

Create software deposit

User guide and best practices

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Inria
INVENTORS FOR THE DIGITAL WORLD



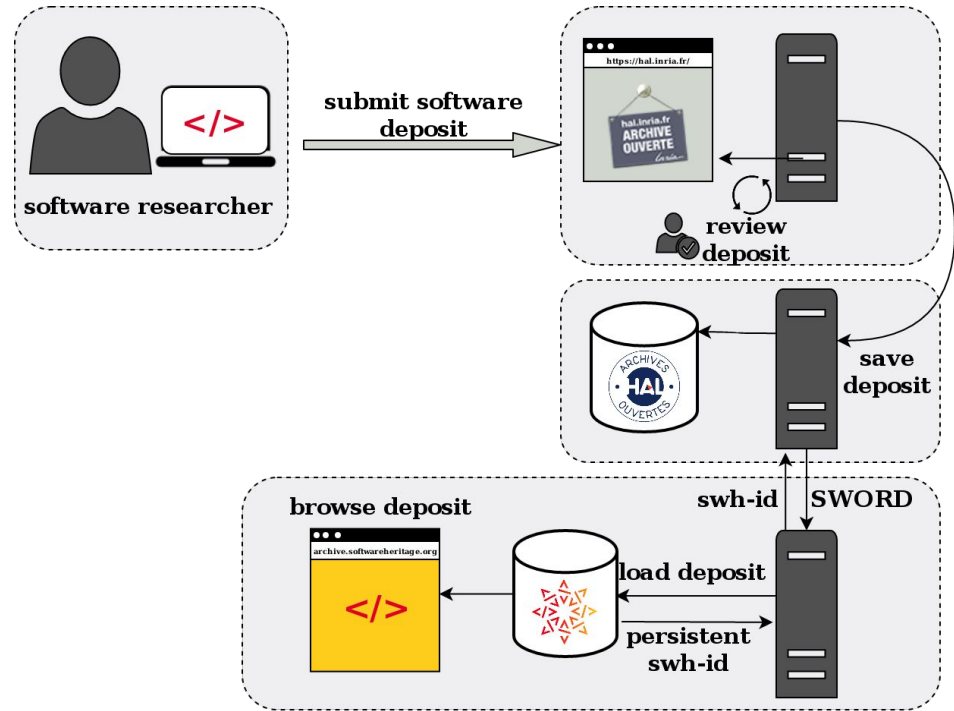
CCSD



Software Heritage

A software deposit

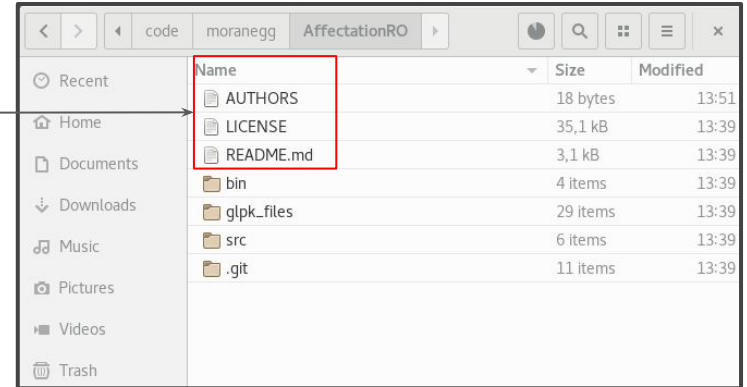
- One compressed **archive** containing source code (mostly text files)
- A collection of **metadata**
 - Generic metadata
 - Software specific metadata



First step

Prepare the software source code before submitting the deposit on Hal-Inria.

