

ProActive Parallel Suite® Newsletter

Summer 2012
Issue 6

out !

New ProActive Parallel Suite release is



ProActive Parallel Suite 5.2
Stable release available, July 24th 2012!

On July 24th 2012, ActiveEon team has the great pleasure to announce this new stable version of ProActive Parallel Suite. ProActive continues its evolution and is enriched with **new strong functionalities**:

- ProActive Matlab and Scilab Plugins that seamlessly install independently, each integrating Toolbox and Documentation.
- Resource manager now features comprehensive Node Monitoring (CPU, Memory, Network, etc.) available both in Portal and through APIs.

More, this release offers you major enhancement of **ProActive Workflow Studio**, the graphical environment for constructing and executing HPC workflows. **New in ProActive Studio 1.1**:

- Updated to scheduling 3.2
- Bug fixes

As always, all products within the suite are fully compatible and provide a very comprehensive Open Source solution for Grid and Cloud computing.

ProActive Workflow & Parallelization 5.2:

- new communication protocol : AMQP
- new property to add VM-wide timeout on synchronous request (to prevent infinite wait)
- axis2 removal, CXF now the only open source services framework in programming
- GCM / ADL : component in the membrane
- bug fixes, [and more...](#)

ProActive Orchestration & Scheduling 3.2

- Improvement of the stability of The Scheduler Server:
 - bug fixes,
 - functional tests,
 - stress testing framework.
- Ability to run the Scheduler with integrated web portal,
- Ability to switch the Scheduler Server to another Resource Manager
- New Scheduling Policy which restricts access to specific NodeSources,
- API for Fully Automated data transfers between client machines and computing clouds, [and more...](#)

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Training

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Coming soon

Upcoming Events

November 12-18, 2012, Salt Lake City, WA, USA

More information soon

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ProActive Cloud & Grid IaaS 3.2

- New node monitoring functionality using SIGAR (System Information Gatherer and Reporter),
- New node administration mechanism allowing to execute configuration scripts on nodes,
- Improved the overall stability of the resource manager, [learn more...](#)

[Learn more with detailed description and release note!](#)

Product Focus

Web Portal:

- Bug fixes
- Updated to scheduling 3.2
- Node monitoring (from RM 3.2)

Resource Manager:

New node monitoring functionalities using SIGAR (System Information Gatherer and Reporter):

- System memory, swap, cpu, load average,
- Processes arguments and environment,
- File system detection and metrics,
- Network interface detection, configuration information and metrics.

Windows agent :

- Bug fixes,
- Improvements with less restrictive requirements during installation.

New version of Matlab & Scilab Interface

The goal of this package is to equip Matlab and Scilab with a generic interface to Grid and Cloud computing. This extension allows the deployment of Matlab and Scilab instances on several nodes of various infrastructures, and to use these instances like computing engines. The submission of both Matlab and Scilab tasks to be distributed over nodes is achieved seamlessly and directly from the usual Matlab and Scilab interactive environments. [Learn more....](#)

[See more!](#)

ProActive Production deployment

ProActive Parallel Suite® boosts productivity in the MetaQuant Platform of Metagenomics Quantitative of the INRA Centre in Jouy en Josas

MetaQuant, the metagenomics quantitative analysis platform of INRA, and the company ActiveEon reinforce their partnership, a logical continuation of an extremely positive balance sheet between a high flow analysis platform and an innovative developer. [Read more...](#)

Grid IT works start this summer with ProActive at Faculty of Economics and Management of UPEC

The IT department of the University of Paris-Est Créteil has chosen ProActive Parallel Suite to build an internal Grid and Cloud aimed at providing an environment with a coherent set of frameworks including Portals and Grid commodities to researchers and PHD students. A long collaboration between ActiveEon and UPEC begins.



ActiveEon, at technological trade shows

ActiveEon has had great successes during its participation at many technological trade shows.

- [Cloud Computing World Expo](#) specialized in Data Centers Optimization, Cloud computing and Virtualization. [Click here](#) for our booth & pictures
- 3 days exchanges with our clients and visitors about ProActive Parallel Suite at [Solutions Linux/Open Source](#). [Some pictures here...](#)
- The international meeting for High performance Numerical Design and Simulation [TERATEC](#) brought together top international experts in high performance numerical design and simulation, making it the major event in France and in Europe in this field. Many of our customers were there, and many new prospects came to visit us. For some pictures [click here](#)

ActiveEon in Russia

To sustain its international expansion, ActiveEon just created a subsidiary in Russia, in the promising Technology park of Skolkovo near Moscow. [See more details](#) in this independent press coverage.

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