



OSCAR

Le programme qualité de la communauté OW2

*Adresser les nouveaux challenges qualité
du logiciel libre d'infrastructure*

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Cloud Computing World Expo 2016
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Contexte et motivation

- Des barrières à l'option industrielle du libre subsistent
- Dynamique darwinienne, nécessité d'outils d'aide à la sélection
- Absence de standards de comparaison

Le paysage de l'analyse qualité du logiciel libre



Major analysis models

Some analysis solutions

Oscar: un modèle qualité et une plateforme

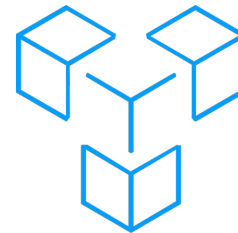
Open-source Software Capability Assessment Radar



Métriques / scorecards



Gouvernance



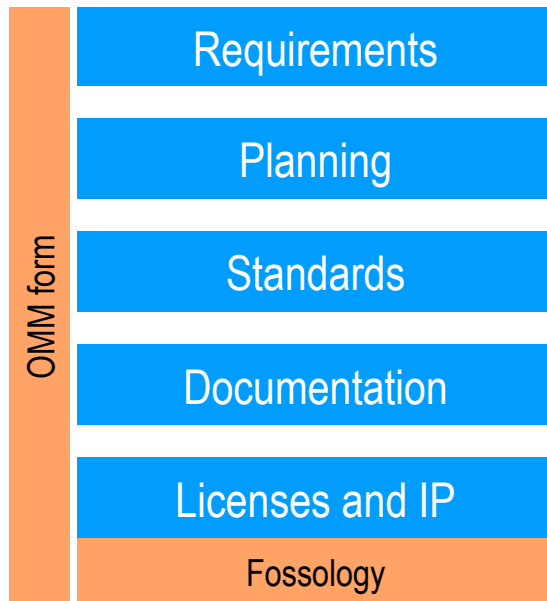
Ingénierie

- Fondation: [Qualipso Open-source Maturity Model \(OMM\)](#)
- Liste de discussion: mail.ow2.org/www/info/oscar
- Wiki: oscar.ow2.org

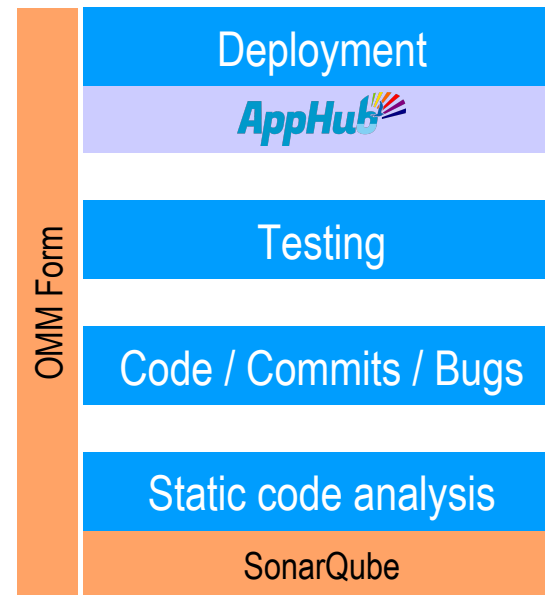
La plateforme Oscar



 Métriques / scorecards



 Gouvernance



 Ingénierie

Exemple de tableau de bord:



Overview Quality Metrics Risk Drivers Risk Assessment

SpagoBI is the 100% open source, complete and flexible Business Intelligence suite.

SpagoBI is the 100% open source, complete and flexible Business Intelligence suite. Thanks to its wide offering of analytical tools and to its intuitive user interface, it supports day-to-day and strategic business. SpagoBI suite includes not only usual reporting and charting tools, but also unique and innovative solutions for new business intelligence domains, such as location intelligence, KPIs, real-time, mobile, big data, what-if and social listening. Thanks to its modular approach and open standards, it allows easy customization and the development of flexible user-friendly solutions. SpagoBI is a free and open source software. This eliminates any license costs, separating the right to use the software from the product. SpagoBI is a vendor lock-in. This facilitates its adoption within Analytics, which fully exploit the power of the data. SpagoBI was conceived and realized by the SpagoBI Labs of Engineering Group -the leading Italian software stack managed by OW2.

Web site	http://www.spagobi.org/
Functionality	Business Intelligence
Status	Mature
License(s)	Mozilla Public License 2.0
Standards	JBI JPA
VCS repository(ies)	- type: svn web: http://forge.ow2.org/projects/spagobi
Issue tracker URL	http://www.spagoworld.org/jira/browse/SPAGOBI
Discussion channels	- http://mail.ow2.org/www/info/spagobi - http://mail.ow2.org/www/info/spagobi-contributors - http://mail.ow2.org/www/info/spagobi-dev
Documentation	Videos and online demo
Datasheets	SpagoBI datasheet
Professional case studies	- SpagoBI for PAGODA, the Open Lab Governance Dashboard - With SpagoBI Open Data drive territory management - http://www.spagobi.org/homepage/newsroom/success

Overview Quality Metrics Risk Drivers Risk Assessment

SonarQube	SonarQube
Fossology	Fossology
GForge	GForge
OpenHub	OpenHub
JIRA	JIRA
Open Maturity Model	SpagoBI OMM