- Add the following files:
 - README
 - AUTHORS
 - LICENSE ([licenses reference list](#))
- Create a .zip archive
- Name the archive with the software name + version



README file

MUST include:

1. Name of the software/project
2. a brief description of the project.

SHOULD include:

3. project website or documentation pointer
4. authors/credits list (if not in AUTHORS file)
5. license (if not in LICENSE file)
6. Contact & support

CAN include:

7. list of features
8. developer's build environment
9. build, installation, requirements - how to run the code
10. Usage - how to use the source code
11. recent project news
12. visuals

```
This is Python version 3.8.0 alpha 0
-----

.. image:: https://travis-ci.org/python/cpython.svg?branch=master
:alt: CPython build status on Travis CI
:target: https://travis-ci.org/python/cpython

.. image:: https://ci.appveyor.com/api/projects/status/4mew1a93xdkbf5ua/branch/master?svg=true
:alt: CPython build status on Appveyor
:target: https://ci.appveyor.com/project/python/cpython/branch/master

.. image:: https://dev.azure.com/python/cpython/_apis/build/status/Azure%20Pipelines%20CI?branchName=master
:alt: CPython build status on Azure DevOps
:target: https://dev.azure.com/python/cpython/_build/latest?definitionId=4&branchName=master

.. image:: https://codecov.io/gh/python/cpython/branch/master/graph/badge.svg
:alt: CPython code coverage on Codecov
:target: https://codecov.io/gh/python/cpython

.. image:: https://img.shields.io/badge/zulip-join_chat-brightgreen.svg
:alt: Python Zulip chat
:target: https://python.zulipchat.com

Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011,
2012, 2013, 2014, 2015, 2016, 2017, 2018 Python Software Foundation. All rights
reserved.

See the end of this file for further copyright and license information.

.. contents::

General Information
-----

- Website: https://www.python.org
- Source code: https://github.com/python/cpython
- Issue tracker: https://bugs.python.org
- Documentation: https://docs.python.org
- Developer's Guide: https://devguide.python.org/

Contributing to CPython
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For more complete instructions on contributing to CPython development,
see the `Developer Guide`_.

.. _Developer Guide: https://devguide.python.org/

Using Python
-----

Installable Python kits, and information about using Python, are available at
`python.org`_.
```

Taken from [Software Release Practice HOWTO](#) by Eric Steven Raymond and [Make a README](#)

Readme from the CPython project archived on SWH :
[swh:1:cnt:970f62e6938908a9caaaa0a07fe425bd3976c101:origin=https://github.com/python/cpython/](https://swh.1.cnt:970f62e6938908a9caaaa0a07fe425bd3976c101:origin=https://github.com/python/cpython/)



Deposit files

- Choose the compressed archive
- You can add only one archive to the deposit
- The .zip must contain all files

Submit

Home Submit Browse all HAL Inria publications Search Services Help OpenAccess@Inria My space

Submit the file(s) ✓

Display detailed view

You can submit a file or/and complete your submission from an external identifier.

Drag n drop or click to upload your file(s)
Maximum upload file size : 200M

Load metadatas from a document identifier

With the document identifiers we are able to automatically get information on the document.
The DOI, for example, is a code which appears on the editor's page of an article.

DOI 10.xxx

Search for metadata

If you want to add an embargo, get files from your FTP account ou any other advanced action, please [display the detailed view](#).

☰ Complete the document's metadata

👤 Complete the author(s) data ✓

✓ Validate submission

Choose the deposit type

In the Category *research data*- choose the type *Software*

Add the mandatory metadata:

- software title
- research domain
- License (It is recommended to add the license name that is in the LICENSE file)

Then, click on *display the complete list of metadata*

The screenshot shows a web form for submitting a document. At the top, there is a status bar with a folder icon, the text "Submit the file(s)", and a green checkmark. Below this is a section titled "Complete the document's metadata".

The form contains several fields and sections:


- Document type ***: A dropdown menu with "Software" selected. A red box highlights a link "Display the complete list of metadata" with a refresh icon.
- Name ***: A text input field. Below it, there is a note: "You can add the title in multiple languages by clicking on +. Value is required and can't be empty".
- Domain ***: A list of domain categories. The first item, "Chemical Sciences", is selected. A note below reads: "The first domain will be considered as the principal field of the deposit (article, software, etc.). You can change the order by drag and drop. Value is required and can't be empty".
- Description**: A text input field with a note: "Click on + to add a new language".

