IBM

Tivoli® software

The freedom of Linux. The business impact management of Tivoli software from IBM.

"IBM hardware and IBM Tivoli® storage management software running on Linux® enable us to identify and prevent potential problems. We needed a solution that could scale easily with our company's rapid growth and handle our storage backup needs."

– Alvaro Albarracin, Chief Executive Officer, Dialtone Internet

Weather the changing tides

In business, it's natural for customer demands to shift and the competitive landscape to evolve. Through it all, your e-business infrastructure must adapt to continually deliver the applications that connect your company to customers, partners and suppliers.

But justifying new infrastructure expenditures can be challenging when you have an existing investment to protect. And introducing new hardware and software can make your infrastructure more complex to manage.

How can you lead your business with innovative technology without overextending your management resources? With Tivoli technology management software from IBM and Linux, that's how.

An open-source operating system (OS) known for its stability and flexibility, Linux is turning heads as the market's fastest-growing server OS. Consider consolidating your e-business or other critical business systems on IBM @**server** zSeries™ servers running Linux to lower your costs by sharing computer resources, saving space and power and

simplifying systems management. Deploy Tivoli software from IBM to manage your e-business infrastructure with ease and efficiency, and run it on Linux as well, for additional cost savings and exceptional reliability and performance.

Together, Tivoli software and Linux deliver the control you need over your IT infrastructure to support continued application innovation. You can be proactive instead of reactive, and align your infrastructure with your business processes so that technology not only supports your processes but also generates positive returns.

Maximize your technology resources

With Tivoli software for Linux, you can manage new technology while leveraging your enterprise's existing technology investments, taking advantage of the products' multiplatform support. By providing an integrated solution for complete e-business infrastructure management, Tivoli software enables you to make sure your systems are accessible to everyone who needs them, whenever they need them. With Tivoli software, you can:

- *Secure the privacy of customers interacting with you electronically*
- *Automate operational tasks*
- *Spot potential problems before they cause harm*
- *Preserve data availability.*

The Tivoli software portfolio helps you maximize the fundamental technology management areas that concern you: security management, configuration and operations capabilities, performance and availability, and storage. By doing so, Tivoli software supports your efforts at providing your customers the best experience they can have with your organization.

Be safe and sound

For security management, Tivoli software, which is built on a policy-based model, helps you align your Web access control with your corporate information access policies. You can then easily manage user accounts across platforms, keep personal data private and carry out authentication and authorization policies.

Protect your IT investments while you incorporate new technologies

In this area, IBM Tivoli Access Manager provides an integrated set of solutions for complete, integrated application security. Each of these solutions can be implemented independently of one another, or they can share infrastructure and data for the consolidated management of security policies. For example, Tivoli Access Manager for e-business V3.9 can be deployed on Linux to bring users, systems and applications online faster. It also delivers:

- *Web-based single sign-on and secure customer session management within an enterprise and across business affiliates*
- *Secure application platform capabilities for integrating common, policy-based security into Web application servers and business applications such as customer relationship management, business-to-business and business-to-commerce portals, and e-commerce*
- *Scalability, high availability and performance to support millions of users*
- *Flexible, Web-based distributed administration and multilevel delegation capabilities to business units and affiliates.*

Automate everyday responsibilities

To support your configuration and operations capabilities, use Tivoli software to manage software deployment, support remote control and execute operational tasks across heterogeneous platforms. In this way you can also access system information such as software versions and formats of remote users.

IBM Tivoli Workload Scheduler is an example of a Linux-ready production automation solution for managing workloads in distributed computing environments. Tivoli Workload Scheduler coordinates and automates mission-critical application execution across the enterprise, yielding consistent and reliable operations.

With Tivoli Workload Scheduler, you can plan and organize every phase of your workload production environment, minimizing idle time and improving throughput. Jobs won't run out of sequence and, should a job fail, the product manages the recovery process with little or no administrator intervention. Tivoli Workload Scheduler also enables you to:

- *Increase system control, ease of use and production capacity*
- *Extend the scope of centralized workload management*
- *Minimize the need for workload management skills at remote locations.*

3

"We're currently deploying several IBM Tivoli products running on Linux. Tivoli products help us manage our hardware and database backups on AIX® and Windows®, and we save money by not having to hire a lot of dedicated personnel to manage our infrastructure."

