

## Key Features

- Many ways to get computing resources are supported: Desktop machines, Clusters (native, PBS, Slurm, SGE, ...), Public Clouds (Amazon, Azure, Numergy, ...), Private Clouds (VMWare, Hyper-V, OpenStack, CloudStack)
- Advanced monitoring capabilities from infrastructures up to your applications. Expose your metrics easily through JMX, REST API or flat-files.
- ProActive is agnostic in respect to operating systems, databases and application servers
- Workflow model with advanced features (job affinity, conditional structures, loops, planification, parallel tasks, ...)
- Fault-Tolerance with failure detection and automatic recovery.

## Contacts

### ActiveEon

2000 route des Lucioles  
 Les Algorithmes - Pythagore B  
 06560 Sophia Antipolis - FRANCE

Tel. +33 (0) 9 88 77 76 60  
 Fax +33 (0) 9 88 77 76 61

[contact@activeeon.com](mailto:contact@activeeon.com)  
[www.activeeon.com](http://www.activeeon.com)

## 1 ProActive is a solution for interoperability

By providing an **orchestration** tool able to interact with any resource provider such as a **Cloud** (Amazon, Azure, OpenStack, VMWare, ...), a **native scheduler** (PBS, Slurm, ...) or **desktop machines**. Being able to define strategy for **job affinity** (job related to data location), ProActive is a crossroad paving the interoperability tedious pathway.

## 2 ProActive is a solution with powerful web interfaces

Offering **web interfaces** for interactive operations, **users** can build and submit jobs, monitor their execution and retrieve results. **Administrators** can operate the platform with resources. Also, every operation can be done from **command line and API** as well.



## 3 ProActive is a solution with powerful SDK

By exposing native objects through a **REST API**, the job queue or any workflow can be instantiated in a programmatic manner with provided **SDK for Java, JRuby, and .NET** environments. In that way, the workflow monitor and any interactive tools are still useable and continue to help administration tasks through the web. Also, it allows any client able to conform with the REST protocol to interact, submit and monitor the ProActive tools suite.

## 4 ProActive is a solution self-documented

Workflows, parameters and configuration files are textual. It can be read with any text editor so users and developers can use it effectively **only requiring basic knowledge** on orchestration concepts.

## 5 ProActive is a mature and trusted product

ProActive is existing **since 2007**. Numerous customers are using it and they still use it!

