



Message from Denis Caromel, ActiveEon's founder

Dear Users, Customers, Partners, and Community Members,

For this first quarterly newsletter, I'm very happy to share with you some great news.

First of all, we are pleased to announce the **latest release of ProActive Parallel Suite® 4.1**, available for immediate download on ActiveEon Web Site.

Over the past ten years, technology moved from HPC to Grid and now Cloud computing; ProActive Parallel Suite helps you reap the benefits brought by all these cutting edge technologies, such as heightened computing power, greater flexibility and significant costs savings, in a very easy and innovative way. ProActive Parallel Suite provides you with a comprehensive set of tools for all stages in the development of distributed and parallel applications, from design to deployment, as well as for setting up an environment enabling an optimized workload management.

On April 24th ActiveEon entered **Microsoft IDEES**, part of Microsoft's Emerging Business International Program. This program allows ActiveEon to benefit from the MS Startup ecosystem and to be well connected with Microsoft tools and road maps. Stay tuned for upcoming events.

We start having growth on all fronts – downloads, customers and partners - highlighting how much ProActive provides organizations with an innovative and powerful solution. Thanks to its long expertise in parallel and distributed computing, ActiveEon is your dedicated partner to support you in optimizing your applications and infrastructure; and to get you quickly up to speed on ProActive technology with hands-on training sessions. We are committed to provide you with a solution fulfilling your specific needs and to tailor ProActive and our service offer accordingly.

I hope you will enjoy this quarterly newsletter, feel free to send your comments at news@activeeon.com.

I look forward to meeting you next week at **JavaOne**.

Denis

Stay tuned about our new products and solutions releases, services, special announcements, events and more, issued by ActiveEon!



Get connected

Join the community:
[www.activeeon.com/
community.html](http://www.activeeon.com/community.html)

Download

Get started today,
download ProActive at:
[www.activeeon.com/
downloads.html](http://www.activeeon.com/downloads.html)

Upcoming Events

May 18-21, 2009, Shanghai, China
**ProActive and Multi-
Core Keynote talk at
CCGrid 2009**

June 2-5, 2009, San Francisco, USA
- Booth 628
JavaOne

July 2, 2009, Sophia Antipolis,
France
**Parallel Computing with
Servers, clusters, Grids
& Clouds**

Training

**Parallel Processing for
the Enterprise**
June 25, 2009
July 27, 2009

**Hands-On ProActive
Parallel Suite: Bridging
Distributed and Multi-
Core Computing**
June 26, 2009
July 28, 2009

Products



ProActive Parallel Suite® 4.1 is available!

ProActive Parallel Suite®, the high-end professional open source Java middleware for parallel and distributed computing, provides a comprehensive set of tools for:

- Optimized workload management
- Easy parallel and distributed application programming
- Efficient infrastructure and workload monitoring and control

New features available in ProActive Parallel Suite 4.1:

ProActive Java Parallel Programming 4.1

- Simplified distributed debugging with an efficient code checking and JVM log retrieval and aggregation
- More flexible deployment framework with additional configuration parameters and full http support
- Extended communication protocol between JVMs sitting in protected zones and simplified access to any remote object
- Monitoring and Optimizing: Easier distributed application debug thanks to a step by step mode on active objects and a new display for a more convenient system overview

ProActive Heterogeneous Scheduling 1.0

- Dynamic policy-based resources acquisition and improved resources allocation
- More convenient User interface with a new javascript console and more powerful GUIs
- Increased performances thanks to an enhanced memory usage and faster XML jobs processing
- Enhanced reliability thanks to Hibernate based persistence
- Increased flexibility and reliability of the integrated Matlab distributed version
- Fully integrated Scilab distributed version
- Increased portability thanks to configurable tasks generation

Tips & Tricks

ProActive Heterogeneous Scheduling

Need to adapt the number of resources made available to users based on workload?

Use the dynamic and Scheduler state-aware node sources. "Scheduler loading" policy - acquires/releases nodes according to the scheduler load, which can be characterized for example by the number of nodes per task.

For example, if the policy is configured to "1 node per task" and if a job with 10 tasks is submitted, then 10 nodes will be dynamically acquired from the infrastructure.

ProActive Java Parallel Programming

Want to specify the network configuration?

Set the parameter `proactive.net.*` to limit the possible addresses ProActive runtime can bind with. You can specify the IP address to use by using these properties: `proactive.hostname`, `proactive.net.interface`, `proactive.net.netmask`, `proactive.net.nolocal`, `proactive.net.noprivate`.

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