

IST Amigo Project  
Deliverable D9.5  
**Web site for sharing open  
source software developed  
within Amigo**

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## Abstract

This report outlines the open source software repository used for sharing the software developed within the Amigo project.

## Keyword list

Source Code Management, GForge, Subversion

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# 1 Amigo open source software repository

This report provides an outline of the Amigo open source software repository that is used to share the software developed within the Amigo project and the related documentation. The Amigo open source software repository is based on the GForge technology<sup>1</sup> and is composed of two spaces:

1. The *Amigo OSS Repository - Source Code Management (SCM)* available at the address <http://gforge.inria.fr/projects/amigo/> is a private space restricted only to Amigo partners and used for source code versioning.
2. The *Amigo OSS Repository - Public Web Site* available at the address <http://amigo.gforge.inria.fr/home/index.html> is a public space that provides an overview of the components developed in Amigo with their software code and related documentation.

Section 1.1 describes how a partner can get access to the repository SCM, Section 1.2 describes the structure of the repository SCM, and finally Section 1.3 describes the public Web site.

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<sup>1</sup> <http://gforge.org/>

## 1.1 Amigo OSS repository – SCM

The Amigo software developed within the project is available for all project partners on a repository available at the address <https://gforge.inria.fr/projects/amigo> (see Figure 1).

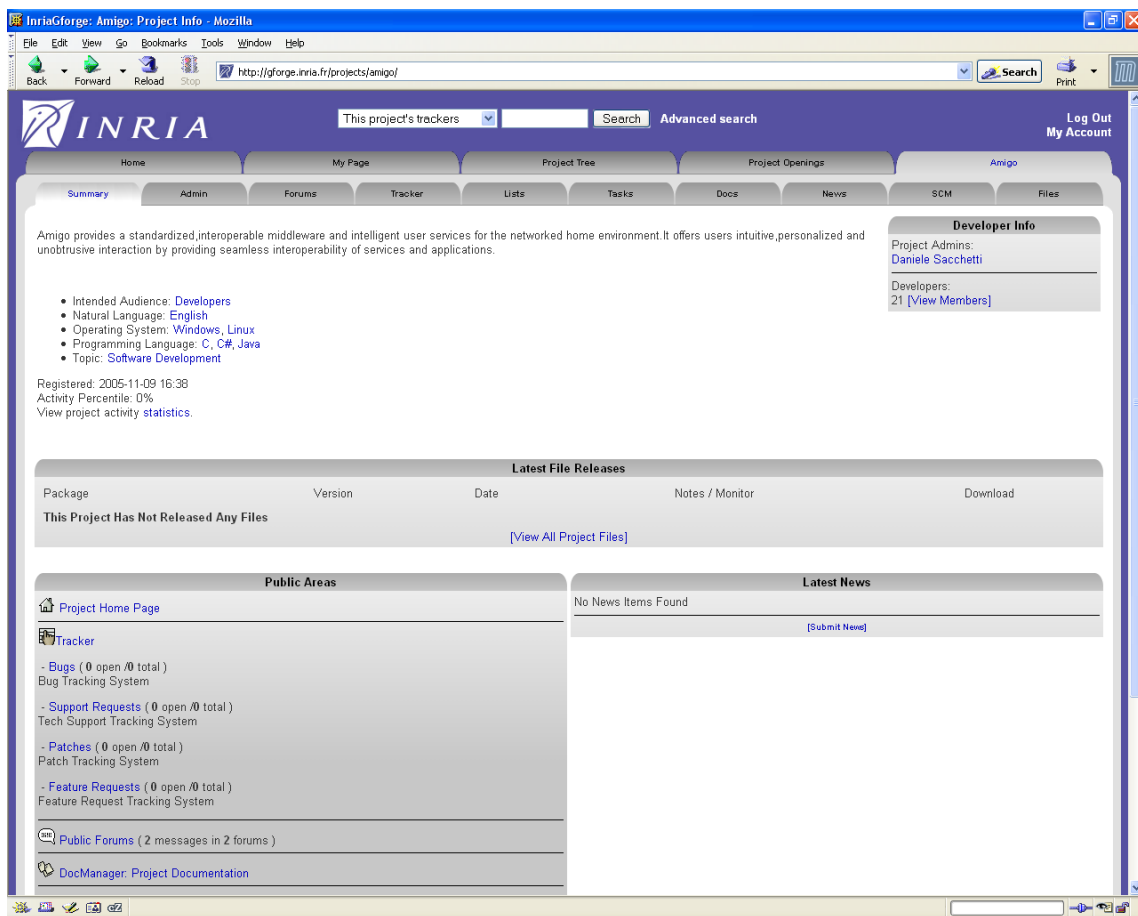


Figure 1: Amigo Open Source Software Repository - SCM

To get access to the space of the repository, partners must follow the subscription procedure:

