

Linux on PowerPC

Abstract:

The Linux kernel runs on a wide variety of PowerPC-based machines, ranging from small embedded processors and handhelds to large servers. The rapid maturation of the Linux kernel means that Linux is being used increasingly widely in business and academia, and is now the operating system of choice for most high-performance computing applications. This presentation gives an introduction to and technical overview of Linux on PowerPC machines and talks about some of the interesting ways in which Linux is being used on PowerPC machines today.

***Paul MacKerras** has been a Linux kernel developer since 1996, when he ported the Linux kernel to run on his Power Macintosh, and has contributed to numerous other open-source projects. He joined the IBM Linux Technology Center in 2001 and is now the PowerPC Linux kernel architect, having overall responsibility within IBM for the parts of the Linux kernel that relate to running on PowerPC-architecture machines. He is also the Linux kernel community maintainer for the 32 and 64-bit PowerPC kernel ports. He has a B.Sc. and a B.E. from the University of Queensland and a Ph.D. in Computer Science from the Australian National University.*