



VocBENCH 3.0



DLV-3.1 Test execution and report
Version 01.01
February 2017

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DOCUMENT HISTORY

Version	Date	Author	Description	Action ^(*)	Confidentiality	Pages
V01.00			Initial version	C		
V01.01	07/02/2017	C.Laaboudi-Spoiden	Results of the tests executed after the intermediate delivery			

(*) Action: C= Creation, I=Insert, U=Update, R=Replace, D=Delete

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SUMMARY

This document describes the testing scenarios used to validate the VocBench 3.0 application



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1 GLOSSARY

The following concepts are regularly used in this document:

English abbreviation	French abbreviation	Description
ST		Semantic Turkey
VB3		Vocbench 3

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2 INTRODUCTION

The purpose of this document is to present and thoroughly describe the test plan used to verify what is expected in the VocBench - application version 3.0

Uses cases described in the functional analysis are transcribed into different scenarios. The tests results are presented in order to show all functionality issues.

3 SUMMARY OF CASES

The current test plan is covering all the basic functionalities of VB3

1. VocBench Initialization
2. Testing project creation in VocBench with the embedded RDF4J triple store
3. Testing project creation in VocBench with a remote GraphDB triple store
4. Testing viewing/editing functionalities in VocBench, as foreseen by the Test Procedure document
5. Testing viewing/editing advanced functionalities in VocBench not covered by the Test Procedure document
 - Collection
 - Integrity Constraint Validator
 - Alignment Validation
 - Custom Range configuration

4 TESTS PLANNING AND RESULTS

4.1 Planning



Phase	Start date	End date
Initialization repository	07/12/2016	07/12/2016
Software installation	30/01/2017	06/02/2017
Test plan	06/02/2017	07/02/2017

4.2 Results

Results of the tests can be put into this document. Please use the following legend to define the result of the test and in case of non-working functionality, the severity of the problem:

- OK: test OK
- NOK: test not ok: in that case, please use the following severity coding:
 - K1: Blocking problem - Critical (impact on delivery)

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- K2 : Non-Blocking problem but high priority for correction
- K3 : Tolerated problem – low priority for correction
- K4: New feature

Complementary levels can be added such as reproducibility with values such systematic or sporadic problem.

General comment and conclusion can be added at the end of each test. Please add date and name of the tester to ensure follow-up and history.



Note: for any NOK functionality or bug, a complementary form is available to ensure a complete follow-up of reporting. The form is available in Annex II.

5 TESTING ENVIRONMENT

Please refer to the *Installation_Manual_VocBench_3.0_v1.2* for the list of the required software objects and their minimum versions.

The configuration adopted in the specific testing environment is:

SOFTWARE ADOPTED IN THE TESTS		
Software	Version	Comments
OS	Windows 10	Also tested on Windows 7, 8 and Linux Ubuntu
Java	1.8.0_121-b13	
Node.js	5.4.1	
NPM	3.3.12	This is simply the version of NPM bundled with the Node.js above
Tomcat	8.5.11	both 7.x and 8.x are ok. Specifically tested on versions 7.0.52, 8.0.27 and 8.5.11. All tests have been checked against 8.5.11
Chrome	55.0.2883.87 m	The Angular 2 framework is new, and while they guarantee 100% compatibility with Chrome (in “version” we report the adopted version, but we observed no issue with many different versions), other browsers are more easily exposed to compatibility issues especially while the framework is under active development. Firefox is also reported to work properly, but not 100% guaranteed. Edge has several issues with the UI.
GraphDB	8.0.2	As specified in the Installation Manual, this pre-release of VB3 is not certified for use with GraphDB nor for offering the performances required for browsing/editing the Eurovoc thesaurus. Some of the tests described below have however been successfully performed on GraphDB.
Semantic Turkey	Version released PATCHED distribution	semanticturkey-<VER>_PATCHED.zip

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In the tests reported here, ST, GraphDB and the Web Client are on the same machine. Please refer to the Installation Manual for setting the host configuration in VB3 when it needs to be setup on a server being accessed by remote clients.

