

Parabon is a veteran provider of grid and cloud computing solutions, and has customers across a variety of market sectors. A year after its 1999 founding, the Company launched its flagship product, the **Frontier<sup>®</sup> Grid Platform**. Parabon, based in Reston, Virginia, holds two patents for grid computing technologies and has extensive experience solving data-heavy, compute-intensive and distributed command & control problems with Frontier.

The Company's capabilities are summarized below:

- Development and management of **large-scale grid and cloud computing platforms and services**
- Development of a **virtualization framework** that supports programmatic provisioning of VMs across grid/cloud infrastructure
- Development of **Software as a Service** (SaaS) architectures and applications
- **Modeling & simulation** of computationally complex problems
- Creation of **developer tools** (e.g., SDKs, libraries, APIs, plug-ins, etc.)
- Modernization of computing infrastructures using **service-oriented architectures** (SOA) and **representational state transfer** (REST) protocols
- Grid and SaaS enablement of new and existing applications
- Development of **scientific applications**
- Data mining, statistical analysis and predictive analytics using deep computational methods

## SELECTED GOVERNMENT CUSTOMERS



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



**Communications Simulation (NSF):** Creating a service to test communications protocols for the telecommunications industry.



**U.S. Intelligence Agency (US Intel):** Working with a U.S. intelligence agency on a massive Intelligence, Surveillance and Reconnaissance (ISR) problem.



**Decryption (DOJ):** Frontier-enabled decryption service for law enforcement personnel throughout the country. (with AccessData<sup>®</sup>)



**ModSim Platform as a Service (NASA):** Building a Modeling & Simulation as a Service (M&SaaS) platform accessible from any web browser.

**Cloud + Grid (NASA):** Deployed Frontier Server on NASA's Nebula Cloud to enable climate modeling across NASA desktops.

## PROFESSIONAL SERVICES

Parabon's highly experienced team can help you develop software solutions to your most challenging computational problems. You will have dedicated access to senior engineers and scientists, who, for the past decade, have been designing and deploying grid service architectures and Software as a Service (SaaS) applications in a wide variety of domains.

Parabon also delivers customized training courses that provide hands-on tutorials for developers and system administrators who want to take full advantage of extreme-scale computation. Training packages, which range from daily seminars to customized tutorials, teach developers how to build or adapt applications for Frontier and show systems administrators how to configure and manage a Frontier Grid.

## PROBLEMS WELL-SUITED FOR FRONTIER

**Data-Heavy Applications:** Data mining, ISR

**Compute-Intensive Processing:** Modeling & simulation

**Distributed Command and Control:** Capacity planning

**Cloud Services Management:** Load balancing

## VALUE ADDED RESELLERS

Centauri Solutions, LLC  
Human Touch, LLC  
Jackpine Technologies, Inc.  
Three Wire Systems, LLC

## CHANNEL PARTNERS

Carahsoft Technology Corp.  
SRA International, Inc.  
TKC Integration Services, LLC

## CONTRACT VEHICLES



ENCORE II



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Founded in 1999

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## WITH THE FRONTIER GRID PLATFORM, YOU WILL:

**Save Money:** Increase ROI on existing IT infrastructure; Consolidate servers; Reduce power, space & cooling costs; Avoid costly hardware expenditures

**Save Time:** Reduce processing time; Deploy quickly; Adapt legacy applications easily; Improve developer productivity

**Do More:** Develop extreme-scale solutions; Run a variety of applications; Deploy cloud services across the enterprise; Scale massively

**Enjoy Ease of Use:** Operate unobtrusively; Access solutions anywhere; Automate virtualization; Adapt to a variety of network topologies

**Maintain Control:** Centrally manage grid resources & operations; Stay informed; Audit grid & cloud usage and provide transparency; Track resource availability

**Compute with Confidence:** Trust a proven solution; Depend on Frontier's reliability; Remain highly secure; Support disaster recovery/continuation of operations

## ABOUT OUR PRODUCTS



Parabon's flagship product, the **Frontier Grid Platform**, is available as an enterprise software solution. It is a turn-key, commercial off-the-shelf (COTS) product that includes everything you need to transform your organization's existing IT infrastructure into a secure distributed computing platform — without having to buy new hardware.

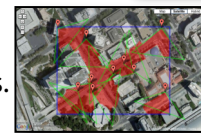
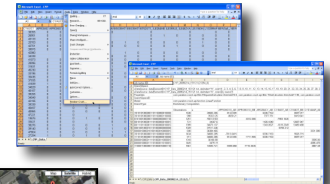
Your Frontier grid will enable you to harness computational capacity on both dedicated and "idle" resources to power data-heavy and compute-intensive grid jobs, as well as to host distributed command & control and cloud service applications.

## SELECT FRONTIER APPLICATIONS

**Parabon Crush™:** A data mining, statistical analysis and predictive modeling application enhanced with a search algorithm.

**Parabon Watchman™:** Optimizes sensor positioning using grid-enabled Evolutionary Computation techniques.

**Parabon Blitz™:** Distributed denial-of-service (DDoS), load and performance testing application powered by the Frontier grid.



## FRONTIER DEVELOPMENT TOOLS



**Frontier SDK:** A collection of software tools that enable clients to write, monitor, and control the execution of grid jobs.



**Frontier IDE Plug-in for Eclipse:** An Eclipse plug-in that enables developers to load and run Frontier applications.

**Frontier Rapids™:** An Integration & Execution Environment for executing legacy applications on Frontier without modification.

**Frontier JumpStart™:** An application generator to create fully functional Frontier applications in less than 10 minutes.



**Origin™ Evolutionary SDK:** A grid-enabled evolutionary computation framework for optimizing existing models or simulations.