

Philitern

Platform Computing



What does Platform Computing do?

- Platform Computing develops intelligent, practical grid software to help organizations optimize IT resources to fuel business performance
- Our business is grid software solutions (Flagship product: LSF)

What Makes Platform Unique?

- Industry-leading partnerships virtually all system vendors and ISV's
- Global Presence
- 1,600 Fortune 2000 customers around the world
 - GM, GE, Boeing, Nissan, Airbus, Daimler-Chrysler, Pratt & Whitney
- 12 years experience with mature, proven production solutions
 Demonstrated success in automotive, aerospace and general manufacturing
- Dedicated vertical industry teams and expertise
 Products, solutions, support and services





Choosing a Grid Solution and Technology Partner

Grid solutions deliver significant value only if they satisfy key technical and business criteria for your organization -10 evaluation areas for value realization



Patient Industrial Manufacturing Solution Landscape

Grid solutions allow Platform to deliver significant value to all aspects of the manufacturing enterprise. By using Platform solutions, more work can be done in less time on the existing IT infrastructure. This has been proven to result in faster to market, higher quality, and more innovate products.



Pattern

Industrial Manufacturing Solutions for MCAE

Virtually all MCAE applications have been integrated with Platform technologies. These solutions are running on servers, desktops, and across multiple locations.



Platform Solution for MCAE	Acceleration
MSC.Patran, MSC.Patran Ana Virtually any batch or interactive Platform cluster Ability to extend grid computing to U CPU cycles	ISIGHT, Fluent, LS-DYNA, MSC.Nastran, lysis Manager e MCAE and EDA application can be run in NIX or Windows workstations to harness idl o allow geographic collaboration and sharing
Bottom line benefits Reduce IT capital expenditures by 20% to 40% Reduce operational expenditure spending by 5% to 10% Increase workload throughput by 10 times to 25 times Increase utilization of the existing IT infrastructure by 25% to 75%	Top line benefits • Higher quality (lower warranty costs) • Lower material costs • Faster time to market • Higher customer satisfaction • Improved standards compliance • Better crashworthiness ratings













The Challenges

Multiple jobs

- How can engineers find the right resources to run all the jobs they need to run
- How can they manage all of these jobs

Heavy memory and disk requirements

- Budget limitations may limit the amount of resources
- How does one match job requirements to available resources?

Long Duration

- How can engineers run big jobs and still leave resources available for smaller jobs?
- How can an organization fairly allocate limited resources?

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The Integrations

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Product Name	Job Submission	Check pointing	Parallelization	License Scheduling
LS-Dyna	Yes	Yes	Yes	

Platform	Some flagship clients running LS Dyna on Grid		
	Proctor and Gamble on HP Opteron Linux using Scali MPI		
	Land Rover Jaguar		
	GM		
	DCX		

Automotive manufacturers tell us that they use anywhere from 75%-80% of their HPC capacity for Dyna

Conclusion

The capabilities of an organization are measured by the size of the jobs it can handle.

By effective utilization of existing resources, most companies could run larger jobs than they run today.

Which leads to a new definition of "large"...

Thank you.	
	Platform