OpenInfobutton OSEHRA Certification

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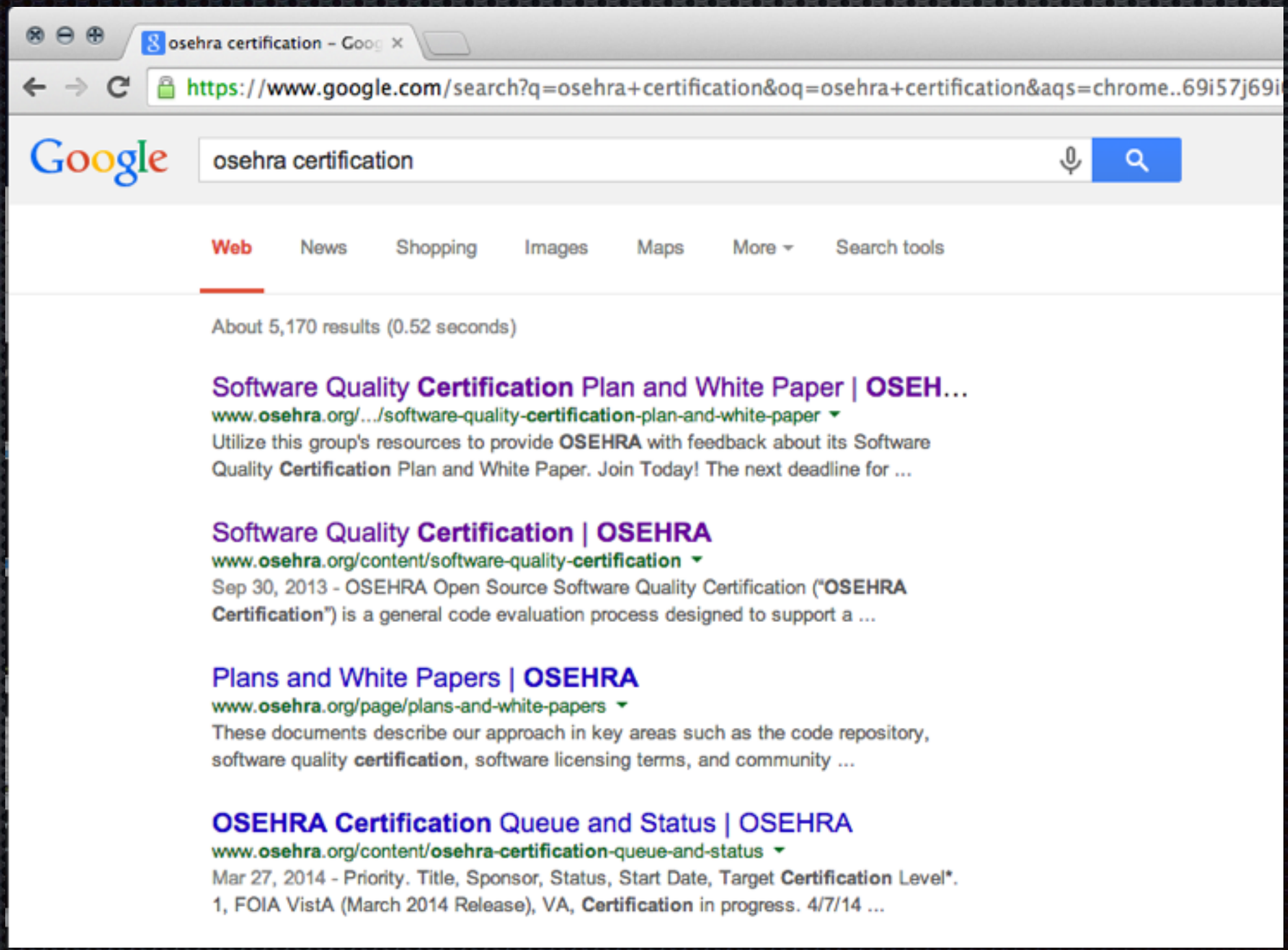
Resources are Google-able



