IBM

IBM and Linux help petroleum companies gain a competitive edge.

- *Streamlined operations. Get more computing power for your investment by moving workloads onto one of the IBM @server family of servers.*
- *Distributed enterprise. Deploy low-priced Linux workstations and servers to power your enterprise without significantly raising your infrastructure costs.*

Why Linux?

- *High performance — offers better uptime performance than Microsoft® Windows® platforms, according to the Standish Research Group[1]*
- *Cost effective — open source platform requires no licensing fees*
- *Flexible — provides complete portability, running on multiple platforms*
- *Built for growth — sets records for cluster computing scalability.*

Challenging industry, growing investment needs

Petroleum companies face an ever more challenging business environment. Increasingly volatile and unpredictable oil and gas prices coupled with regional and global economic downturns make the ability to find and commercially exploit oil and gas deposits even more critical. Information technologies have played a key role in exploration and production, important drivers of past success in the oil and gas industry. Now, with intensifying competition for prime exploration acreage and a greater need to increase recovery

from existing fields, development and deployment of faster, more powerful technologies continues to be crucial. IBM and Linux® are providing cost effective, leading-edge solutions to help you address petroleum industry challenges.

Petroleum companies are competing by leveraging the power of Linux

Linux is already at work in the petroleum industry, helping to build revenue and cut costs in many ways, including:

- *High-performance computing. Leverage Linux Intel clusters to build high-performance systems that can execute complicated seismic data processing, analysis and reservoir modeling.*

Landmark teams with IBM on Linux, saving the industry $1 billion

A leading ISV of decision-making software and services for the oil and gas industry, Landmark Graphics Corp., supplies a full suite of integrated technologies for exploration, drilling and production, including a productivity-enhancing technical-to-business process integration called T2B. This technological leader for the oil and gas industry, recognized that many of its customers were looking

to the cost effective reliability, scalability and strength of Linux. So Landmark went beyond just committing to offer all its technologies on the Linux platform. Landmark also forged a strategic agreement with IBM to deliver the oil and gas technologies on high-performance IBM Linux clusters. This solution promises to save oil and gas producing companies more than $1 billion over the next three years.

WesternGeco implements Linux for better computing performance

Created to provide seismic information services to oil companies worldwide, WesternGeco needed a powerful computing solution capable of working with high-end algorithms and producing subsurface images quickly. To supplement its existing system of IBM @server pSeries™ servers, WesternGeco created a Linux super-cluster of IBM @server xSeries™ machines. The result: higher performance and more satisfied customers.

CGG's Linux cluster delivers value of seismic proportions

A major player in the $3.8 billion seismic services market, Paris, France-based Compagnie Générale de Géophysique (CGG) created a cluster of xSeries servers running Linux to support 3D seismic surveys. With this highly reliable and scalable infrastructure, CGG has obtained 1.25 teraflops of processing power at 50 percent of the lower cost of alternative solutions, while offloading its mainframe for other tasks.

IBM: the fast, safe, sure way to Linux

Whether you leverage IBM for Linux-based hardware and software, consulting services or day-to-day technical support, you'll get a Linux solution with significant measurable benefits. IBM has optimized its technology for the Linux platform—from its WebSphere® infrastructure software to its DB2® data management software to the IBM @server systems. And IBM's full line of services, from staff training programs to Solution Partnership Centers, delivers the services you need to make your Linux deployment a success.

IBM's commitment to Linux is unparalleled in the industry. The company has invested more than $1 billion and the time of over 250 professionals at IBM Linux Technology Centers. It has established strategic partnerships with key Linux distributors including SuSE, Caldera, Red Hat and Turbolinux. In fact, IT analyst firm D.H. Brown recently recognized IBM's record of achievement in the Linux platform, giving it the highest rating for industry leadership in several areas, including its breadth of products, focus on applications, and services and support. IBM's contribution to Linux surpassed that of Compaq, Dell, HP and Sun, according to D.H. Brown. Maybe that's why so many petroleum companies have already embraced Linux with the help of IBM.

Linux-based petroleum industry applications are available today

Others are following IBM's lead. Industry leading independent software vendors have created more than 2,800 enterprise-level applications for Linux. Isn't it time for your company to talk to IBM about Linux?

For more information

Please contact your IBM marketing representative or IBM Business Partner.

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