



ICT - Nuovi Servizi

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Warning





Servizi correnti

<https://ict.inaf.it>



HOME ICT

Working Groups ▾

ICT @ INAF ▾

ICT Tools ▾

Activities ▾

EOSC

Computing ==>

Archives ==>

CED: Servizi di Rete ==>



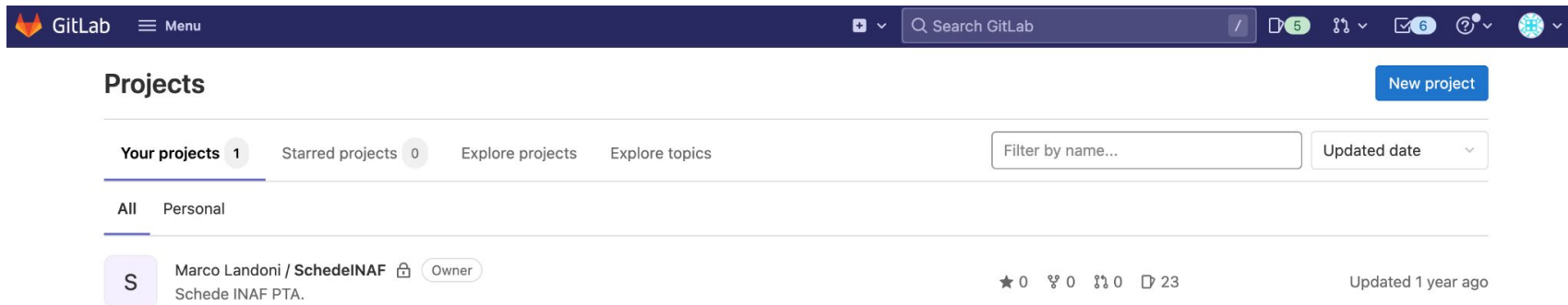
Piani per i nuovi servizi

- ❖ CI/CD e project management stanno crescendo sempre di più all'interno della nostra comunità(Sviluppo di Software, pipeline)
- ❖ Gestione di grandi progetti sia da terra che da spazio (e.g. easy redmine ed estensioni)
- ❖ All'interno di questo contesto, nuovi servizi per supportare questa ricerca si riveleranno sempre più importanti.



GitLab e nuove integrazioni

- Versioning del codice, fork e condivisione
- Supporto al ciclo di sviluppo e ai modelli di sviluppo di software (Spring, Tickets,..)



The screenshot shows the GitLab web interface. At the top is a dark blue navigation bar with the GitLab logo, a menu icon, a search bar, and various notification and user icons. Below the navigation bar is the 'Projects' section. It features a 'New project' button and tabs for 'Your projects' (1), 'Starred projects' (0), 'Explore projects', and 'Explore topics'. A search filter 'Filter by name...' and a sort dropdown 'Updated date' are also present. Under the 'All' tab, a project by 'Marco Landoni / SchedeINAF' is listed, marked as 'Owner'. The project details include a star count of 0, fork count of 0, issue count of 0, and a commit count of 23. It was updated 1 year ago.

GitLab Menu

Search GitLab

5 6 ?

Projects

New project

Your projects 1 Starred projects 0 Explore projects Explore topics

Filter by name... Updated date

All Personal

S Marco Landoni / SchedeINAF Owner

Schede INAF PTA.

★ 0 0 0 23

Updated 1 year ago

GitLab e Software Cycles

 **GitLab** Menu

S SchedelINAF

Project information

Repository

Issues 23

Merge requests 0

CI/CD

Security & Compliance

Deployments

Monitor

Infrastructure

Packages & Registries

Analytics

Wiki

Snippets

Marco Landoni > SchedelINAF

S **SchedelINAF** 

Project ID: 540 

  Star 0  Fork 0

 440 Commits  5 Branches  0 Tags  4.3 MB Files  4.3 MB Storage

Schede INAF PTA.



Auto DevOps

It will automatically build, test, and deploy your application based on a predefined CI/CD configuration.

