Breaking the Availability Barrier III: ActiveActive Systems in Practice

By Bruce Holenstein

Authorhouse. Paperback. Book Condition: New. Paperback. 380 pages. Dimensions: 8.8in. x 5.9in. x 1.0in.Activeactive architectures can extend failure times from years to centuries. Activeactive systems comprise multiple independent nodes using a common distributed database cooperating in a common application. This book is the third volume of a three-part series on activeactive systems. It gives real-life examples of existing activeactive systems that are achieving such extraordinary failure intervals. As our daily lives and corporate well-being become more dependent upon computers, system reliability grows increasingly important. No longer are frequent system outages acceptable. Often, failure intervals must now be measured in centuries. In addition, the performance of these systems is analyzed; and a set of commercial off-the-shelf products are described that enable system implementations. There are many additional advantages of these multi-node architectures, such as unlimited scalability, load balancing, disaster tolerance, efficient use of all capacity, and risk-free failover testing. Also described are several other technologies related to high availability, such as the grid, virtual tape, and the Real Time Enterprise (RTE). There are many regulations being promulgated that require the use of high-availability computing. Many of these are summarized. Throughout this volume and the preceding two volumes, dozens of rules are...

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