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HP Introduces Linux Security Software and its First Pervasive Linux Product for Intelligent Devices

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Additionally, HP Unveils a Developers Portal,
Manageability and High Availability Software Tools,
and New Offerings and Partnerships in Europe
Further Strengthen its Open Source Commitment

BOEBLINGEN, Germany, August 22, 2001 -- Hewlett-Packard Company (NYSE:HWP) today further strengthened its commitment to open source with several new offerings, including the first comprehensive security product for Linux-based systems.

HP has announced HP Secure OS Software for Linux and its HP Chai-LX embedded Linux software platform, expanding the company's comprehensive Linux offerings into two key strategic markets where customers are demanding reliable Linux solutions--security and intelligent devices.

HP also announced its intention to open source its ChaiServer product, unveiled a broad offering of manageability and high availability products for Linux environments, announced its Embedded Software Developers Network (devnet), and unveiled two new Linux-based workstations in Europe.

"With Linux solutions integrated and implemented across every HP business, HP believes it has the most comprehensive Linux program currently available in the marketplace," said Martin Fink, general manager, HP Linux Systems Operation. "We're well aware of the need for reliable security on Linux, and the new HP Secure OS Software for Linux meets that need. What's more, we are confident that Linux can become an integral part of the growing consumer device explosion, so we have developed Chai-LX Software Solutions, launched devnet and expanded our suite of industry-leading tools for the Linux environment."

- **HP Secure OS Software:** HP Secure OS Software is the first complete security product for Linux-based systems that provides prevention, containment and detection with multiple layers of security. The HP Secure OS Software solution has a secure platform that protects crucial server components which includes the operating system and application layer. As part of the Linux system, this security solution prevents unauthorised communication between programs, networks and files. If the Linux-based system is penetrated, the Secure OS Software containment feature locks the program, which prevents damage to internal systems.
- **Chai-LX:** A key element of HP's Linux Strategy is to make Linux pervasive by extending it to intelligent, connected devices. HP has developed HP Chai-LX, an embedded Linux-based software platform, to power new HP consumer appliances. Chai-LX is a customisable software platform that enables intelligent, connected devices to host Java applications and dynamic web services. Chai-LX combines an optimised embedded Linux operating system with HP's Chai software and selected Java applications. It is being integrated into a broad range of HP consumer appliances, including the HP Digital Entertainment Center, an Internet-enabled stereo component that can download and store MP3 files, access

web-based entertainment information and create custom CDs in the living room.

HP plans to open source its ChaiServer product, an embedded Java application server for intelligent, connected devices. Currently, HP ChaiServer is deployed in millions of web-connected HP LaserJet printers to enable web-based printing services.

- **Devnet:** Devnet, which reinforces HP's commitment to collaborate with the open source community, provides a web-based collaborative development environment for HP's Chai embedded software platform and intelligent, connected devices. Devnet is comprised of developer communities delivering tools for creating applications and e-services. Initial devnet communities include HP Chai, Cooltown—featuring the Coolbase open source project, Print and Image, and an open source network for continual exposure to HP's open source projects. Devnet is located at <http://devnet.hp.com>.
- **Manageability and High Availability Tools:** HP knows that the manageability of Linux is critical to its adoption in customers' IT environments. As such, HP has introduced administrative tools specifically designed to ease manageability of Linux environments—from those using Linux as web servers or for application development to those running mission-critical applications on Linux where high availability is needed. HP is providing out-of-the-box integration with products from vendors such as Aduva, Integrated Research Ltd., Network Shell, Symark Software, and the TOLIS Group.

HP's tools for hardware management, system management, and high availability on Linux systems, include HP Tootools 5.5, HP Servicecontrol Manager 2.5, HP Process Resource Manager, and MC/Serviceguard.

HP will be showing all of these offerings at LinuxWorld in San Francisco next week.

HP's Focus on Linux in Europe

- **HP partners with MandrakeSoft:** HP partners with MandrakeSoft in Europe for the leadership position in the Intel-based Linux server market in the Small and Medium Sized Enterprise sector. HP has certified version 7.2 of the award-winning Linux-Mandrake distribution on its IA-32 Intel based server range. This certification represents an important step in MandrakeSoft's drive to grow Linux server market share in the SME sector.

- **HP Introduces RAID Ready and Cluster Capable for its Popular Plug and Play Linux Servers:** HP's newest Plug and Play Linux Server allows for migration to any RAID level when a controller is added—no reformatting needed. If two systems are used, the kernel and included software are capable of making a cluster. High availability clusters can be created with the Plug and Play Linux servers using HP MC Service Guard.
- **Linux-based Workstations:** HP's new Linux-based versions of its x2000 and x4000 workstations are further proof of HP's comprehensive Linux and open source strategy in Europe. These systems join HP's other two Linux-based workstations, the pL-class and xL-class Intel® Pentium® III systems. Both workstations are available today through direct and channel sales. Additional information on the x2000 is available at <http://www.hp.com/workstations/products/linux/x2000/specs.html>, and additional information on the x4000 is available at <http://www.hp.com/workstations/products/linux/x4000/specs.html>.

About Linux at HP

HP has a comprehensive Linux and open source strategy based on the understanding that Linux is the preferred platform for a wide variety of business needs. HP believes in developing its Linux solutions by collaborating with the open source community and integrates and implements Linux across HP to provide customers with industry-leading Linux solutions that feature HP Netervers, server appliances, 3D workstations and business desktop PCs, storage products, printers, intelligent devices, developer tools, system management and security software, services and support. More information is available at <http://www.hp.com/linux>.

About HP

Hewlett-Packard Company -- a leading global provider of computing and imaging solutions and services -- is focused on making technology and its benefits accessible to all. HP had total revenue from continuing operations of \$48.8 billion in its 2000 fiscal year. Information about HP and its products can be found on the World Wide Web at <http://www.hp.com>.

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