

Introduction

What is a Forge?

- A Forge is a collaborative development environment aimed at the software development community.
- It provides a fully configured development system :
 - with versioning, bug tracking, task manager
 - a project web site,
 - tools for communication between members of a development team,
 - tools for communication with the users and for software distribution
- Technically, a forge is a glue of scripts combining several services (apache, cvs, mailing-list, access with ssh and open-ssl,...)
- Various Forge implementations
 - Sourceforge: sourceforge.net
 - GForge : gforge.org
 - Savannah : savannah.gnu.org
- [List of some sites](#) using GForge

What is InriaGForge ?

- [InriaGForge](#) : a Gforge available for Inria developpers

Tutorial Site Map

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Getting Started (1)

InriaGForge Home Page : <http://gforge.inria.fr>

InriaGForge Home Page

Getting Started (2)

Without being a registered user

- Navigate through the given tabs and links
- Access [Public Projects pages](#)
- Search for a given project/person/skill

Important

only **PUBLIC** projects/skill profiles are accessible (and thus searchable)

InriaGForge Search User

InriaGForge User Page

User Site Registration

Prerequisites

Work **WITH** or **IN** an Inria Research Team

Read and Accept the [InriaGForge rules/charter](#)

User Registration

- Three ways to create a new user account :
 - Click on "My Page Tab" (see on picture below)
 - Click on the "New Account Link" (see on picture below)
 - From InriaGForge Home Page, click on the "User Site Registration Link"
- Fill out the registration form
- Do Not forget to fill in all the field marked with * as they are mandatory

NB

Confirmation for account creation is sent by email

InriaGForge User Registration Page

User Homepage

Prerequisite

Be registered as a Site User

User Homepage

Two ways to log in :

- Click on the "My Page" Tab (see on picture below)
- Click on the "Log in" Link (see on picture below)

InriaGForge User Login

Once you are logged in, two ways to access your "User Homepage" :

- Click on the "My Page" Tab (see on picture below)
- Click on the "My Account" Link (see on picture below)

InriaGForge User Account

The User homepage contains a list of all open activities/tracker items:

My Assigned Items

This list shows the Tracker items assigned to you. Only open (ie unfinished) items are listed here.

Clicking on an item number, shows you the item details. The items are ordered by priority (5: highest priority, 1: lowest priority).

My Submitted Items

This list shows the Tracker items submitted by you. Only open (ie unfinished) items are listed here.

Clicking on the item number, shows you the item details. The items are ordered by priority (5: highest priority, 1: lowest priority).

Monitored Forums

This list shows the Forums you are monitoring.

Monitored FileModules

This list shows the FileModules you are monitoring.

Quick Survey

This box shows the open surveys. The survey will be displayed directly in the Survey box.

Imp: InriaGForge disables the survey service.

My Bookmarks

This list shows your bookmarked pages. When you click on a bookmark, you go directly to the associated page. When you click on "Edit", you can edit or delete the bookmark.

My Projects

This list shows the active projects that you are participating in. When you click on a project, you go to the project summary.

Pending News Bytes

This section lists the News that needs to be approved by you.

Changing User Settings

Manage user Settings

Click on "Account Maintenance" hyperlink on your user homepage.

You can change any data you entered when you registered as user except:

- Registration date (Member since)
- User Id
- Login name

InriaGForge User Account Maintenance

Managing SSH Keys

Shell account and SSH public key upload

From the "[Account Maintenance](#)" page

- Go to "Shell Account Information" section
- Click on "[Edit Keys](#)" link
- Paste your ssh public key

InriaGForge Project Page

Rating and Skills

User rating

You can be rated by other users and you can rate other users. Every time you go to the detail of a user, you

can rate that user.

Ratings can be given for:

- Teamwork/Attitude
- Coding
- Design/Architecture
- Follow-Through/Reliability
- Leadership/Management

Skills profile

In this section you can add to your skill list. You can decide to make your skills profile either public (visible to all) or private (for your eyes only).

The different categories of information are :

- Language
- Level of experience (Beginner, Master, Expert)
- Duration of experience (6 months, 1 year, 5 years)

Diary and Notes

The Diary and Notes section allows you to keep a simple agenda. You can insert a subject and a description of the item and then decide/declare the item public or private.

If the item is public, every GForge user can view and monitor this item.

Project Related Pages

You can access a project's software pages:

- Using the [search functionality](#) (**no need to be logged in** if searching **PUBLIC** projects)
- From [your User Home Page](#)
 - select one project within the "My Projects" section (**need to be logged in**)

InriaGForge Project Page

The project summary shows information about the current project. The following information is displayed:

Project description and statistics

Description of the project and some statistics about it

Project administrators and members

List of the developers involved in the project

Latest file releases

Project related files that can be downloaded

Public areas

For each Gforge tool , summary information is displayed :

e.g. Public Forums (3 message in 2 forums), Mailing Lists (1 public mailing list)

News

Latest news of the project.