Annotations include:

- A red box around the "Display the complete list of metadata" link.
- A vertical line extending from the link down to the domain list.
- A horizontal line pointing from the "Chemical Sciences" domain to the "Domain *" label.
- An arrow pointing from the "Document type" label to the "Software" dropdown.

Add generic metadata

- Description (It is recommended to add a description that is coherent with the README file)
- Keywords
- Production date
- Classification
- etc..

Description	<p><i>Click on + to add a new language</i></p> <div style="border: 1px solid #ccc; height: 80px;"></div> <p>English +</p>
Keywords	<p><i>You can add keywords in multiple languages : choose the desired language and click on + to add new keywords. The characters "," and ";" can be used to separate keywords in a list.</i></p> <div style="border: 1px solid #ccc; height: 20px;"></div> <p>English +</p>
Identifiers	<p><i>Add the identifiers of this work in other data bases such as DOI, arXiv, PubMed, ADS, Software Heritage-hash</i></p> <div style="border: 1px solid #ccc; height: 20px;"></div> <p>DOI +</p>
Production date	<p><i>The date on which the work was created</i> <i>Accepted formats are YYYY-MM-DD or YYYY-MM or YYYY</i></p> <div style="border: 1px solid #ccc; padding: 2px;"> <input style="width: 90%; border: none;" type="text"/></div>
Classification	<p><i>PACS, MSC, etc.</i></p> <div style="border: 1px solid #ccc; height: 40px;"></div>
Comment	<p><i>releaseNotes: Description of what changed in this version.</i></p> <div style="border: 1px solid #ccc; height: 40px;"></div>
Internal note	<div style="border: 1px solid #ccc; height: 20px;"></div> <p style="text-align: right;">+</p>
Project/Collaboration	<p><i>Enter the collaboration(s), separator is ";". In case of Inria associate team or Inria international partner, consult the reference table.</i></p> <div style="border: 1px solid #ccc; height: 20px;"></div> <p style="text-align: right;">+</p>

Add software specific metadata

- Programming language
- Code repository
- Platform/OS
- Version
- Development status

Software Licence	<input type="text"/>	+
Programming Language	<input type="text"/>	+
Code Repository	<i>Link to the repository where the un-compiled, human readable code and related code is located (SVN, github, CodePlex).</i>	
	<input type="text"/>	
Platform/OS	<i>Operating systems supported (BSD, MacOSX, Windows 7, OSX 10.6, Android 1.6)</i>	
	<input type="text"/>	+
Version	<i>Version of the software instance</i>	
	<input type="text"/>	
Development Status	<i>Description of development status, e.g. concept, WIP, active, inactive, suspended.</i>	
	<input type="text"/>	
Runtime Platform	<i>platform or script interpreter dependencies (Example - Java v1, Python2.3, .Net Framework 3.0)</i>	
	<input type="text"/>	+

 Complete the author(s) data 

 Validate submission

Cancel

Submit

Submit the file(s) ✓

Complete the document's metadata

Complete the author(s) data

Display all the options

Morane Gruenpeter **Author**

- Software Heritage
- Add an affiliation

For this author

For this structure

Morane Gruenpeter

Fonction

- Developer
- Developer
- Contributor
- Maintainer

Validate submission

Cancel

Add authors

- It is possible to add multiple actors with the following roles:
 - Author
 - Developer
 - Maintainer
 - Contributor

It is recommended to add all the authors that are mentioned in the AUTHORS file

Submit deposit

- Validate transfer and contribute to the software cultural heritage established by SWH
- Accept conditions
- Finalize deposit by clicking on *Upload*

the deposit will be reviewed by a moderator

Submit ?

Submit the file(s) ✓

Complete the document's metadata ✓

Complete the author(s) data ✓

Validate submission ✓

Software
Morane Gruenpeter. Awsome Compiler.

Software Heritage See the conditions for the transfer

Software Heritage is building the universal software archive by collecting, preserving, and making accessible to all, the source code of all available software.

To be able to transfer your software to the largest source code archive, your deposit must meet the following conditions:

- The files must be under a free license.
- The files can not be under embargo.