Learn more in the [Auto DevOps documentation](#)

Enable in settings

master 

schedelinaf / 

History

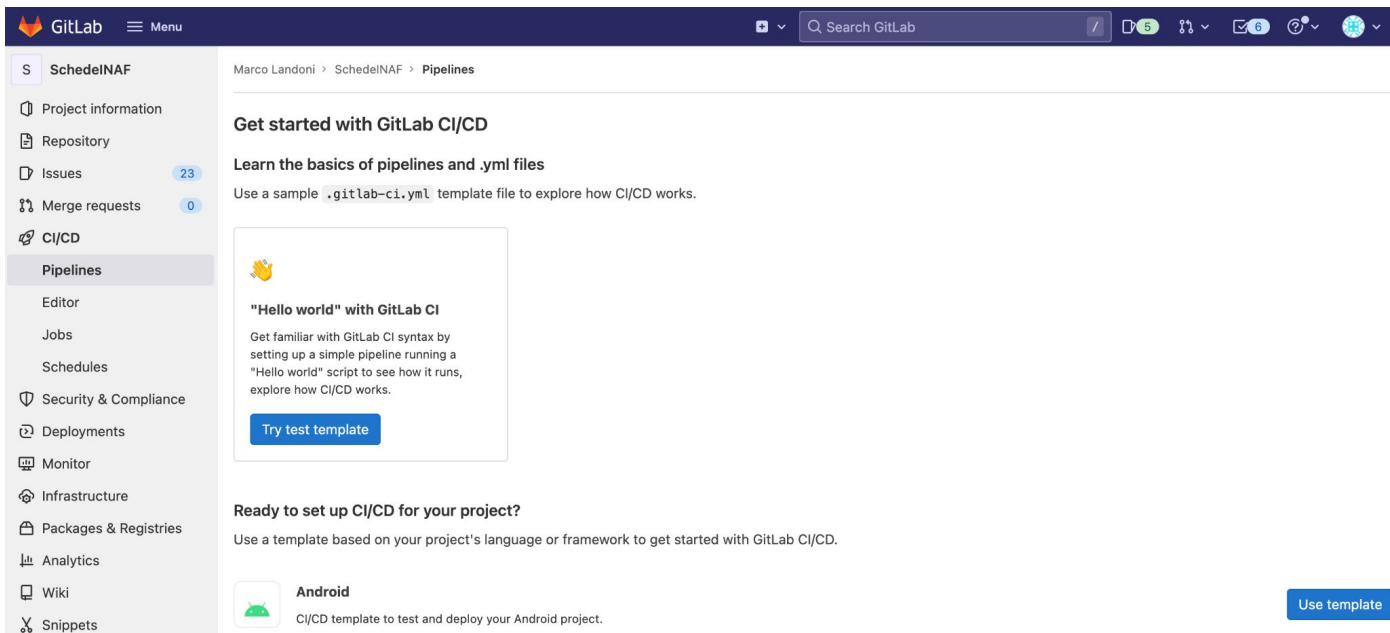
Find file

Web IDE



Clone 

Continuous Integration / Continuous Development



The screenshot shows the GitLab web interface. The top navigation bar includes the GitLab logo, a menu icon, a search bar, and notification icons. The left sidebar contains a list of project features: Project information, Repository, Issues (23), Merge requests (0), CI/CD, Pipelines (selected), Editor, Jobs, Schedules, Security & Compliance, Deployments, Monitor, Infrastructure, Packages & Registries, Analytics, Wiki, and Snippets. The main content area is titled 'Get started with GitLab CI/CD' and includes a sub-header 'Learn the basics of pipelines and .yaml files'. It provides a brief introduction to CI/CD and a 'Try test template' button. Below this, there is a section 'Ready to set up CI/CD for your project?' with a 'Use template' button. The template shown is for 'Android' CI/CD.

GitLab Menu

Search GitLab

SchedelNAF

Project information

Repository

Issues 23

Merge requests 0

CI/CD

Pipelines

Editor

Jobs

Schedules

Security & Compliance

Deployments

Monitor

Infrastructure

Packages & Registries

Analytics

Wiki

Snippets

Marco Landoni > SchedelNAF > Pipelines

Get started with GitLab CI/CD

Learn the basics of pipelines and .yaml files

Use a sample `.gitlab-ci.yml` template file to explore how CI/CD works.