Evaluation Areas

- Open Source License
- Documentation
- Testing
- Code Review

http://www.osehra.org/content/certification-standards

Certification Levels

	Name/ Number Space	Depen-dency / SAC	Open Source License	Documen-tation	Code Review	Test Installa-tion	Regression Testing	Functional Testing
Level 1	Pass	Pass	Apache 2	None	Large # Non-critical Issues	Large # Non-critical Issues	Existing Tests Pass	Large # Non-critical Issues
Level 2	Pass	Pass	Apache 2	Basic	Small # Non-critical Issues	Small # Non-critical Issues	Existing + Some R. Tests	Small # Non-critical Issues
Level 3	Pass	Pass	Apache 2	Substantial	No Issues	No Issues	Existing + >= 50% Coverage	No Issues
Level 4	Pass	Pass	Apache 2	All Required	No Issues	No Issues	Existing + >= 90% Coverage	No Issues

Table 1 - OSEHRA software quality certification levels and minimum category expectations

http://www.osehra.org/sites/default/files/OSEHRA_Certification_Standards_V2.pdf

Open Source Evaluation

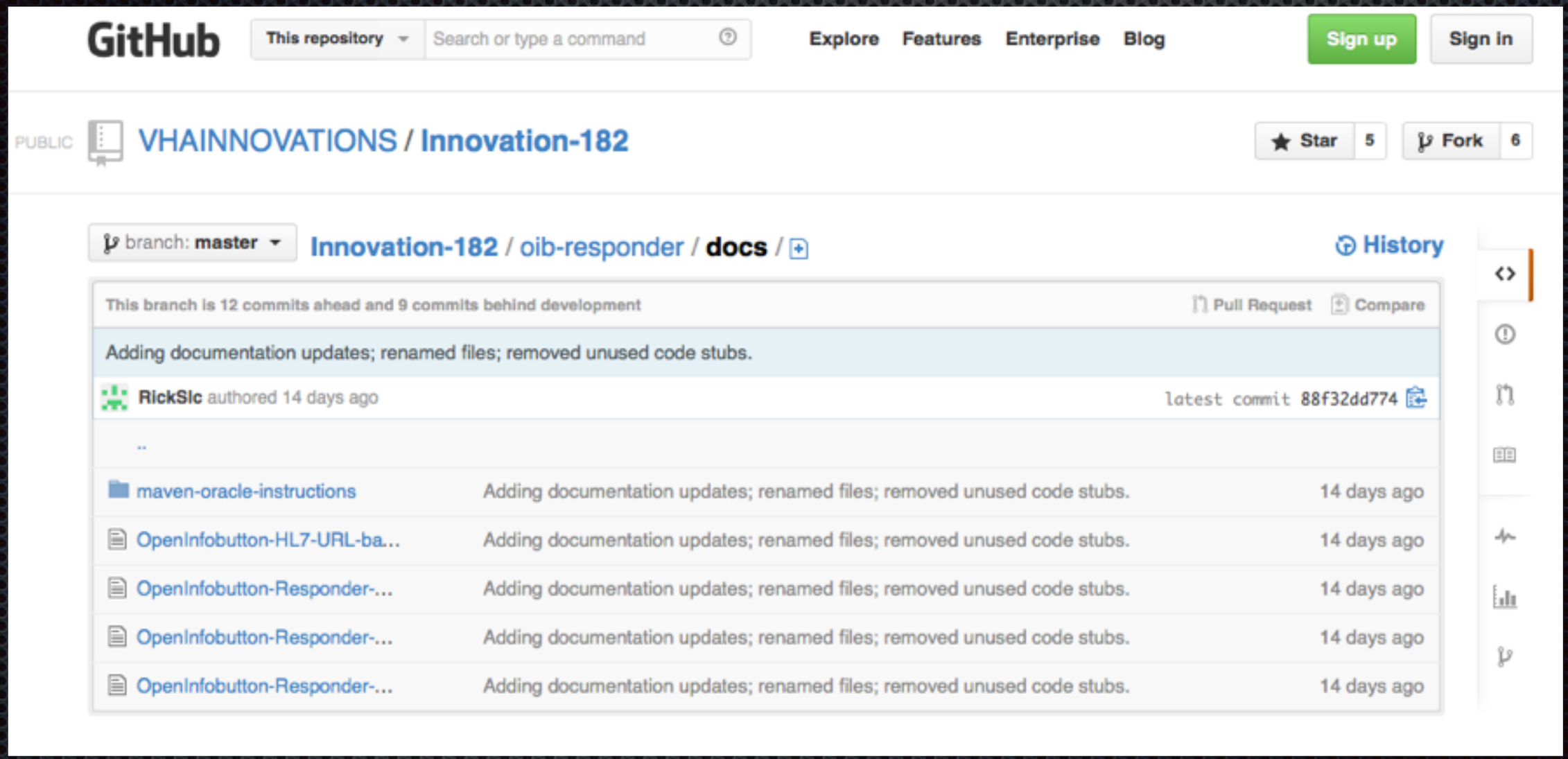
- Review and validate that all dependency library licenses are Open Source
  - Apache 2.0, GPL v2.0 & 3.0, LGPL, …
- Clearly state the license in the new software
  - Apache 2.0

