

## D2.5.1: VIP software release

Rafael Ferreira da Silva and Tristan Glatard

### **Abstract**

This deliverable reports on the VIP software release. VIP releases have been continuously available since the beginning of the project. VIP software versioning is done by sequence-based identifiers, where for each software release a unique identifier that consists of a sequence of number is assigned. Releases are managed by a project management web application (Redmine - <http://www.redmine.org>), and are delivered twice a month in average.

## Contents

1	Introduction	2
2	Software versioning	2
3	Software management	2
4	Releases	3
5	Conclusion	4

## 1 Introduction

This deliverable reports on the VIP software release. VIP releases have been continuously available since the beginning of the project. VIP release comprises VIP portal (VIP client, see *D2.3.4: VIP client to semantic and execution services*), GASW (see *D2.2.1: Robust and efficient job execution service*) application wrapper, and GRIDA<sup>1</sup> data management. It also depends on MOTEUR, NeuSemStore and OntoVIP released in *D1.1.1: Final ontologies*. VIP software versioning is done by sequence-based identifiers, where for each software release a unique identifier that consists of a sequence of number is assigned. Releases are managed by a project management web application (Redmine<sup>2</sup>), and are delivered twice a month in average.

## 2 Software versioning

Versioning scheme in VIP is done by sequence-based identifiers. Each software release is assigned to a unique identifier that consists of a sequences of numbers: *major*, *minor* and *revision*. The *major* number denotes significant jumps in functionality, the *minor* number denotes minor features or a set of significant fixes, and *revision* number denotes minor bugs fixes. Thus, a version is defined as *major.minor.revision*. Figure 1 shows an example of sequence-based versioning scheme.

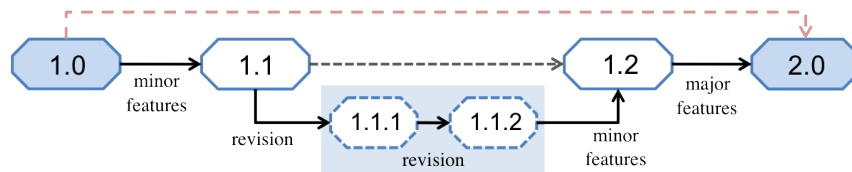


Figure 1: Example of a sequence-based versioning scheme.

## 3 Software management

VIP relies on Redmine project management tool to control software development. Redmine is a free and open source, web-based project management and bug-tracking tool (a.k.a.

<sup>1</sup><http://kingkong.grid.creatis.insa-lyon.fr:9002/projects/vletagent>

<sup>2</sup><http://www.redmine.org>

issue-tracking tool). A bug tracking system is a software application that is designed to help quality assurance and programmers keep track of reported software bugs in their work. Table 1 shows the current status of VIP bug-tracking system<sup>3</sup>.

Tracker	Opened	Closed	Total
Bug	26	247	273
Feature	37	310	347
Support	2	7	9
Research	3	3	6
Integration	0	1	1
Deployment	0	1	1
Total	68	569	637

Table 1: Summary of VIP issues on Redmine.

Release goals are represented by roadmap plans. New issues are assigned to an unplanned release. Periodically, the project manager defines a version and assigns unplanned issues to it. Figure 2 presents a screenshot of VIP release management page<sup>4</sup> on Redmine.