"Hello world" with GitLab CI

Get familiar with GitLab CI syntax by setting up a simple pipeline running a "Hello world" script to see how it runs, explore how CI/CD works.

[Try test template](#)

Ready to set up CI/CD for your project?

Use a template based on your project's language or framework to get started with GitLab CI/CD.



Android

CI/CD template to test and deploy your Android project.

[Use template](#)

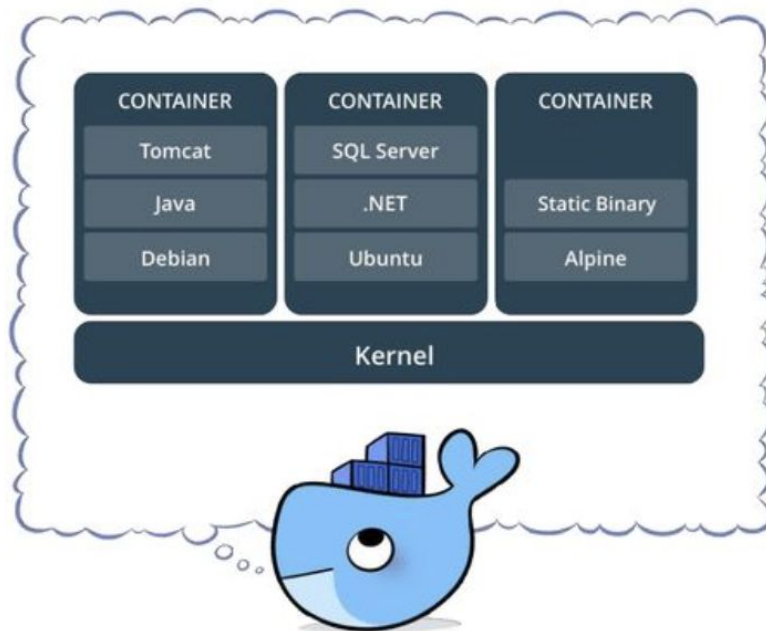


CI/CD

	OpenShift CI/CD template to test and deploy your OpenShift project.	Use template
	Packer CI/CD template to test and deploy your Packer project.	Use template
	PHP CI/CD template to test and deploy your PHP project.	Use template
	Python CI/CD template to test and deploy your Python project.	Use template
	Ruby CI/CD template to test and deploy your Ruby project.	Use template
	Rust CI/CD template to test and deploy your Rust project.	Use template
	Scala CI/CD template to test and deploy your Scala project.	Use template
	Swift CI/CD template to test and deploy your Swift project.	Use template
	Terraform CI/CD template to test and deploy your Terraform project.	Use template


Dockerhub

What is a container?



