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Sommario/riassunto	This IBM Redbooks publication will guide system architects and systems engineers toward a basic understanding of cluster technology, terminology, and the installation of a Linux High-Performance Computing (HPC) cluster (a Beowulf type of cluster) into an IBM eServer Cluster 1300/Cluster 1350. This book focus on xCAT Version 1.1.0 (Extreme Cluster Administration Toolkit) for installation and administration. All nodes and components of the cluster, such as compute nodes and management nodes, are installed with xCAT. This toolkit is a collection of scripts, tables, and commands used to build and administer a Beowulf type of cluster or a farm of replicated nodes. xCAT commands and configuration files are explained in the appendixes of the book. Detailed procedures on how to properly configure the Red Hat Linux 7.3 operating system in the nodes of an HPC cluster are also presented.