Please note that several tests have been conducted with different operating systems and different versions of the above, as certified in the mentioned installation manual. The configuration above is however the one certified for the specific tests reported here

5.1 The Triple Store

There has been a positive experimentation with GraphDB 8.0.2, 7.0.1 and 6.6.2 (no particular configuration, just started with the graphdb/graphdb.cmd batch files), free version, where we have:

- Created a repository from the GraphDB workbench (no particular configuration of the repository, and rule-set set to: OWL-Horst (optimized)
- Created a SKOSXL project in VB3, with a remote configuration connecting to the above repository; this will initialize the repo by loading all definition ontologies: RDFS, OWL, SKOS and SKOSXL into it.
- Loaded the Eurovoc dataset (preferably from the GraphDB workbench) into the repository

At the time of writing, we have experimented GraphDB incompatibility with RDF4J for what concerns remote creation of a repository; however, this functionality is not yet available in VB3, which is only limited to create a project which can remotely connect to an existing repository on the triple store. Please refer to the “Test Procedure” document for the details.

5.2 Disk space and PC configuration

- 2Gb free space on the hard drive. Actually the requested space is ~1Gb, including all the software, data and specifically the Eurovoc distribution mentioned in test VB3-15. The demand of disk memory can however increase depending on additionally loaded data.
- The client tools are best used with a colour screen with a resolution of at least 1240x768 pixels.
- A working network connection is necessary for fully exploiting the web-import capabilities of VocBench 3, however local tests are also possible (all tests on the “Test Procedure” document are based on a local installation).



6 VOCBENCH TEST CASES

The following cases address scenarios from both the Test Procedure and other extra cases taken after the other functionalities of VocBench (see point 5 of section 3). Test cases from the Test Procedure document are named: VB3-<n> with <n> being the number of the case (from 1 to 15).

6.1 VocBench Initialization

This is covered by test cases : VB3-1 and VB3-2

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Target	➤	
Context/Tool	PC with Window 10, connected to the test server hosted on the same machine	
Pre requirement	See "Test Procedure" document	
Reference info	Use case: VB3-1, 2	User's manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3) code
1	Follow instructions as for the test cases	OK	

Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK	<input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN		Date of test: 06/02/2017

6.2 Testing project creation in VocBench with the embedded RDF4J triple store



This is covered by test cases : VB3-3, 4, 5

Target	➤	
Context/Tool	PC with Window 10, connected to the test server hosted on the same machine	
Pre requirement	See "Test Procedure" document	
Reference info	Use case: VB3-3, 4, 5	User's manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3) code
1	Follow instructions as for the test cases	OK	

Test conclusion (general comments) (date+ tester)		
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Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK	<input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN		Date of test: 06/02/2017

6.3 Testing project creation in VocBench with a remote GraphDB triple store



This is covered by test cases : VB3-6

Target	➤	
Context/Tool	PC with Window 10, connected to the test server hosted on the same machine	
Pre requirement	See "Test Procedure" document	
Reference info	Use case: VB3-6	User's manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3)	code
1	Follow instructions as for the test cases	OK		

Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK	<input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN		Date of test: 06/02/2017
<p><i>Access to GraphDB is still not fully optimized. This is pretty normal and due to foreseen old services from the previous version of Semantic Turkey that have been reused in order to provide a wide user experience for the early December release. The Class section should not be accessed in a project accessed through GraphDB with reasoning activated. The Property section on the contrary is working, but it's entirely API-based, and not based on SPARQL, plus the property tree is retrieved entirely with a single service call and not progressively as for the other resource trees: this implies several API calls, which particularly impact performances if the triple store is not embedded.</i></p> <p><i>However, the concept tree and concept details view (which have been rewritten specifically for the new application) benefit from the higher performance provided by GraphDB (see execution of test VB3-15 ahead).</i></p>		

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6.4 Testing check owl project content

This is covered by test cases : VB3-7

Target	➤	
Context/Tool	PC with Window 10, connected to the test server hosted on the same machine	
Pre requirement	See “Test Procedure” document	
Reference info	Use case: VB3-8	User’s manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3) code
1	Follow instructions as for the test cases	OK	



Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK <input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic	
Tester name: Christine LAABOUDI-SPOIDEN		Date of test: 06/02/2017

6.5 Testing check remote skosxl empty project content

Pre requirement	See “Test Procedure” document	
Reference info	Use case: VB3-9	User’s manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3) code
1	Follow instructions as for the test cases	OK	

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Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK	<input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN		Date of test: 06/02/2017

