



Tools for software development

Les mardis du développement technologique

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the SED team

Scientific software
Software development tools
Platform for software development

<https://wiki.bordeaux.inria.fr/sed>

scientific software

Matlab (MathWorks)

MATLAB 15

SIMULINK 3

Curve_Fitting_Toolbox 2

GADS_Toolbox 2

Image_Toolbox 5

Compiler 2

Optimization_Toolbox 4

Distrib_Computing_Toolbox 2

PDE_Toolbox 2

Signal_Toolbox 5

Stateflow 2

Statistics_Toolbox 6

Wavelet_Toolbox 2

scientific software

Matlab (MathWorks)

Annual cost (20% of acquisition) : 2.5 k€ / year

For updating the service we consider :

- CUMI-R
- logs

Software development tools

Microsoft Dreamspark (MSDNAA)

Visual studio, ...

Annual cost : 300 € / year

Software development tools

Intel Cluster Studio XE

<http://software.intel.com/en-us/intel-cluster-studio-xe/>

Fortran compiler, C compiler, vtune

Annual cost : 10 k€ / year

For 2014, licenses will be shared at the national level

Software development tools

Allinea DDT

<http://www.allinea.com/products/ddt/>

Debugger

Annual cost : 6 k€ / year

Since 2013, licenses are shared at the national level

Platform for software development

Inria Forge

Gforge.inria.fr

Annual cost : (SED and DSI/SIC guys are working on it)

Machines are located at the Inria Rennes Bretagne Atlantique center

Projects : 4957, Users : 15267

Use also for documents writing

The Inria forge is quite old but none of the forge on the market fill all the needs we have...

Platform for software development

Continuous integration

ci.inria.fr

Annual cost : ?? k€ (SED and DSI/SIC guys are working on it)

Machines are located somewhere...in the clouds ?

Projects : 168, Users : 436

Based on Jenkins and CloudStack technologies

The Inria ci platform is quite new, it suffers from inexperience using the technologies.

Others

- GCC, GDB, R, Octave, SciLab, Julia, CMake.....
- The SED team organizes once a year a training session about tools for software development

Thanks!

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