Linux Enterprise Cluster: Build a Highly Available Cluster with Commodity Hardware and Free Software

By Karl Kopper

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The Linux Enterprise Cluster explains how to take a number of inexpensive computers with limited resources, place them on a normal computer network, and install free software so that the computers act together like one powerful server. This makes it possible to build a very inexpensive and reliable business system for a small business or a large corporation. The book includes information on how to build a high-availability server pair using the Heartbeat package, how to use the Linux Virtual Server load balancing software, how to configure a reliable printing system in a Linux cluster environment, and how to build a job scheduling system in Linux with no single point of failure.The book also includes information on high availability techniques that can be used with or without a cluster, making it helpful for System Administrators even if they are not building a cluster. Anyone interested in deploying Linux in an environment where low cost computer reliability is important will find this book useful.The CD-ROM includes all of the software needed to build a Linux Enterprise Cluster, including the Linux kernel, rsync, the SystemImager package, the Heartbeat package, the Linux Virtual Server package, the Mon monitoring package, and the Ganglia package. All figures in the book are also included on the CD-ROM.

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- Sales Rank: #943858 in Books
- Published on: 2005-05-15
- Released on: 2005-05-01
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .94" w x 7.00" l, 1.65 pounds
- Binding: Paperback
- 464 pages

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Not only provides a theoretical background but also a complete detail on how to actually implement [Linux clustering]. -- *Readers Preference, June 2005*

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Walks one through projects and pitfalls step-by-step... A 'must-have' for anyone interested in harnessing the power of a cluster. -- *Midwest Book World, June 2005 http://www.midwestbookreview.com/rbw/jun_05.htm*

About the Author
Karl Kopper has worked with distributed computing environments on many platforms, including Linux, Windows, Macintosh, a wide variety of UNIX platforms, and Tandem mainframes. As a consultant for a private wholesale food distribution company, he worked on the conversion to a new business system – the Linux Enterprise Cluster described in the book – that has worked flawlessly to date. When he's not building Linux clusters and studying free software projects he enjoys spending time in the garden, growing food with friends and family.

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