6.6 Testing editing content in SKOSXL

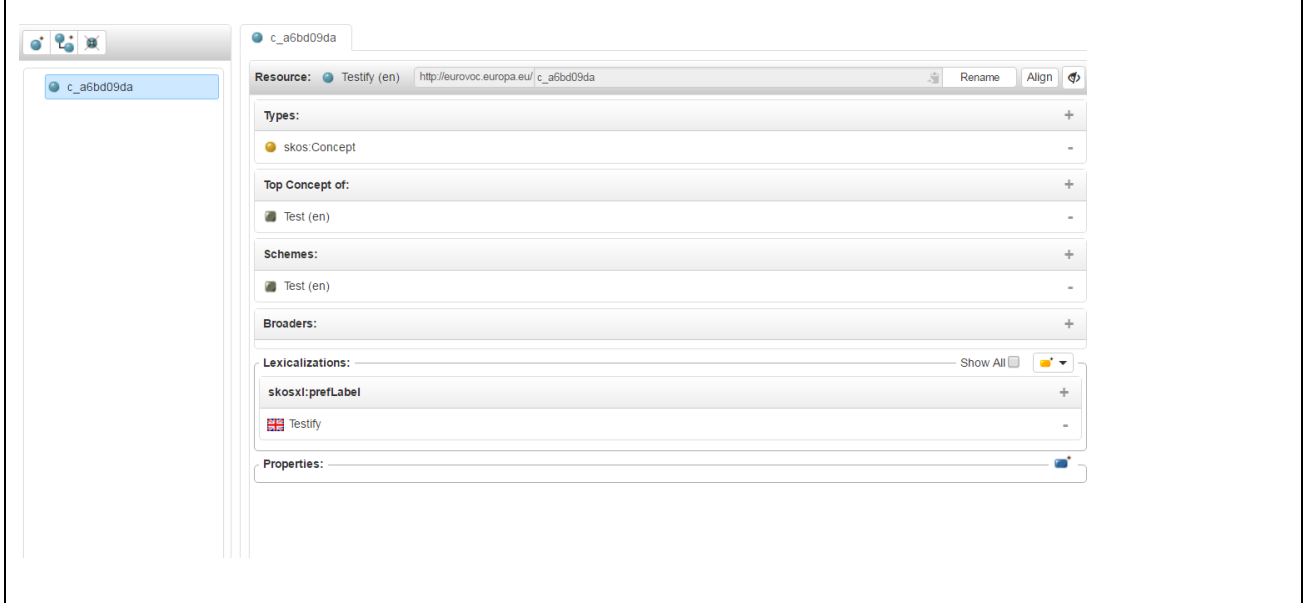
Pre requirement	See "Test Procedure" document	
Reference info	Use case: VB3-10	User's manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3) code
1	Follow instructions as for the test cases	OK	

Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK	<input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN		Date of test: 06/02/2017
<i>Remark: The new concept label is stored as "skosxl:prefLabel". The value of skos:prefLabel is not updated automatically. As a result, the concept label is not shown in the left part (navigation).</i>		

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Test conclusion (general comments) (date+ tester)





6.7 Testing sparql querying

Pre requirement	See “Test Procedure” document	
Reference info	Use case: VB3-11	User’s manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3)	code
1	Follow instructions as for the test cases	OK		

Test conclusion (general comments) (date+ tester)

<input checked="" type="checkbox"/> OK <input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN	Date of test: 06/02/2017

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Test conclusion (general comments) (date+ tester)

6.8 Testing sparql update

Pre requirement	See "Test Procedure" document	
Reference info	Use case: VB3-12	User's manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3)	code
1	Follow instructions as for the test cases	OK		



Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK	<input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN		Date of test: 06/02/2017
<i>NOT OK in OP environment due to the access right for updating in GraphDB.</i>		

6.9 Testing sparql update



Pre requirement	See "Test Procedure" document	
Reference info	Use case: VB3-13	User's manual:
Additional/background information		

Steps	Action	Results (OK-NOK)	Severity (see Chapter 3)	code
1	Follow instructions as for the test cases	OK		

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Test conclusion (general comments) (date+ tester)		
<input checked="" type="checkbox"/> OK	<input type="checkbox"/> NOT OK	Blocking? <input type="checkbox"/> Yes <input type="checkbox"/> No Critical? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Systematic <input type="checkbox"/> Sporadic
Tester name: Christine LAABOUDI-SPOIDEN	Date of test: 06/02/2017	

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