http://opensource.org

Documentation

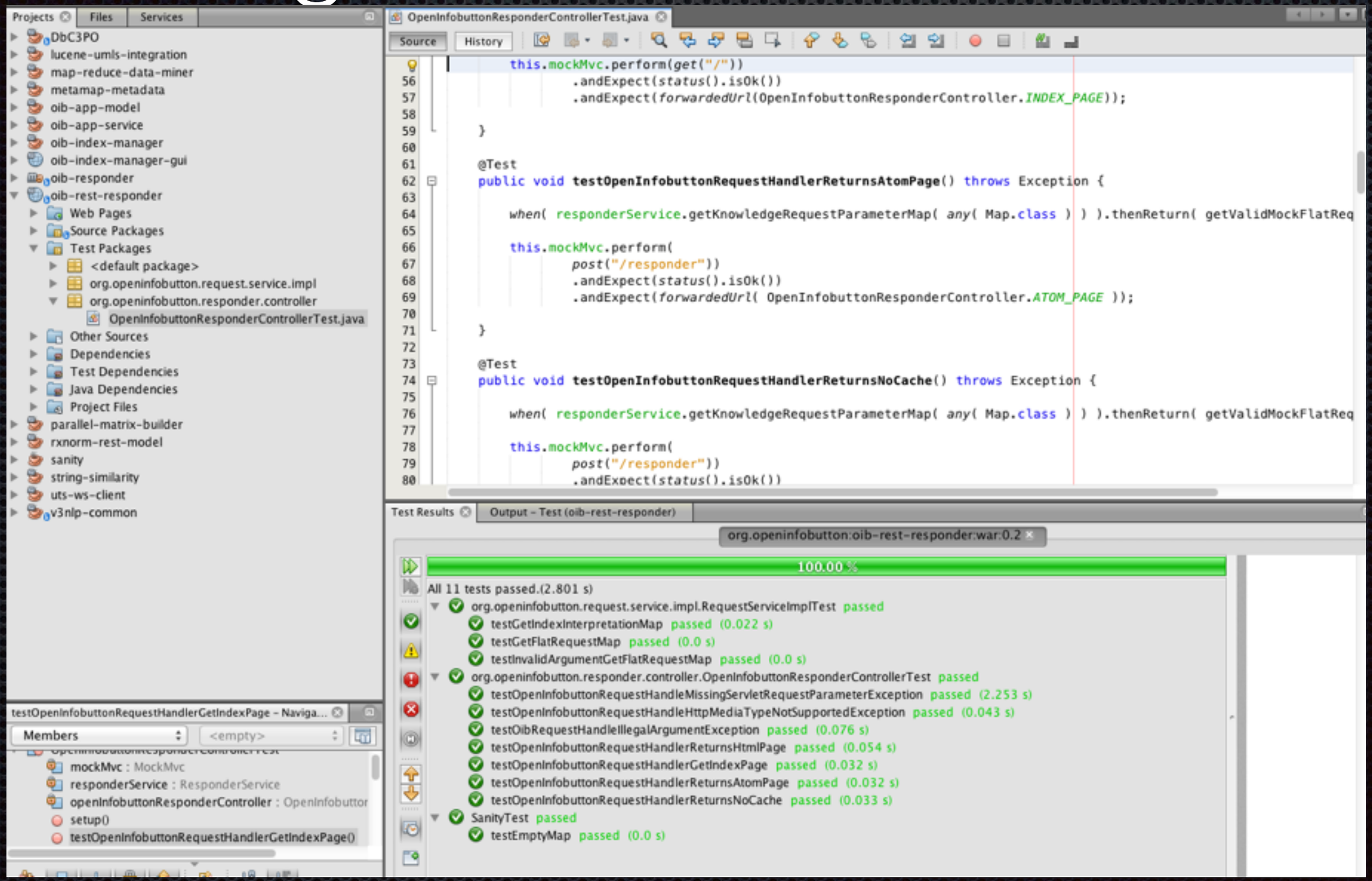
- Requirements
  - Intended purpose - HL7 specification
  - Implementation-specific logic
- Installation instructions
- Testing instructions