Your software source code deposit will be available on the Software Heritage platform. within 7-30 days (the processing time of your deposit)

Conditions

By depositing this document, the contributor (I) grant(s) the following licence to HAL:

- I authorize HAL to put this article online and distribute it;
- I am aware that deposits cannot be deleted once accepted;
- I understand that HAL reserves the right to reclassify or reject all deposits.

I accept these conditions

Cancel

The final deposit on hal.inria.fr

The screenshot shows the HAL - Inria website interface. At the top, there is a navigation bar with logos for CCSD, HAL, Episciences.org, Sciencesconf.org, and Support. The main header features the Inria logo with a 50th anniversary badge (1967-2017) and the HAL - Inria logo with the text 'Archive ouverte / Open archive'. Below the header is a navigation menu with items: Accueil, Déposer, Consulter tout HAL, Publications Inria, Recherche, Services, Documentation, OpenAccess@Inria, Mon espace, and Privilèges. The main content area displays the document title 'The assignment problem' by Morane Gruenpeter, with a red box indicating 'hal-01588935, version 1'. The abstract describes a Java implementation of the assignment problem. The 'Type de document' is 'Logiciel' and the 'Domaine' is 'Informatique [cs]'. A 'BROWSE' section at the bottom shows the Software Heritage identifier and a 'Browse' button. A right sidebar contains metadata (keywords: glpk, OR; softwareLicence: GNU; programmingLanguage: Java; codeRepository: https://github.com/moranegg/AffectationRO), citation information, and sharing options (G, t, +) with a count of 0. A box on the left contains the text 'Browse content on the Software Heritage platform' with an arrow pointing to the 'Browse' button in the BROWSE section.

CCSD HAL Episciences.org Sciencesconf.org Support

Inria inventeurs du monde numérique 50 ANS 1967-2017 Imaginons notre futur

hal.inria.fr ARCHIVE OUVERTE

HAL - Inria Archive ouverte / Open archive ARCHIVES HAL OUVERTES

Accueil Déposer Consulter tout HAL Publications Inria Recherche Services Documentation OpenAccess@Inria Mon espace Privilèges

hal-01588935, version 1

The assignment problem

Morane Gruenpeter¹ Détails

1 Initiative pour la Recherche et l'Innovation sur le Logiciel Libre - IRILL

A java implementation for The Assignment Problem a distributed system as a set of processors that can perform tasks (or processes) in parallel. We therefore consider a set of m processors, each equipped with a certain amount of random access memory (RAM). We associate a cost to pay to perform this task on this processor, and each pair of tasks is associated with a communication cost. The Assignment problem works on minimizing the cost and maximizing the tasks performed.

Type de document : Logiciel

Domaine : Informatique [cs]

Liste complète des métadonnées Voir

BROWSE

Software Heritage - Identifiant : 2d7bce631fc791080311eb835c47428e586a6ea4 Browse

MÉTADONNÉES

Keywords : glpk OR

softwareLicence GNU

programmingLanguage Java

codeRepository https://github.com/moranegg/AffectationRO

CITATION

Morane Gruenpeter. The assignment problem. 2018. <hal-01588935> <swh:1:rev:594617d1cd9d9d6bc0cfbd531bbaa1ed19627e9b>

PARTAGER

G t + 0

MÉTRIQUES

Browse content on the Software Heritage platform

The final deposit on archive.softwareheritage.org



Software Heritage

Search

Help

Vault

Browse

Alpha version

SWH origin: <https://hal-preprod.archives-ouvertes.fr/hal-01588935>

📅 SWH visit date: 19 January 2018, 10:25 UTC 🌿 Branches (0) 📁 Releases (0)

SWH object: Revision

↻ Revision `f1d731341efbbe4f9a039f96916c519d1e5dcc4a` authored by Software Heritage on 19 January 2018, 10:24 UTC

: Deposit 89 in collection hal

0 parents ↻

Files

Changes

3d65b6f /

🕒 History

📄 Download

File	Mode	Size	Sha1 git
📁 moranegg-AffectationRO-df7f68b	d-----		31b5c8cc985d190b5a7ef4878128ebfdc2358f49