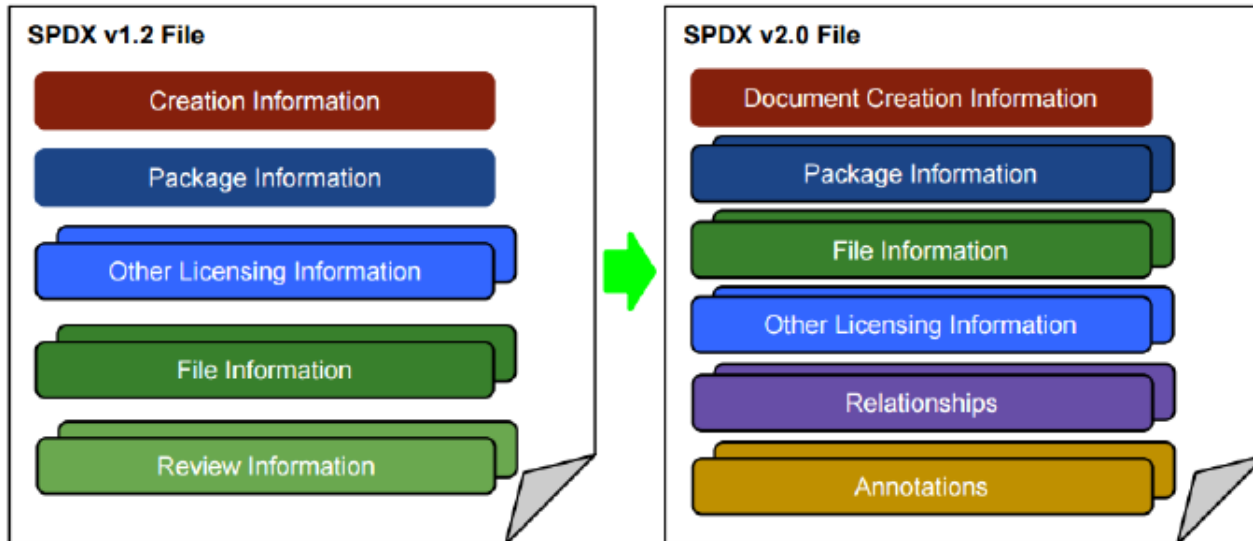


Enhancement of SPDX for FOSS Governance

- What's new?
 - Multiple packages can now be described in a single SPDX document.
 - Relationships between packages, files, and external SPDX documents, can now be described.
 - Annotations can be provided on any specific element in an SPDX document.
 - Additional file types & checksum algorithms are now supported.
 - A new License expression syntax has been introduced with improved license matching guidelines.
 - License exceptions are separate section in license list