Dockerhub



Docker Image

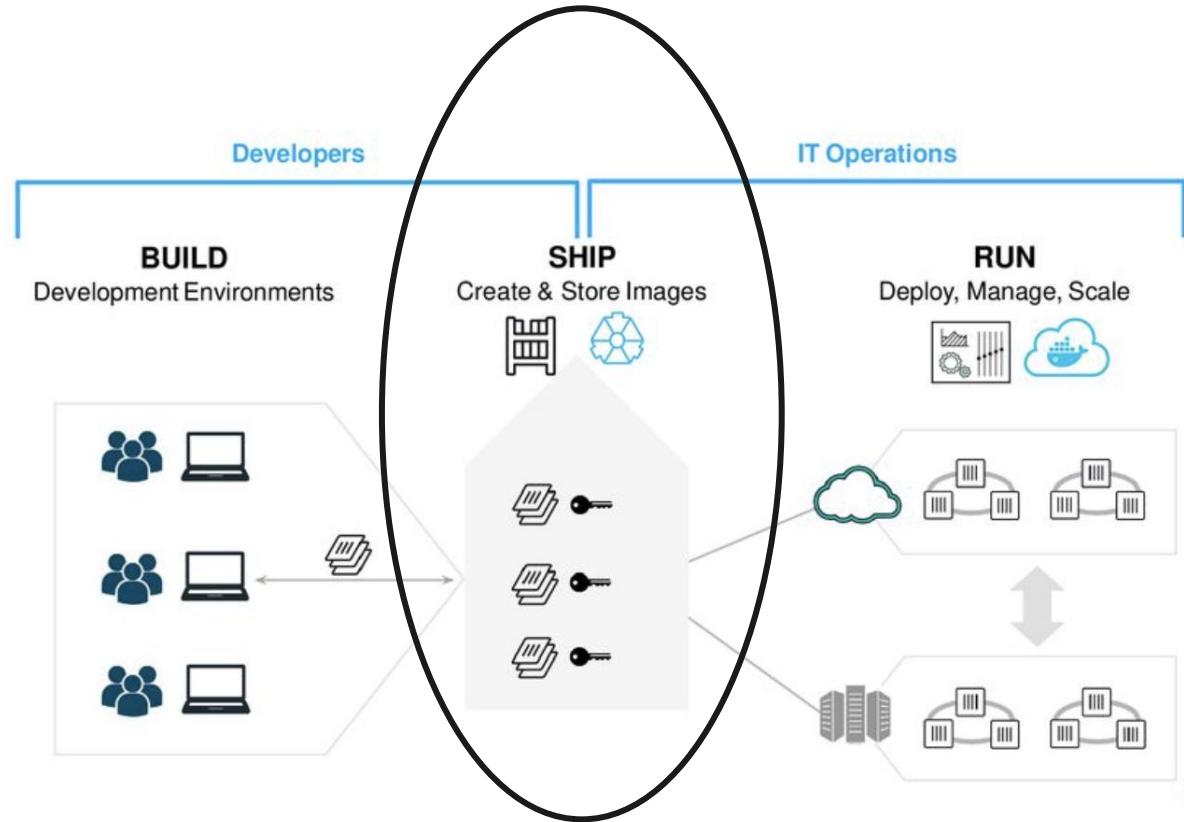
Example: Ubuntu with Node.js and
Application Code