Creating your collaborative project

Prerequisite

Be registered as a InriaGForge site user

Registering a new project

Two ways to register a new project :

- From your User Home page (see "My Page" Tab), click on the "Register Project" Link
- From the InriaGForge Home Page, click on Register Your Project Link

Filling out the Project Registration form

- Give the name and description of the project and what Inria team is involved in it.
- Choose a type of Licence
 - Help on the licences can be found at Inria DTI (restricted access link)
 - This can be changed later on through the Project Admin Page
- Choose a versionning tool
 - CVS
 - Subversion

Beware

Once you choose a tool, the switching to another one is not allowed.

- Choose which visibility for your project among the InriaGForge
 - Public
 - Private : only the project members can access to the project related pages

NB:

This can be changed later asking the InriaGForge administrator

The Admin Page

Prerequisite

Be a project member who has been granted administrator privileges.

By default, the person who initially registers the project is given administrator privileges.

The "Project Admin" web page

From this page, all the project administration is done. To go there :

- Log into InriaGForge
- Select the project from your User Personal Page
 - This will bring you to the Project Summary page
- Select the "Project Admin" Tab

Important

The "Project Admin" page can only be accessed by project members who have been granted administrator privileges.

InriaGForge Project Admin Page

Administrating a project

Prerequisite

Be a project member who has been granted administrator privileges.

By default, the person who initially registers the project is given administrator privileges.

Usage

Through the "Project Admin" Page, you are shown with links to different task: Admin, User Permissions, Edit Public Info, Project History, VHOSTS, Post Jobs, Edit Jobs, Edit MultiMedia Data, Database Admin. In particular, this is where you can

- Enable or disable services for your project
- Add users to your project and give them roles. Roles control scm access, forum access, etc.

Beware

Roles are not always very correctly implemented with respect to their descriptions, in particular for private projects. You should experiment before relying on them.

- Create news items, forums, mailing lists and trackers.

Project website

Using ssh, you can upload a project website to the gforge servers.

Beware

Any member of your project that is granted shell access to any project on the forge can access the publishing space of your project. Either you trust all members of your project, or you should use Unix rights to restrict access to the owner of the files of the webspace

Note

The "Survey Service" has been disabled from the InriaGForge.

If you need such a service, ask the [InriaGForge Administrators](#)

Want to participate on a collaborative project ?

Prerequisite

Be registered as a Site User

Check which projects you belong to :

- Go to the "[My Page](#)" Tab
- Click on the desired project name set in the "My Projects" section

If you do not belong to ANY project, you must ask the [administrators](#) of the desired project to add you to the project member list.

You can collaborate to a project according to different roles. A role controls access to the scm, the forums, the trackers, the mailing-lists, ... The Forge predefined different kind of roles. But the project administrators can modify them, add new ones.

If considering the pre-defined roles, you can collaborate as :

Junior/Senior Developer:

- You can access in read/write to the Source Code Repository
- You can participate in any forums
- You can manage Tracker, assign and be assigned tasks
- Make sure you have put your public ssh key on your "InriaGForge Personal Page".

Expert User

- You can access to the Source Code Repository (only in read mode)
- You can participate in the forums (but not the developer forum)
- You can add items on project trackers

Support Tech

- You can access to the Source Code Repository (only in read mode)

- You can post in any of the project forums
- You can administrate the Projet Tracker and be assigned tasks

Doc Writer

- You can access to the Source Code Repository (only in read mode)
- You can post in any of the project forums
- You are in charge of the Document Manager

Security on InriaGForge

Our main preoccupation concerning Security on the server is :

- Confidentiality of the projects' data
- Availability of the projects' data

Therefore,

- We work to prevent account highjacking:
 - You should not need to type passwords on a cleartext connection to the server, therefore :
 - Authenticated connection to CVS using pserver has been disabled
 - Authentication is performed over HTTPS
 - SSH access is not possible using passwords. In fact, SSH will not allow connection with an empty passwd nor will it accept connection using ssh protocol version 1 (identity.pub files).
- Shell access is possible only in a limited chrooted environment where each project's data is isolated by using Unix file access permissions.
- The server's data, database and configuration options are saved on a different machine every day.
- Intrusion detection is performed on the server.

Nervertheless, your data is still present on a server that is accessible from anywhere and using a variety of services. If your project's data should be kept confidential at all costs, it should probably not be available on a forge of anykind.

Need more Help ...

Site Admin Project

The [Site Admin project](#) is used to administrate the InriaGForge server.

The project members are the global administrators of the InriaGForge.

There is one permanent staff member from each INRIA research unit working in the local development and

experimental department.

To submit your support requests:

- Use the [Bug tracker](#) of the Site Admin InriaGForge project
 - to look for GForge installation requests
 - to submit any problem related to the Forge installation
- Use the [help.et.gforge<at>inria.fr](mailto:help.et.gforge@inria.fr) mailing-list
 - if the website is down
 - if mail or mailing lists have stopped working, or any other services
 - if you need file restoration ...
- Use the [siteadmin Forums](#)
 - to request new GForge functionalities
 - to check the FAQ lists

Check the existing [InriaGForge FAQ](#)

More Links

- GForge Home Page <http://gforge.org>
- [ObjectWeb FAQ](#)
- GForge [User Guide](#)
- FSL GForge [User Guide](#)