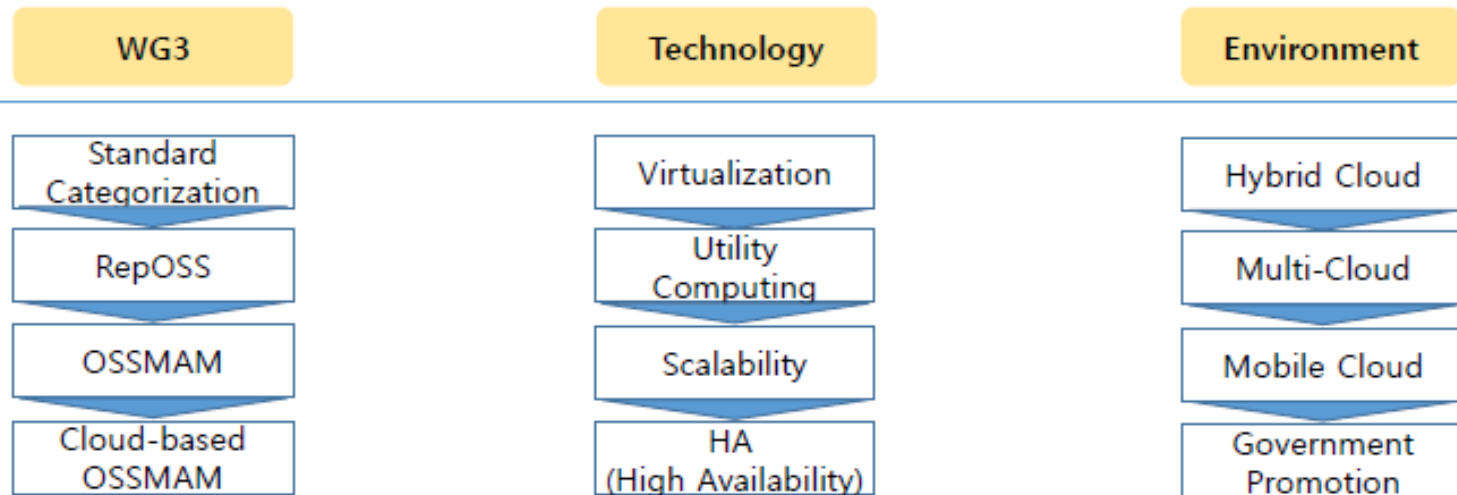
Enhancement of SPDX for FOSS Governance

- What's changed?
 - Review Information Section replaced by Annotations.
 - now able to provide specific information on file, package or document level.
 - Document and Creation Information Sections merged into a single section.
 - all fields from 1.2 remain, just regrouped, and some additional ones added



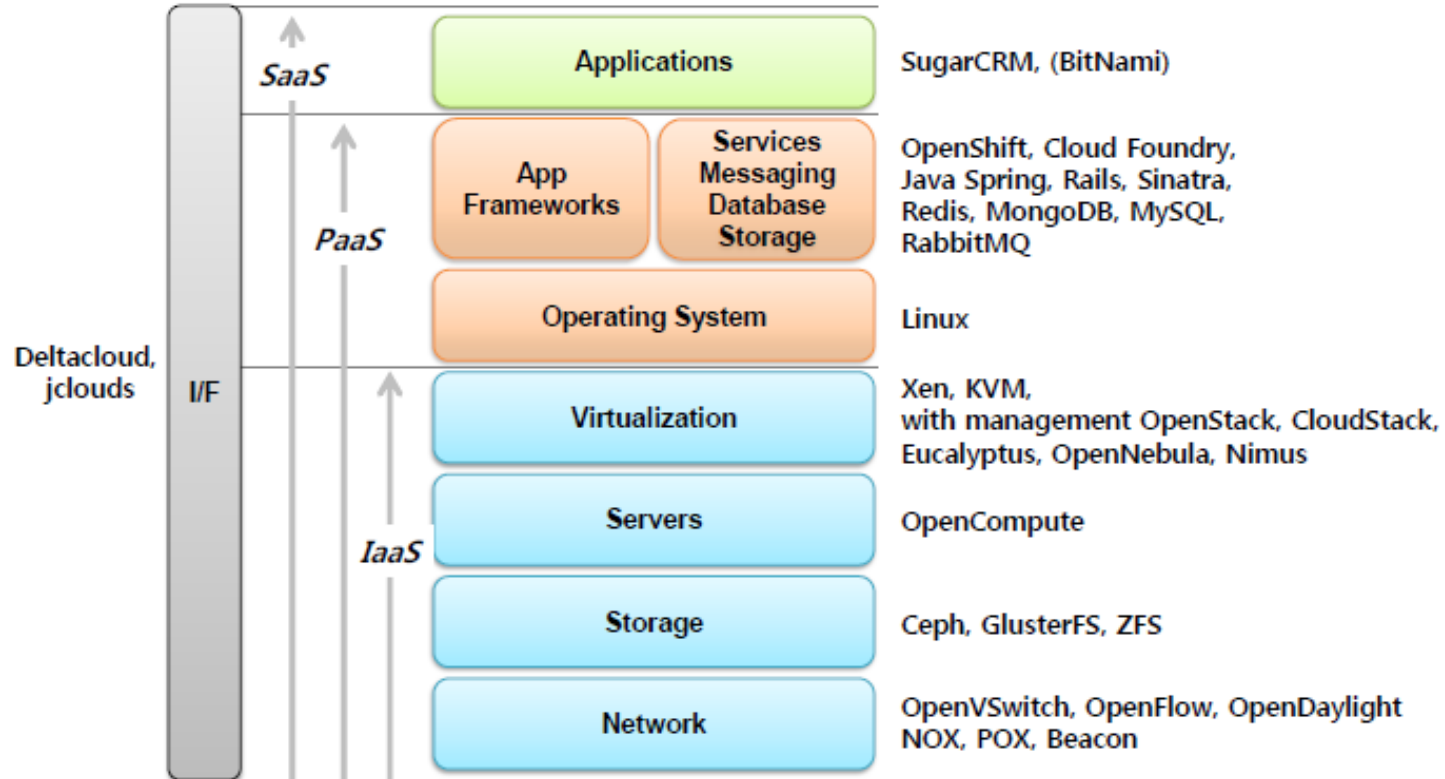
FOSS Assessment Model based on Cloud Computing