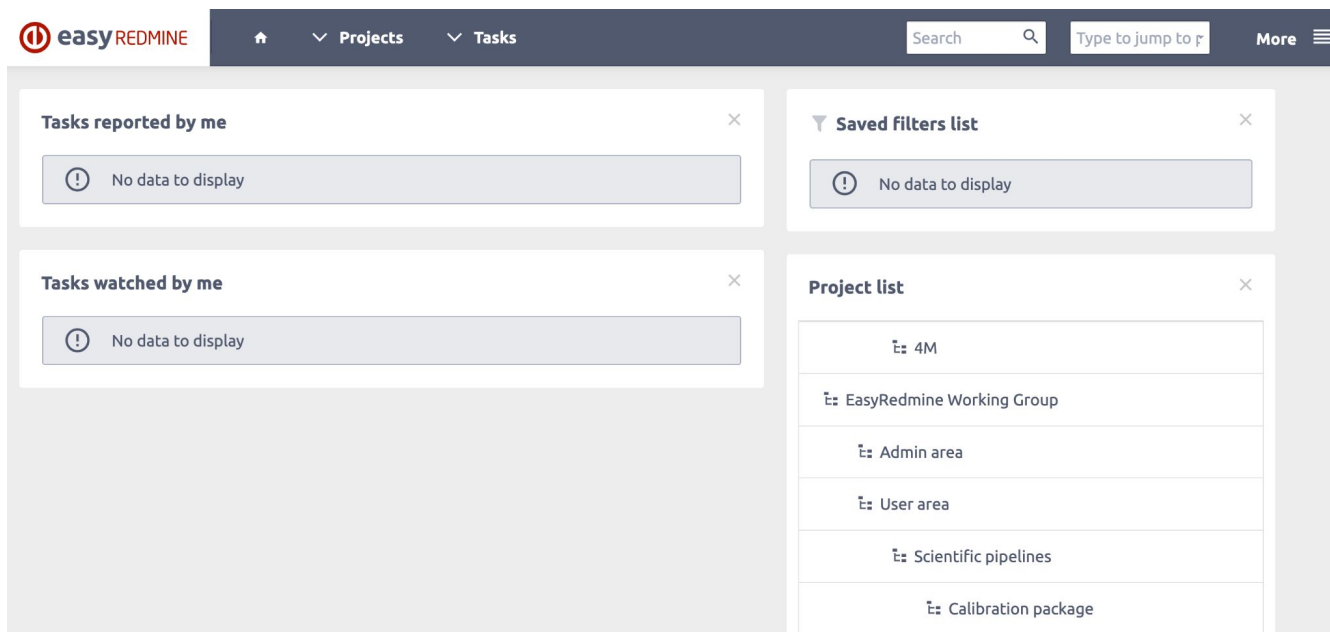
Docker Container

Created by using an image. Runs
your application.

Dockerhub



Redmine / Easyredmine



The screenshot displays the EasyRedmine web interface. At the top, there is a dark blue navigation bar containing the 'easyREDMINE' logo, a home icon, dropdown menus for 'Projects' and 'Tasks', a search bar, a 'Type to jump to' field, and a 'More' menu icon. Below the navigation bar, the main content area is divided into several panels. On the left, there are two panels: 'Tasks reported by me' and 'Tasks watched by me'. Both panels show a message 'No data to display' with an exclamation mark icon. On the right, there are two panels: 'Saved filters list' and 'Project list'. The 'Saved filters list' panel also shows 'No data to display'. The 'Project list' panel displays a list of projects with expandable icons (three horizontal lines) and the following names: '4M', 'EasyRedmine Working Group', 'Admin area', 'User area', 'Scientific pipelines', and 'Calibration package'.

easyREDMINE

Home Projects Tasks Search Type to jump to More

Tasks reported by me

No data to display

Tasks watched by me

No data to display

Saved filters list

No data to display

Project list

- 4M
- EasyRedmine Working Group
- Admin area
- User area
- Scientific pipelines
- Calibration package

<https://redmine.ict.inaf.it/>

Easyredmine initiative

- **motivazione:** fornire uno strumento per la gestione dei progetti anche a piccola scala: PRIN, PRIN INAF, programmi di laboratorio, etc. se abbiamo in INAF 750 schede significa che 750 persone coordinano qualcosa. EasyRedmine è lo strumento per fare questo.
- **template:** stiamo lavorando a creare template per ogni esigenza. dall'AIV, al procurement, ai servizi tecnici e amministrativi, etc. il template è un progetto costruito ad hoc ma con dentro pochissime informazioni, solo la struttura generale. l'utente se lo prende, cancella le poche info e usa la struttura.

SPLATT Planned

Project overview WBS Roadmap Targets Wiki Test Plans Test Cases Scrum board Gantt Resource management Tasks Spent time News DMS Documents Calendar Message boards Files Knowledge

Desktop Statement of work Activities&Results Numbers&Procedures News

Welcome to the SPLATT!

Navigate through the Redmine!

- Switch to tab: [Activities&Results](#) to see the status and achievements.
- Open the [WBS](#) to get an insight of the work (done/to be done)
- Read through the [Wiki](#) for all the details
- Look at the [TestPlans](#).

Funding summary: FOb: 1.05.01.85.27 CUP: C55F21000080005
BCU memory map added: [SPLATT-Lab-MemoryMap](#)
Data to exercise the NeuralNetwork here: <https://ia2-owncloud.oats.inaf.it/index.php/s/Qxr0FGeNEHqacY7>
[Alessandro Terrieri](#) ^{new}, this is for you!

Activity feed

Tasks News Documents Files Wiki edits Messages Spent time Test Cases Document accesses

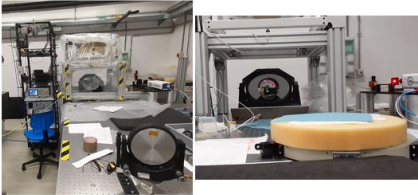
Document revisions all

No activities to display.

