

Frontier® Enterprise Grid Platform

Unleash the Virtual Datacenter Within Your Existing IT Infrastructure
and Immediately Increase its ROI

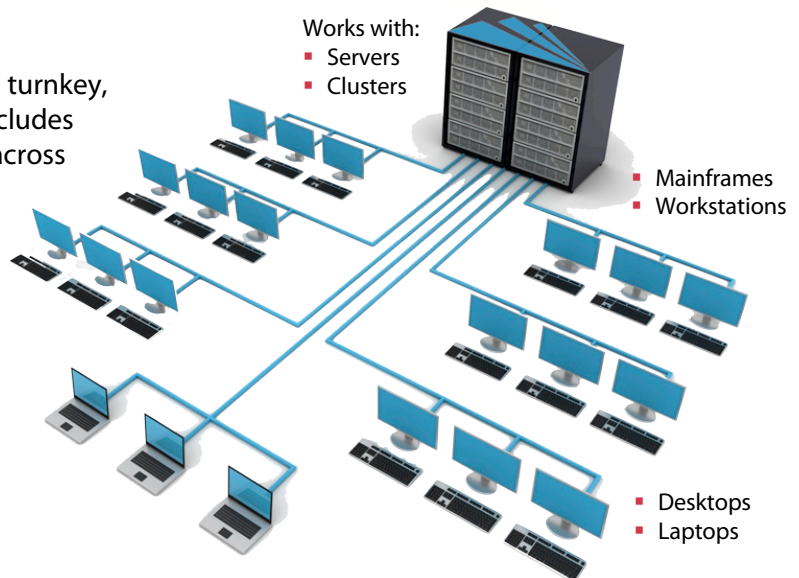
What Is Frontier?

Parabon's **Frontier Enterprise** grid software is a turnkey, commercial off-the-shelf (COTS) solution that includes everything you need to deploy a powerful grid across your organization's IT infrastructure.

Secure, OS-agnostic and unobtrusive, Frontier enables you to harness computational capacity on both dedicated and "idle" resources to run data-heavy, compute-intensive, and distributed command and control applications.

New! Integrated VM Management Takes Virtualization to the Extreme

Frontier provides programmatic provisioning of Virtual Machines, allowing you to **host cloud services** and **launch grid jobs** simultaneously, all within your enterprise.



Increase ROI with Frontier

- Enterprise computers operate at only 10% capacity. By harnessing the other 90%, Frontier enables your organization to do more with assets it already owns.
- Frontier's Total Cost of Ownership is less than 5% of comparably-powered computing hardware.
- Frontier avoids the power, space and cooling issues that accompany dedicated hardware environments.
- Frontier's throughput accelerates as infrastructure is upgraded through normal "tech refresh" cycles.
- It comes with a rich set of tools to facilitate the rapid development of grid and cloud applications, so there's nothing else to buy.



The enterprise *is* the datacenter.

Frontier's Key Features

- **Integrated VM Management:** Users can programmatically launch grid jobs or instantiate cloud services to auto-provisioned VMs.
- **Fast, Easy Deployment:** Frontier is a fully functional grid turnkey solution that is deployed in 15 minutes!
- **Multi OS and Cloud Support:** Install Frontier natively on all major operating systems or as a virtual appliance under VMware or Xen.
- **Rock-Solid Security:** Frontier has multiple layers of safeguards built-in for protecting both providers and users, making it the most secure grid on the market.
- **Service Orientation:** More than grid middleware, Frontier comes with a complete services stack that includes IaaS, PaaS and SaaS.
- **Extreme Scalability.** Frontier is used to manage grids ranging from small lab deployments to large networks comprised of 10,000+ computers — without affecting normal enterprise operations.
- **Proven Reliability.** Launched in 2000, Frontier manages the largest and longest continuously running public grid in the world.

www.parabon.com

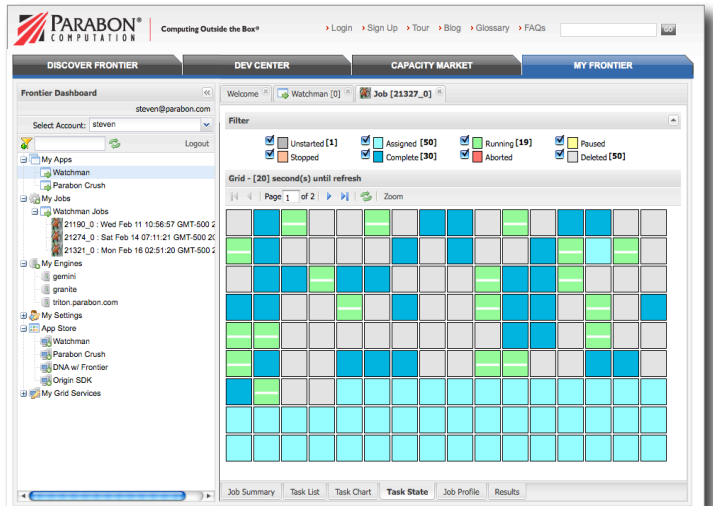


Computing Outside the Box®

Why Frontier?

Frontier Enterprise can deliver immediate benefits to you and your organization. With Frontier you can :

- **Dramatically Reduce Current Processing Times.**
By aggregating computational capacity across potentially thousands of computers, Frontier can reduce the processing time of large workflows by several orders of magnitude.
- **Solve Problems Previously Considered Intractable.**
With its easy access to powerful, on-demand computation, Frontier enables users to “think big,” and solve problems never before thought possible.
- **Avoid Costly Hardware Expenditures.**
Frontier creates a utility computing service using the existing computational capacity of your enterprise, so you don't have to buy new hardware.
- **Maximize the ROI of Existing IT Resources.**
You've paid for the computers and networks comprising your IT infrastructure. Frontier lets you get the most out of those investments without affecting normal operations.



The **Frontier Dashboard** is a full-featured interface that allows you to select apps from the AppStore, launch jobs, instantiate services, monitor usage, or get results — all from any standard web browser.

Deploy Everywhere:

- Windows XP through Windows 7
- Linux
- Mac OS X
- Solaris
- Hypervisors from VMware or Xen

Government Users of Frontier



DOD

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



NSF

Communications Simulation: Creating a service to test communications protocols for the telecommunications industry.



US Intel

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



DOJ

Decryption: Frontier-enabled decryption service for law enforcement personnel throughout the country. (with AccessData®)



NASA

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

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

Domains Well-Suited for Frontier

Users worldwide have already tapped the power of the Frontier Platform for:

Data-Heavy Applications:

- Data mining
- Predictive modeling
- Intelligence, Surveillance, and Reconnaissance (ISR)

Compute-Intensive Processing:

- Modeling & simulation
- Evolutionary optimization
- Sensor placement optimization
- DNA Nanotechnology

Distributed Command and Control:

- Distributed Denial of Service (DDoS) testing
- Vulnerability analysis
- Network monitoring

And many more!

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