Documentation @ GitHub



https://github.com/VHAINNOVATIONS/Innovation-182/tree/master/Manuals
https://github.com/VHAINNOVATIONS/Innovation-182/tree/master/oib-responder/docs

Testing - Java IDE



Automated Tests - OSEHRA

- Java tests integrated with CMake - OSEHRA's build & test framework
- OSEHRA CMake Dashboard

Login All Dashboards — Wednesday, May 08 2013 09:01:29 CDT

OSEHRA **Open Source EHR**

Dashboard Calendar Previous Current Project

No update data as of **Wednesday, May 08 2013 - 00:00 CDT** — Show Filters Advanced View Auto-refresh Help

Nightly Expected

Site	Build Name	Update	Configure		Build		Test			Build Time
		Files	Error	Warn	Error	Warn	Not Run	Fail	Pass	
osehravm1.kitware	Ubuntu11.10-GTM5.4	0	0	1	0	0	0	71	76	4 hours ago
TUCHANKA.kitware	Win32-Cache	0	0	1	0	1	0	68 +3	80 -4	5 hours ago
osehra-dashboard.krminc.com	Centos5.7_x64-Cache	0			0	0	0	0	0	8 hours ago

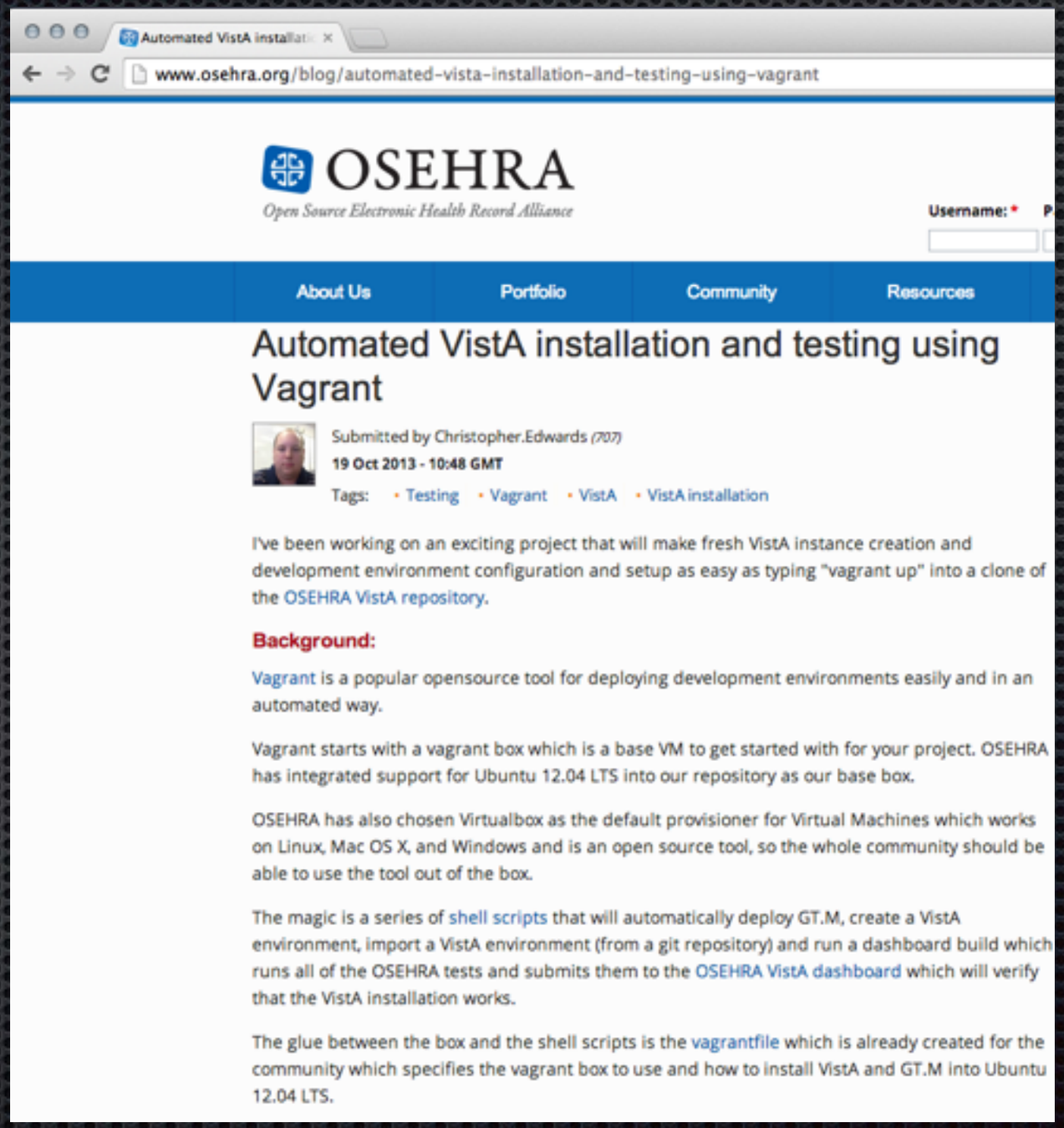
Nightly

Site	Build Name	Update	Configure		Build		Test			Build Time
		Files	Error	Warn	Error	Warn	Not Run	Fail	Pass	
osehravm2.kitware	Ubuntu13.04-GTM6.1	0	0	1	0	0	0	73	70	8 hours ago
osehravm2.kitware	Ubuntu13.04-GTM6.1-SupressedWarnings	0	0	1	0	0	0	70	73	4 hours ago
osehravm1.kitware	Ubuntu11.10-GTM5.4-SupressedWarnings	0	0	1	0	0	0	68 +68	79 +79	8 hours ago
TUCHANKA.kitware	Win32-Cache-SupressedWarnings	0	0	1	0	1	0	62 -2	86 +2	8 hours ago

Experimental

Site	Build Name	Update	Configure		Build		Test			Build Time
		Files	Error	Warn	Error	Warn	Not Run	Fail	Pass	
PALAVEN	Win32-Cache-VAEnterpriseIncrement2		0	0	0	1	0	9 +7	15 -1	3 hours ago
TUCHANKA	Win32-Delphi-CPRSv28		0	0	0	50	0	0	1	4 hours ago

OSEHRA's VistA VM



Code Review

- Engineer(s) manually reviews the code
- Status: OIB Code submitted. Patiently waiting …