- Requirement
 - Needs for Enhancement of RopOSS
 - Emerging Technologies from Cloud Computing
 - Supportive Government Policies
 - Improved FOSS Assessment Model based on Cloud Computing



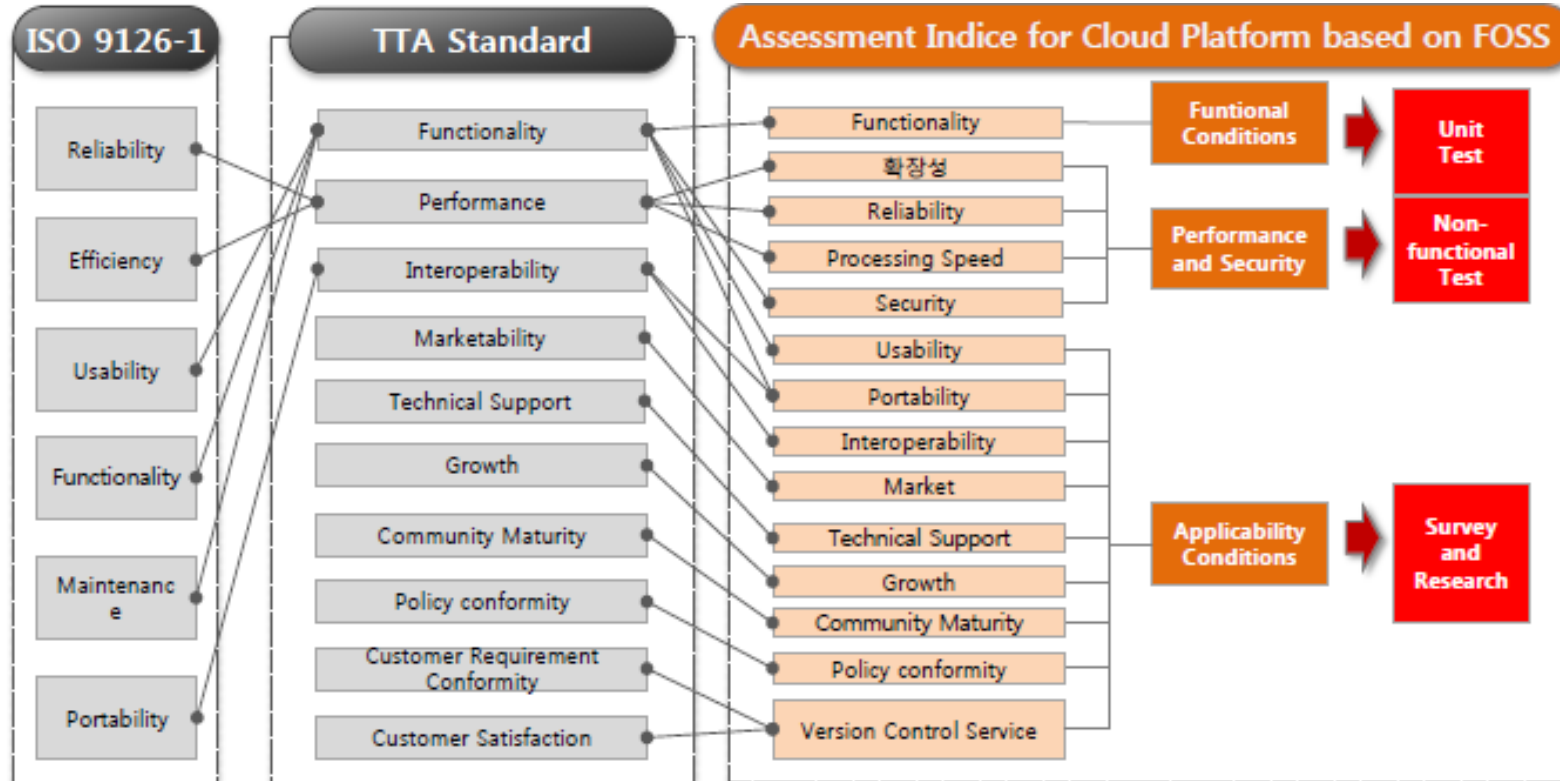
FOSS Assessment Model based on Cloud Computing

