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Descrizione fisica	1 online resource (xix, 261 pages) : illustrations (some color)
Collana	The expert's voice in Oracle
Disciplina	004 004.5 005.74 005.7565
Soggetti	Database management
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	"Exadata for the busy DBA"--Cover. Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""Contents at a Glance""; ""Contents""; ""About the Authors""; ""About the Technical Reviewer""; ""Acknowledgments""; ""Chapter 1: Exadata Basics""; ""What Is Exadata?""; ""Available Configurations""; ""Storage""; ""Smart Flash Cache""; ""Even More Storage""; ""Things to Know""; ""Chapter 2: Smart Scans and Offloading""; ""Smart Scans""; ""Plans and Metrics""; ""Smart Scan Optimizations""; ""Column Projection""; ""Predicate Filtering""; ""Basic Joins""; ""Offloading Functions""; ""Virtual Columns""; ""Things to Know""; ""Chapter 3: Storage Indexes""; ""An Index That Isn't""</p> <p>""Don't Look Here""; ""I Used It""; ""Or Maybe I Didn't""; ""Execution Plan Doesn't Know""; ""The More, the Merrier""; ""NULLs""; ""Needing to Rebuild a""; ""Things to Know""; ""Chapter 4: Smart Flash Cache""; ""Flash Me""; ""How It Works""; ""Logging We Will Go""; ""It's a Disk""; ""Monitoring""; ""Storage Server Tools""; ""Database Server Tools""; ""What a Performer""; ""Things to Know""; ""Chapter 5: Parallel Query""; ""Getting into the Queue""; ""Old School""; ""The New Method""; ""Control Issues""; ""Necessary Settings""; ""My Friend Auto""; ""Calibrate Me""; ""Make It So""</p> <p>""Do It in Memory""; ""Things to Know""; ""Chapter 6: Compression""; ""How Can I Compress Thee""; ""Basic""; ""OLTP""; ""Hybrid Columnar</p>

Compression (HCC)"; "QUERY"; "ARCHIVE"; "The Nuts and Bolts of HCC"; "Performance"; "When You Load"; "When You Query"; "When You Update"; "Ratiosa€?What to Expect"; "What Oracle Thinks"; "What You Get"; "Things to Know"; "Chapter 7: Exadata Cell Wait Events"; "Available Nowhere Else"; "Cell Events"; "Triggering Events"; "User I/O Events"; "Cell Smart Table Scan"; "Cell Smart Index Scan"; "Cell Single-Block Physical Read"; "Cell Multiblock Physical Read"; "Cell List of Blocks Physically Read"; "Cell Smart File Creation"; "Cell Statistics Gather"; "System I/O Events"; "Cell Smart Incremental Backup"; "Cell Smart Restore from Backup"; "Idle Class/Other Class"; "Cell Smart Flash Unkeep"; "Things to Know"; "Chapter 8: Measuring Performance"; "Measure Twice, Cut Once"; "Smart Scans, Again"; "Performance Counters and Metrics"; "Dynamic Counters"; "When to Use Them, and How"; "Let Me Explain"; "Performance Counter Reference"; "cell blocks helped by commit cache"; "cell blocks helped by minscn optimization"; "cell commit cache queries"; "cell blocks processed by cache layer"; "cell blocks processed by data layer"; "cell blocks processed by index layer"; "cell blocks processed by txn layer"; "cell flash cache read hits"; "cell index scans"; "cell IO uncompressed bytes"; "cell num fast response sessions"; "cell num fast response sessions continuing to smart scan"; "cell num smart IO sessions using passthru mode due to _____"; "cell physical IO bytes sent directly to DB node to balance CPU usage"; "chained rows process ed by cell"

Sommario/riassunto

Oracle Exadata Survival Guide is a hands-on guide for busy Oracle database administrators who are migrating their skill sets to Oracle's Exadata database appliance. The book covers the concepts behind Exadata, and the available configurations for features such as smart scans, storage indexes, Smart Flash Cache, hybrid columnar compression, and more. You'll learn about performance metrics and execution plans, and how to optimize SQL running in Oracle's powerful, new environment. The authors also cover migration from other servers. Oracle Exadata is fast becoming the standard for large installations such as those running data warehouse, business intelligence, and large-scale OLTP systems. Exadata is like no other platform, and is new ground even for experienced Oracle database administrators. The Oracle Exadata Survival Guide helps you navigate the ins and outs of this new platform, de-mystifying this amazing appliance and its exceptional performance. The book takes a highly practical approach, not diving too deeply into the details, but giving you just the right depth of information to quickly transfer your skills to Oracle's important new platform. Helps transfer your skills to the platform of the future Covers the important ground without going too deep Takes a practical and hands-on approach to everyday tasks.