- Go to the address <https://gforge.inria.fr/account/register.php> and register with a login and password;
- Confirm the subscription at the link sent by email by GForge;
- Send email to [daniele.sacchetti@inria.fr](mailto:daniele.sacchetti@inria.fr) specifying the login to be subscribed to the Amigo project.

## 1.2 Amigo OSS repository – SCM source code structure

The repository SCM is based on GForge. GForge provides tools to help team collaboration, like message forums and mailing lists; tools to create and control access to Source Code Management repositories like CVS and Subversion. GForge automatically creates a repository and controls access to it depending on the role settings of the project.

For the Source Code Management of the Amigo project, the selected technology is Subversion<sup>2</sup>.

<sup>2</sup> <http://subversion.tigris.org/>

Figure 2 shows the structure of the Amigo project source code repository.

```
/mdwcore
/mdwcore/sdi_sii
/mdwcore/domotics
/mdwcore/qos

/basemdw
/basemdw/ontology
/basemdw/discovery
/basemdw/composition
/basemdw/security
/basemdw/content
/basemdw/datastore
/basemdw/location
/basemdw/accounting

/deployframework
/deployframework/osgi
/deployframework/dotnet

/ius
/ius/awareness_notification
/ius/privacy_security
/ius/context_mgmt
/ius/context_mgmt/common
/ius/context_mgmt/context_source
/ius/context_mgmt/context_broker
/ius/context_mgmt/context_histories
/ius/context_mgmt/context_wrapper
/ius/context_mgmt/comfort_sensor
/ius/context_mgmt/household_appliance
/ius/context_mgmt/acoustic_positioning
/ius/context_mgmt/topic_recognizer
/ius/context_mgmt/context_interpreter
/ius/context_mgmt/rf_positioning
/ius/context_mgmt/amiloc_positioning
/ius/user_interface
/ius/user_interface/common
/ius/user_interface/voice_service
/ius/user_interface/voice_service/common
/ius/user_interface/voice_service/signal_acquisition_and_preprocessing
/ius/user_interface/voice_service/explicit_speech_interaction
/ius/user_interface/voice_service/implicit_speech_input
/ius/user_interface/voice_service/single_channel_speech_enhancement
/ius/user_interface/voice_service/multi_channel_speech_enhancement
/ius/user_interface/voice_service/acoustic_scene_analysis_service
/ius/user_interface/gesture_service
/ius/user_interface/gesture_service/common
/ius/user_interface/gesture_service/2D_gesture_service
/ius/user_interface/gesture_service/3D_gesture_service
/ius/user_interface/GUI_service
/ius/user_interface/GUI_service/common
/ius/user_interface/multimodal_dialog_manager
/ius/user_interface/multimodal_fusion
/ius/user_interface/multidevice_service
/ius/user_modeling
/ius/user_modeling/common
/ius/user_modeling/reasoning_module
```

```
/ius/user_modeling/context_module
/ius/user_modeling/feedback_analyzer
/ius/user_modeling/static_modeler
/ius/user_modeling/dynamic_modeler
/ius/user_modeling/dynamic_modeler/stereotypes_activator
/ius/user_modeling/dynamic_modeler/multimedia_dynamic_modeler
/ius/user_modeling/dynamic_modeler/speech_dynamic_modeler
/ius/user_modeling/dynamic_modeler/automatic_updater
/ius/user_modeling/multiprofile_aggregator
```

*Figure 2: Structure of the source code repository*

The components that consist of subcomponents based on different technologies and languages or developed by different partners have been organized into subdirectories: one subdirectory for each subcomponent and a `common` directory that contains APIs and everything that must be shared among all the subcomponents.

Each component and subcomponent directory is divided in three subdirectories: `trunk` (source code versioning), `tags` (used for software releases) and `branches` (used to maintain parallel development copies, for example for bug fixes).

Besides software components, this repository is also used for the ontologies developed within Amigo.