More

Noticeboard

[LATT-08B in laboratory!](#)
Coils and capsens tested, shell lifted, actuators loop closed!
Optical bench aligned!!



SPLATT close loop!
Mirror SurfError dispersion after convergence: 0.055 nm
See results here: [SPLATT-AOSim-LoopTest](#)

Abstract submitted to SPIE2022:
Laboratory characterization of a large format, contactless active mirror with intrinsic rejection of vibrations, sub-Astronomical Telescope + Instrumentations 2022

Project meetings

Month Week Day

May 22 — 28 2022

22/05	23/05	24/05	25/05	26/05	27/05
all-day					



Easyredmine initiative

Sprint, Scrum, Kanban

Test Measure of RefBody 22/10/2021 - 12/11/2021   

You can organize the workflow following an Agile approach. EasyRemine embeds ...

Swimlane: No swimlane ▾

InProgress (0/0)

InProgress

#5066 - Test run with masks — ⋮

NeedFeed (0/0)

NeedFeed

#5048 - Laboratory setup — ⋮

WrapUp (0/0)

WrapUp

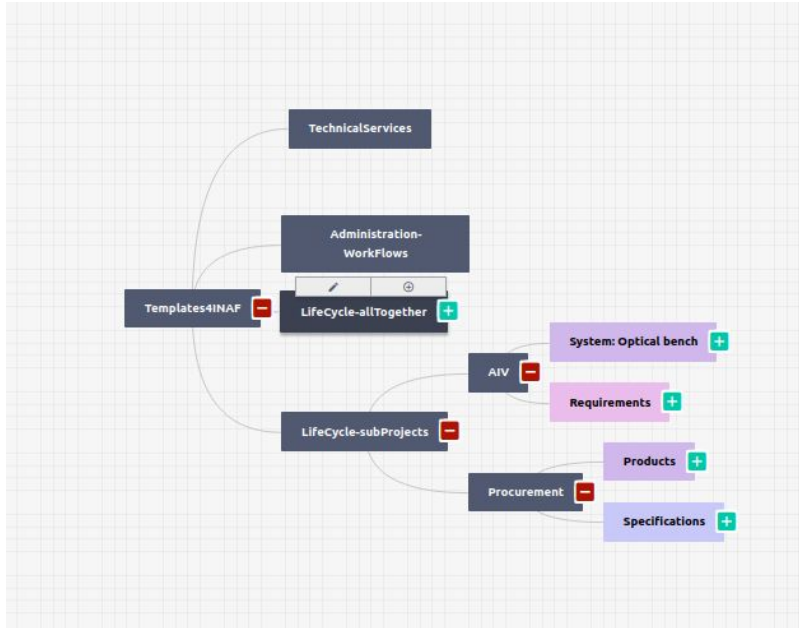
#5063 - RefBodyMeas-Stitching test — ⋮

#5065 - Measurement on RB-
Prototype — ⋮

Done (0/0)

#4529 - Test-Measurement of the
ReferenceBody — ⋮

Easyredmine initiative



Many projects share the same phases.
What about to code that in templates?



Cloud (Computing)

- The initiative has attracted many projects in the first issue and produced a relevant number of papers.
- The idea is to continue to offer the service and, possibly, explore more providers with further PoC and/or services for the community
- Create a link with INAF facilities (IA2, HPC, ...) in Hybrid-Cloud fashion



Cloud (Owncloud)

- Sempre più progetti (anche di grandi dimensioni, vedi ELT ANDES ad esempio) di appoggiano a infrastrutture ICT per Collaborative Sharing e File/Documents sharing
- Strutture critiche da mantenere (affidabilità, reperibilità dei dati, persistenza non solo dei dati)





Nuovi Databases

- Interesse in Databases non relazionali (e.g. Mongo DB) sempre più importanti sia in ambito amministrativo che in ambito scientifico.
- Importante know how a livello Big Data da mantenere all'interno dell'Ente (dati non strutturati, trattamento e scalabilità)





Next steps - My view

- Glue together the services toward the needs of the community at large.
- In one word... knowledge and sharing.
- Support the training of the people



Thanks