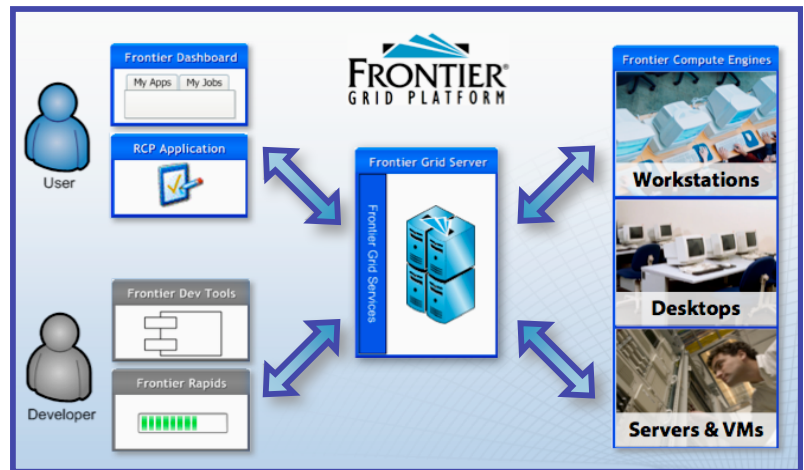


Frontier[®] Enterprise Grid Platform

A High-Performance *Computation on Demand*[®] SOA Solution
Using Your Existing IT Infrastructure

What Is Frontier?

- The Frontier Grid Platform, a proven enterprise software solution in its 11th year, harnesses the idle capacity of existing IT resources and delivers it as an easy-to-use supercomputer.
- Highly secure and unobtrusive, Frontier is used to manage grids ranging from small lab deployments to large enterprise grids comprised of 10,000+ computers, from laptops to mainframes, **without affecting normal enterprise operations.**
- A commercial-grade **turnkey grid solution**, Frontier can be fully **deployed within 15 minutes** and comes with everything required to run grid-powered applications immediately.
- Frontier dramatically reduces the time required to run existing **data-heavy** and **compute-intensive** workloads, and enables users to solve problems previously thought to be intractable – **all while avoiding costly hardware expenditures.**



Works with...
▪ Desktops ▪ Servers ▪ Windows, Linux, Mac OSX
▪ Workstations ▪ Clusters

Frontier's Value Propositions

- Creates a robust, extreme-scale utility computing service at <5% of the cost of HPC hardware.
- Reduces current processing times by 1000x or more.
- Maximally utilizes your existing IT infrastructure.
- Reduces the burden and costs of power/space/cooling associated with the purchase of new hardware.
- Provides interoperable grid services:
 - Facilitates service oriented (SOA) "mash-ups"
 - Supports reuse of legacy applications
- Throughput accelerates as infrastructure is upgraded through normal "tech refresh" cycles.

Frontier's Key Features

- **Highly Secure**
- **Easy to Use**
- Platform Agnostic
- Fault Tolerant
- Unobtrusive
- Massively Scalable
- Developer Friendly
- Richly Configurable
- Rapid Deployment
- Web Services Framework
- Supports **data-heavy** and **compute-intensive** problems

To learn more, visit these webpages:
<http://www.parabon.com/tour/overview.html>
<http://www.parabon.com/frontier-grid-platform/>



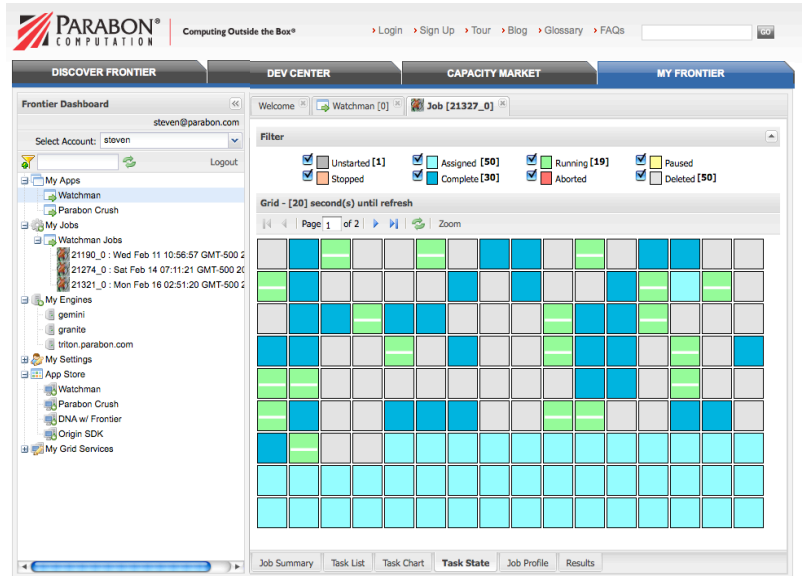
Computing Outside the Box[®]
www.parabon.com

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Why Frontier?

- **Fast.** Built for extreme scalability. Frontier harnesses the power of unlimited computers to create a virtual supercomputer.
- **Proven.** Launched in 2000, Frontier was the first grid computing solution to be offered in the marketplace and has been used in a wide array of industries.
- **Secure.** Most secure grid computing platform on the market. Developed entirely in the United States by US Citizens.
- **Green.** Frontier harnesses the unused capacity of existing IT resources you already own. There's no need to buy new hardware.
- **Easy.** Frontier is easily installed and ready to use via our Frontier Dashboard **within 15 minutes.**



The Frontier Dashboard is a browser-based portal that allows authorized users to select, use or develop Frontier-powered apps. From this intuitive interface, users can easily launch, manage and monitor jobs, and track computational usage.

Government Users of Frontier



Evolutionary Computation (EC): Created Frontier-powered EC applications for decision support, network vulnerability detection and satellite antenna design.



Decryption: Frontier-enabled decryption service is available to law enforcement personnel throughout the country. (Partner: AccessData[®])



Communications Simulation: Creating Frontier-powered cellular, satellite, and wireless broadband system simulation service for the telecommunications industry. (Partner: WVU)



Enterprise Deployment: Currently deploying Frontier across 10,000 nodes within the Department of Defense, and using them to perform predictive modeling.

Domains Well-Suited for Frontier

Frontier enables fast and affordable solutions for a myriad of high-performance computing (HPC) problems such as:

- Cyber security
- Optimization
- Cryptography
- Predictive analysis
- SOA load testing
- Sensor placement analysis
- Data mining & correlation
- Logistics planning
- Modeling & simulation
- Robotic motion planning
- Parameter studies
- Nanotechnology design
- And many more...



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