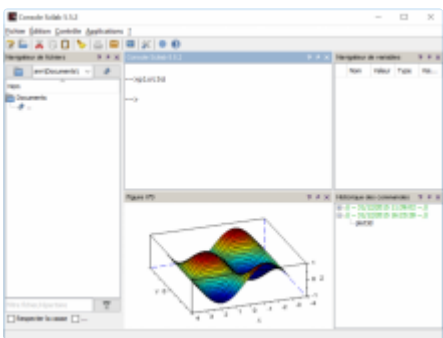


# Open Source

Scilab is a free and open source software for engineers & scientists, with a long [history](#) (first release in 1994) and a growing [community](#) (100 000 downloads every months worldwide).

## Scilab Computation Engine



## Xcos Model-based Design



## ATOMS Toolboxes Management



## License

Scilab is available under the [GPL License](#). What does it means? You have the freedom to:

- use the software for any purpose,
- change the software to suit your needs,
- share the software with your friends and neighbors, and
- share the changes you make.

For more detail, you can refer to the [quick guide on the GPL License](#).

### How to distribute an application based on Scilab without violating the GPL License?

The toolbox mechanism of Scilab enables you to develop applications on top of Scilab, while applying your own license (proprietary or free).

## Development

Scilab is mainly developed by [the Scilab team within ESI Group](#)...

but your participation is welcome !

Our quality process is also based on:

### Code quality

- [Coding style](#) is defined for all languages used in Scilab (C, C++, Java, XML, Scilab, Makefiles, ...)

### Cookie Disclaimer

This site uses cookies in order to improve your user experience and to provide content tailored specifically to your interests. Detailed information on the use of cookies on this website is provided in our [Privacy Policy](#). Click "Learn More" to change your cookie settings. By using this website, you consent to the use of cookies.

OK

[Learn more](#)



Tests

- Unit tests (~1300): each new functionality is only integrated if it has a corresponding test and this test execution runs properly under all Scilab supported platforms,
- Non-regression tests (~1900): for each bug fix, a test is written to ensure its proper correction and prevent any future regression,
- Code coverage tools are used to check the tests quality.

Binary version generation

- Each commit into Scilab GIT repository launches a continuous integration process based on Jenkins,
- Daily build of Scilab binary through a nightly build process executes all unitary tests and non-regression tests under all supported platforms,
- Various compilers are supported (Visual Studio, Intel, GCC, Clang, ...).

Community-suggested functionalities

Functionalities can be proposed by the community using the following process:

- Specifications drafting: SEP (Scilab enhancement proposal),
- Respect of Scilab coding style for development,
- Writing of unitary tests are written,
- Writing of corresponding help page.

*The functionality is integrated only after being reviewed and validated by another developer.*

Useful for development

Bug Reports:

[bugzilla.scilab.org](https://bugzilla.scilab.org)

Dashboards:

[Build chain \(Jenkins\)](#)

[Compilation & Test chain](#)

[Coverage/quality analysis \(coverity\)](#)

Nightly builds:

[Scilab binaries](#)

Code management:

[Code review \(Gerrit\)](#)

[Code repository \(Git\)](#)

Sitemap

[Download](#)

[Tutorials](#)

[Industries](#)

[Technology](#)

[Services](#)

[Software](#)

GET IN TOUCH



WORK WITH US

Email: [team@scilab.io](mailto:team@scilab.io)

Web: <http://scilab.io/company/careers/>

3 bis rue Saarinen  
94528 Rungis - France

Cookie Disclaimer

This site uses cookies in order to improve your user experience and to provide content tailored specifically to your interests. Detailed information on the use of cookies on this website is provided in our Privacy Policy. Click "Learn More" to change you cookie settings. By using this website, you consent to the use of cookies.

OK

[Learn more](#)





Scilab  
@Scilab



After developing Scilab Cloud for enterprise application deployment for a few years now, we wanted to reflect on the recent changes in engineering & science.  
Hope you will enjoy this article. Feel free to comment and forward! [linkedin.com/pulse/why-clou...](https://www.linkedin.com/pulse/why-cloud-computing-engineering-science) via @LinkedIn



**Why the cloud will change the way we engineer our products?**  
We've been building cars and planes for decades now. So why all

[Embed](#)

[View on Twitter](#)

Cookie Disclaimer

This site uses cookies in order to improve your user experience and to provide content tailored specifically to your interests. Detailed information on the use of cookies on this website is provided in our [Privacy Policy](#). Click "Learn More" to change you cookie settings. By using this website, you consent to the use of cookies.

OK

[Learn more](#)