– Chris Hogue, Chief Information Officer and Founder, MDS Proteomics

Derive value from your systems

Perform at high levels

In the area of performance and availability, Tivoli software gives you a complete view of your applications, alerts you to problems and enables you to pinpoint their root causes. You can also analyze the health of your IT components to uphold quality of service.

An example of a solution in this category is IBM Tivoli Monitoring, an automated, Linux-ready product that provides user access to mission-critical distributed applications and computing resources. With this product, which provides more than 1,500 predefined monitors and responses right out of the box, you have an easy, centralized means to group and monitor your key computing resources, no matter where they are located. Tivoli Monitoring also provides automatic:

- *Configuration and deployment of policy-based resource monitors and actions*
- *Problem detection through distributed monitoring*
- *Preventive and corrective actions.*

Protect your data assets

By using Tivoli software for your storage needs, you can recover and restore essential data while managing storage enterprisewide across 37 different server platforms and backend systems all from a single console. You can also manage application-specific data, automate business recovery procedures and manage storage area network (SAN) components and attachments.

Protecting the data of more than one million computers worldwide, IBM Tivoli Storage Manager is an example of a Linux-ready product for managing storage, network backup and disaster recovery. Following an easy installation process, Tivoli Storage Manager lets you backup only new and modified files, saving time and disk space. With this product, you also get:

- *Centralized administration for data and storage management*
- *Efficient management of information growth*
- *High-speed, automated data recovery*
- *Integrated disaster recovery*
- *Compatibility with hundreds of storage devices, as well as local area networks (LANs), wide area networks (WANs) and SANs*
- *Customized backup solutions for major enterprise resource planning (ERP) applications and database products.*

Learn from experience

As the install base of Linux customers continues to grow, so does the supply of real-life examples that showcase how companies are benefiting from the OS. Dialtone Internet presents such an example. A managed, dedicated hosting provider with data centers in Florida, Mexico and the United Kingdom, Dialtone Internet offers IBM servers running a modified version of Red Hat Linux. As part of its managed hosting services, the company is using Tivoli Storage Manager and IBM storage hardware.

Says Alvaro Albarracin, Dialtone Internet's CEO, "Our IBM Tivoli solution backs up Linux, Cobalt, Windows and many other operating environments, and it also offers Web-based customer interfaces and other features critical to our business's success. We chose Linux because it is stable and efficient and, with access to the source code, it enabled us to make improvements in-house. Equally important, Linux scales to higher performance hardware that we are using, such as the IBM @server pSeries™ servers."

Trust the e-business leader

IBM today leads in e-business software shipped for Linux, a testament to its full commitment to Linux and the open-source community. Tivoli for Linux means:

- *Flexibility — because it is integrated to provide comprehensive systems management, and ideal for working across multiplatform environments*
- *Reliability — since it can enable your systems to remotely identify and resolve incidents at an early stage*
- *Cost effectiveness — as Tivoli software can manage both Linux and other leading platforms, reducing systems management overhead costs.*

In addition to Tivoli technology management software, IBM offers Linux solutions covering many other needs: DB2® data management software, WebSphere® infrastructure software for dynamic e-business and Lotus® collaboration, e-learning and knowledge-enabling software.

Help should you need it

Every year, many companies like yours select Linux for their business-critical applications. And every year, their choice is justified as more Linux-ready applications become available.

In 2001, IBM's Independent Software Vendor (ISV) partners boosted the number of Linux-based applications to more than 3,000 — a 75 percent increase. Many of these applications are certified Tivoli Ready™ and can thus integrate seamlessly with enterprises managed by Tivoli software. Also in 2001, IBM experienced an 800 percent increase in the number of software Business Partners who declared themselves ready to support Linux[1]. In addition to its Business Partners, IBM also has a cadre of specialists providing services and support to assist with your development efforts.

Bring high performance and stability to your e-business infrastructure by running on Linux. And optimize your infrastructure to adapt to business changes and maximize value by deploying Tivoli software from IBM.

For more information

Contact your IBM marketing representative or IBM authorized software reseller, or visit our Web site at **ibm.com**/software/tivoli

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