



axceleon™



CloudFuzion

CloudFuzion: The Automated, Scalable, Cloud Cluster Solution

CloudFuzion is the industrial strength high performance cloud cluster builder and management solution. CloudFuzion supports all major hardware platforms, OS platforms. Over the past 12 years many have chosen CloudFuzion technology for its outstanding reliability, scalability, performance ease of use and solid cluster management.

Client/Server Architecture

CloudFuzion utilizes the client-server architecture to deliver the optimal level of reliability, scalability and performance to users. The CloudFuzion client-server model offers you a powerful and reliable platform, which is at the same time scalable and simple to set up and use. OSX/Windows 7 & Linux path translation has been designed in from the beginning. The CloudFuzion management console (Python GUI and web interface) works seamlessly in private and public clouds.

Proven Reliability, Fault Tolerance and Fail-Over

Tried and proven technology in nearly a dozen years of deployment in demanding enterprise computing environments, the CloudFuzion technology delivers mission critical levels of reliability, especially in larger cloud infrastructures, check pointing and fault tolerance. This reliability benefits big and small compute clusters alike.

Guaranteed Performance

Utilizing the industry's fastest scheduler, CloudFuzion consistently delivers reliable performance without constant user intervention. CloudFuzion provides support for the latest AMD, Intel many-core processors, Hyper-Threading, Nvidia with GPU clusters, all helping users to gain optimal utilization of the new high-performance clouds, and get the most ROI on their IT investment dollars.

Easy to Use, No Hidden Cost

There are no hidden costs with CloudFuzion. No need for database software, specialized server hardware or training certification programs. Just deploy CloudFuzion with any cloud infrastructure delivering productivity gains immediately.

Resource Management

CloudFuzion builds clusters quickly and then matches workloads to data processing resources so that only resources satisfying job requirements are being used to execute the job. This dynamic matching maximizes resource utilization and significantly simplifies system administration for complex and large data workloads.

Effortless Scalability, Enabling "On-Demand" Rendering in Amazon EC2 Cloud

Get ready for high performance cloud computing on AWS EC2 with CloudFuzion! Designed to handle thousands of Amazon EC2 instances or machines, CloudFuzion's high performance job scheduler makes scalability a non-issue. With CloudFuzion you can confidently scale up the size of your compute cluster or render farm and expect linear performance growth as you add machines. CloudFuzion's Amazon EC2 support enables animation studios users to seamlessly expand with cost-effective Amazon EC2 render nodes and pay on a usage basis.

Heterogeneous Computing

CloudFuzion driven virtual clusters in cloud environments may consist of Windows, Linux, and OSX based machines allowing organizations to use a variety of equipment within the cluster. Multiplatform applications can execute parallel jobs on different platforms to further enhance their raw computing power.

Administration

CloudFuzion provides an extensive set of features that allow for rapid deployment and integration with existing applications, and reduced management costs. It offers a complete set of tools for interaction with CloudFuzion using a standard Web based browser and CloudFuzion's Python based Desktop. CloudFuzion has command line tools or an open network based CloudFuzion API. CloudFuzion keeps records of its usage and provides tools for producing accounting reports on how nodes are being utilized by applications.

Other features at-a-glance:

- configured to allow cloud clusters to expand and contract depending on workloads
- supports tracking of license use of third party software
- maintains extensive logs of information for accounting and troubleshooting
- incorporates fault tolerance against network, system and user errors
- is able to utilize all cloud environments
- can provide job results in real time
- enhances security provided by the underlying OS

Supported Platforms

- Windows 7, Server 2008
- Linux
- OSX
- HPUX
- AIX
- Solaris

CloudFuzion benefits:

- immediate return on investment by maximizing the use of existing internal and external cloud resources
- improved competitiveness by getting results faster using on-demand resource
- improved productivity by automating manual tasks and reducing manual errors
- rapid cloud cluster deployment through streamlined installation and flexible configuration options
- simple integration with existing applications, requiring no changes to the applications
- reduced total cost of ownership through ease of use and optimized cloud management, resources are released when work done
- easy integration in mixed, OS cloud environments, including Windows, Linux and OSX-based systems
- maintains cloud cluster security by enhancing operating system provided features

Return - On - Investment (ROI)

CloudFuzion's ability to integrate transparently into heterogeneous internal and external cloud environments gives organizations an immediate return-on-investment. Current Fortune 500 users of CloudFuzion technology have been able to speed up application execution up to 100 times or more while eliminating manual tasks and errors.

Total Cost of Ownership (TCO)

With CloudFuzion, organizations are able to harness, manage and optimize cluster usage in the cloud, put it to work for them and save the cost of having deploy and manage all in-house. Also as demand on IT for compute power increases CloudFuzion will respond and add and release the required compute resources based on a set of IT defined metrics and costs targets.

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About Axceleon Inc.

Axceleon develops and markets high-performance distributed computing software solutions for cloud environments, enterprise grids and render farms that leverages the heterogeneous IT environments that have evolved inside the worlds largest companies. Axceleon's EnFuzion® is proven technology that accelerates Business Intelligence, Analytics applications and 3D Applications and is deployed by Fortune 500 companies worldwide. The CloudFuzion™ platform is available as a service (PaaS) and used on larger public clouds and high performance computing environments and runs natively on all major OS platforms including Windows®, Linux®. The management team has over 100 combined years of experience working with cloud computing technologies. Axceleon is headquartered in Southern California, with offices in Silicon Valley, New York, Singapore, Ireland and China. Axceleon offers fast, reliable technical support and services, and is a recognized leader in the cloud technology space. For more information, visit the Axceleon Web site at <http://www.axceleon.com>.