### 1.3 Amigo OSS repository – Public Web Site

The Public Web Site at the address <http://amigo.gforge.inria.fr/home/index.html> provides the following information for each WP3 and WP4 component (or ontology):

- A page (public access) with the general description of the component (Provider, Development status, Intended audience, License, Language, Environment, Platform, Tools, Files, Tasks, Bugs, Patches);
- The User's and Software Developer's Guides (access restricted for the moment to Amigo partners with a login and a password);
- A link to a download page (access restricted for the moment to Amigo partners with a login and a password).

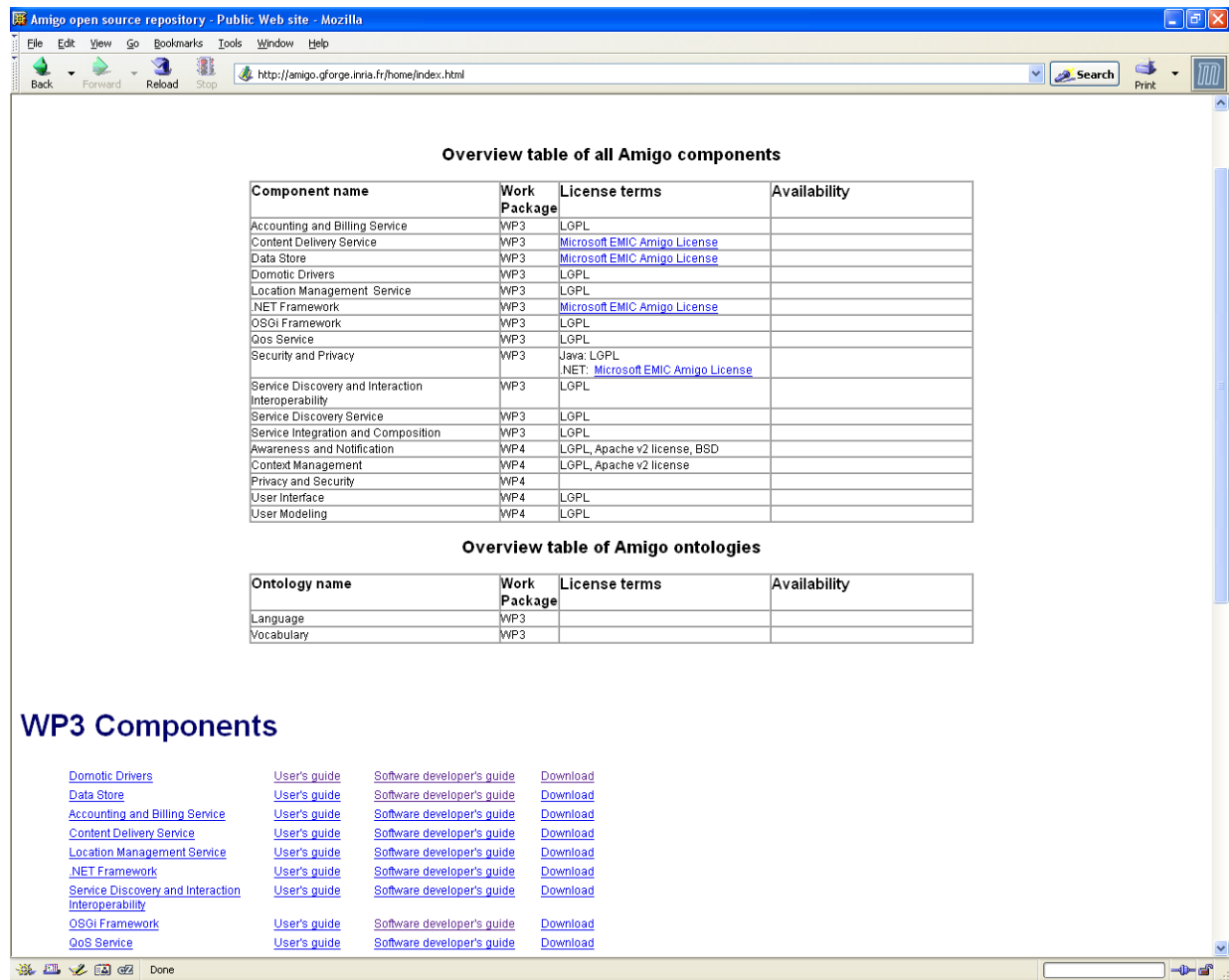


Figure 3: Amigo Open Source Software Repository - Public Web Site