Category	Average OMM score
Documentation	3.8
Standards	4
Testing process	3.6
Licenses and IP	4
Environment	4
Commits and bug reports	3.9
Maintainability	4
Configuration management	4
Project planning	4
Requirements management	4
Roadmap management	4
Stakeholders involvement	3.9

Average OMM score by category

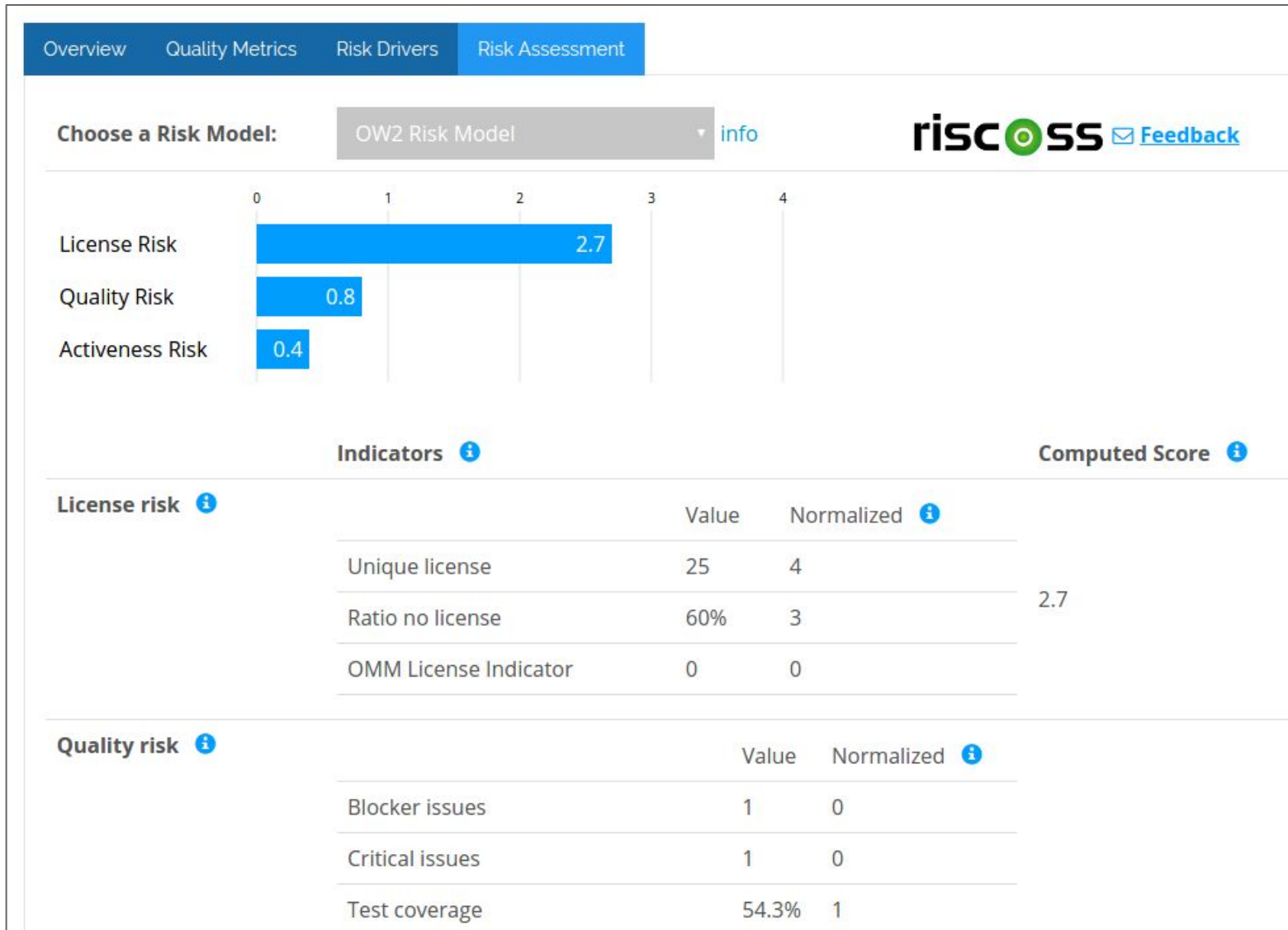
projects.ow2.org/bin/view/spagobi/

Exemple de tableau de bord:



Overview Quality Metrics Risk Drivers Risk Assessment			
Licensing Code Quality Activeness			
Metric	Value	Source	
Lines	56,003	OW2 SonarQube	
Ncloc	35,216	OW2 SonarQube	
Classes	141	OW2 SonarQube	
Files	322	OW2 SonarQube	
Directories	88	OW2 SonarQube	
Functions	2,602	OW2 SonarQube	
Accessors	200	OW2 SonarQube	
Statements	17,613	OW2 SonarQube	
Public API	970	OW2 SonarQube	
Comment lines	6,573	OW2 SonarQube	
Comment lines density	15.7%	OW2 SonarQube	
Public documented API density	21.2%	OW2 SonarQube	

Exemple de tableau de bord :



Perspectives

- Juin 2016:
 - État de l'art détaillé des modèles, outils, méthodes
 - Premières évolutions d'OMM
- Septembre 2016:
 - Oscar v1.0 : modèle et implémentation de référence
- 2016 - 2017
 - Évaluation de nouveaux outils : TripleCheck, ScanCode,
 - Extensions autour des tests, de la datavisualisation, ...
 - Intégration à la place de marché OW2

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Merci !



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