- FOSS for Cloud Computing



FOSS Assessment Model based on Cloud Computing

- Use case of OSMAAM for PaaS Assessment

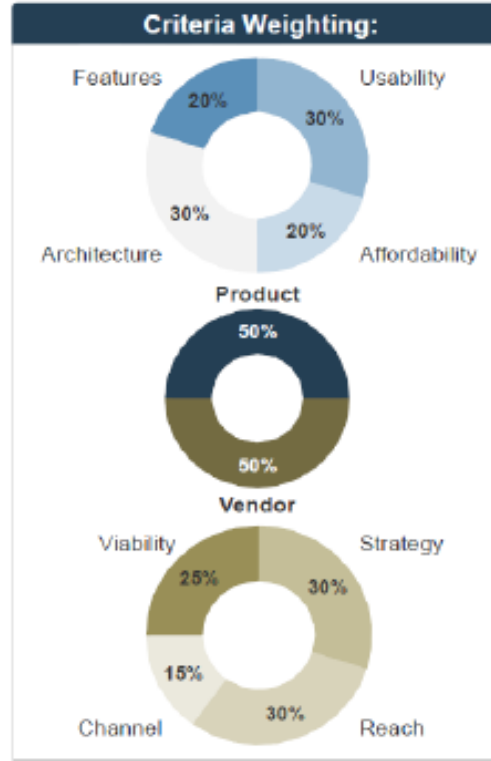


FOSS Assessment Model based on Cloud Computing

- OSMAAM Improvement based on Cloud Computing
Evaluation Criteria & Weighting Factors

Product Evaluation Criteria	
Features	The solution provides basic and advanced feature/functionality.
Usability	The solution's user and administrative interfaces are intuitive and easy to use.
Affordability	The three year TCO of the solution is economical.
Architecture	The solution has flexible deployment options and comes out-of-the-box as a unified solution.

Vendor Evaluation Criteria	
Viability	Vendor is profitable, knowledgeable, and will be around for the long-term.
Strategy	Vendor is committed to the space and has a future product and portfolio roadmap.
Reach	Vendor offers global coverage and is able to sell and provide post-sales support.
Channel	Vendor channel strategy is appropriate and the channels themselves are strong.



FOSS Assessment Model based on Cloud Computing

- Expected Result of improved OSMAAM based on CMP
 - Cloud Management Platform Evaluation
 - Overall Result by Assessing Product and Vendor Properties
 - High Rankers: Citrix(CloudPlatform, CloudStack) & VMware(vCloud) in 2012

CMP Vendor Landscape



Evaluation Criteria

	Product					Vendor				
	Overall	Features	Usability	Afford	Arch	Overall	Viability	Strategy	Reach	Channel
Abiquo*	🟡	🟡	⬤	⬤	⬤	🟡	🟡	⬤	🟡	🟡
CA Technologies*	🟡	🟡	⬤	⬤	🟡	🟡	🟡	⬤	⬤	⬤
Citrix	🟡	🟡	⬤	⬤	⬤	🟡	⬤	⬤	⬤	⬤
Eucalyptus*	🟡	🟡	⬤	⬤	🟡	🟡	⬤	⬤	🟡	⬤
Flexiant	🟡	🟡	⬤	⬤	⬤	🟡	🟡	⬤	🟡	🟡
Nimble	🟡	🟡	⬤	🟡	🟡	🟡	🟡	⬤	🟡	🟡
OpenStack*	🟡	🟡	⬤	⬤	⬤	🟡	🟡	🟡	⬤	⬤
Virtustream*	🟡	🟡	⬤	⬤	⬤	🟡	🟡	⬤	🟡	🟡
VMware	🟡	⬤	⬤	⬤	🟡	🟡	⬤	⬤	⬤	⬤

Legend: 🟡 = Exemplary, 🟡 = Good, 🟡 = Adequate, 🟡 = Inadequate, ⬤ = Poor

- Standardization : The Specification of OSS Browser
- RepOSS Korea Innovation
- We are going to integrate the OSMAAM with RepOSS System



rockPLACE

THANK YOU!

kdkim@rockplace.co.kr