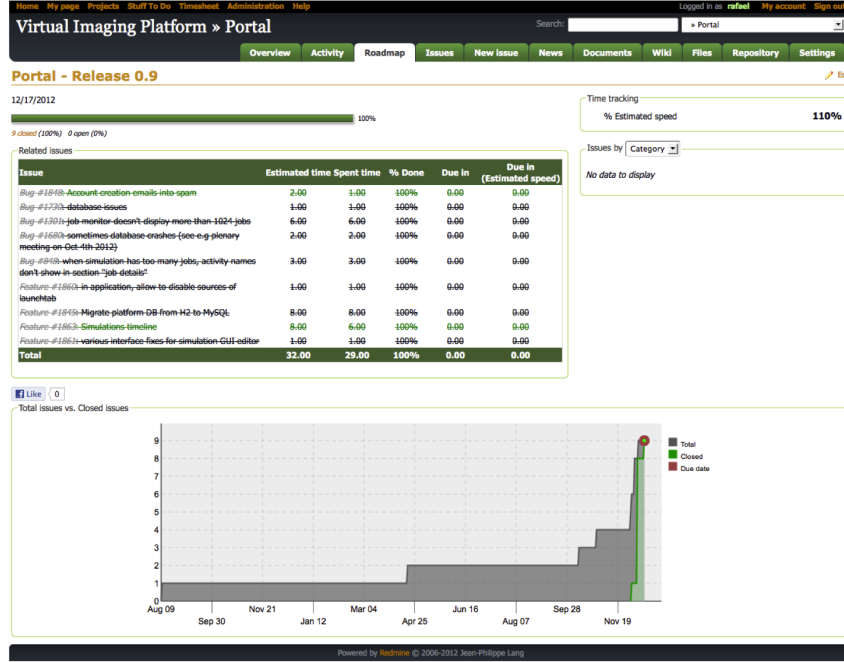


Figure 2: Screenshot of VIP release management page on Redmine.

## 4 Releases

VIP software is released about twice a month in average. A release comprises VIP portal, MOTEUR workflow management, and GRIDA data management. Each release also comes with its documentation available on the project's Wiki page<sup>5</sup>. To date, 36 VIP software releases were delivered, of which 9 are *minor* versions and 27 are *revision* versions. Table 2

<sup>3</sup><http://vip.creatis.insa-lyon.fr:9002/projects/platform/issues>

<sup>4</sup><http://vip.creatis.insa-lyon.fr:9002/projects/platform/roadmap>

<sup>5</sup><http://vip.creatis.insa-lyon.fr:9002/projects/platform/wiki>

shows all VIP software versions and their release dates, as well the number of main minor features and bug fixes for each release. Source codes for each release are also tagged and available for consultation on VIP SVN<sup>6</sup>.

Version	Release Date	Minor Features	Bug Fixes	Comments
0.1	02/17/2011	22	0	
0.2	04/20/2011	27	4	
0.2.1	05/24/2011	0	1	
0.3	06/01/2011	19	2	VIP Models (using NeuSemStore)
0.3.1	06/08/2011	2	3	
0.3.2	06/15/2011	0	2	
0.3.3	07/12/2011	0	1	
0.4	08/01/2011	17	8	VIP Simulation Interface
0.4.1	08/05/2011	0	1	
0.4.2	08/29/2011	0	3	
0.4.3	09/09/2011	1	3	
0.4.4	09/16/2011	2	2	
0.5	10/21/2011	28	4	Support to robot certificate
0.5.1	11/02/2011	4	5	
0.5.2	11/29/2011	5	2	
0.5.3	12/07/2011	3	4	
0.5.4	12/27/2011	2	3	
0.6	01/09/2012	23	2	VIP Messages
0.7	01/30/2012	26	2	
0.7.1	02/28/2012	2	5	
0.7.2	03/06/2012	5	3	
0.7.3	03/16/2012	3	4	
0.7.4	03/26/2012	1	11	Account recovery
0.7.5	04/06/2012	1	11	Relaunch simulation
0.7.6	04/26/2012	2	10	
0.7.7	06/06/2012	3	9	
0.7.8	06/25/2012	2	8	
0.8	07/10/2012	18	2	GASW 1.0
0.8.1	07/20/2012	1	3	
0.8.2	07/27/2012	2	7	CAS authentication
0.8.3	08/20/2012	0	6	
0.8.6	10/08/2012	0	9	
0.8.7	10/17/2012	2	12	
0.8.8	10/22/2012	1	11	
0.9	12/17/2012	24	5	VIP Semantic (using NeuSemStore)
0.9.1	12/27/2012	2	17	
Total		250	185	

Table 2: Summary of VIP software releases.

## 5 Conclusion

VIP software releases are managed by a web-based project management tool which provides, among others, issue-tracking, roadmap and wiki tools. Versioning scheme is done by sequence of numbers: *major*, *minor* and *revision*. To date, 36 VIP releases are freely available to the community, which involves 250 features and 185 bug fixes.

<sup>6</sup><http://vip.creatis.insa-lyon.fr:9002/projects/platform/repository>