

1. Record Nr.	UNINA9910741196803321
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Titolo	Expert Oracle RAC 12c / / Syed Jaffar Hussain [and three others]
Pubbl/distr/stampa	New York : , : Apress, , 2013
ISBN	1-4302-5045-3
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (xxii, 439 pages) : illustrations (some color)
Collana	The expert's voice in Oracle
Disciplina	004 005.74 005.7565
Soggetti	Relational databases Parallel processing (Electronic computers) Database management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index. "Gain deep expertise in managing Oracle real application clusters"-- Cover.
Nota di contenuto	""Contents at a Glance""; ""Contents""; ""About the Authors""; ""About the Technical Reviewers""; ""Acknowledgments""; ""Chapter 1: Overview of Oracle RAC""; ""High Availability and Scalability""; ""What Is High Availability?""; ""Database Scalability""; ""Oracle RAC""; ""Database Clustering Architecture""; ""RAC Architecture""; ""Hardware Requirements for RAC""; ""RAC Components""; ""Grid Infrastructure: Oracle Clusterware and ASM""; ""Oracle RAC: Cache Fusion""; ""RAC Background Processes""; ""Achieving the Benefits of Oracle RAC""; ""High AvailabilityAgainst Unplanned Downtime"" ""Transparent Application Failover (TAF)""""Fast Connect Failover (FCF)""; ""Connect to the RAC Database with VIPs""; ""Application Continuity (AC) of Oracle 12c""; ""High Availability Against Planned Downtime""; ""Oracle RAC One Node to Achieve HA""; ""RAC Scalability""; ""Load Balancing Among RAC Instances""; ""Flex Cluster to Increase Scalability""; ""Consolidating Database Services with Oracle RAC""; ""Considerations for Deploying RAC""; ""Cost of Ownership""; ""High Availability Considerations""; ""Scalability Considerations""; ""RAC or Not""; ""Summary""

""Chapter 2: Clusterware Stack Management and Troubleshooting""
Clusterware 12cR1 and Its Components""; ""Storage Components of Oracle Clusterware""; ""Clusterware Software Stack""; ""High Availability Cluster Service Stack""; ""The CRS Stack""; ""Clusterware Startup Sequence""; ""ASM and Clusterware: Which One is Started First?""; ""Clusterware Management""; ""Clusterware Management Tools and Utilities""; ""Start Up and Stop Clusterware""; ""Managing Oracle Clusterware""; ""Managing OCR and the Voting Disk""; ""Managing CRS Resources""; ""Adding and Removing Cluster Nodes""
""Adding a Node""""Removing a Node""; ""Troubleshooting common Clusterware Stack Start-Up Failures""; ""Clusterware Exclusive Mode""; ""Troubleshooting OCR Issues""; ""Diagnose, Debug, Trace Clusterware and RAC Issues""; ""Debugging Clusterware Components and Resources""; ""OS Level Tracing""; ""Diagnose cluvfy Failures""; ""Grid Infrastructure Component Directory Structure""; ""Oracle Clusterware Troubleshooting - Tools and Utilities""; ""Cluster Health Check with CVU""; ""Real-Time RAC Database Monitoring - oratop""; ""Invoke the oratop Utility""; ""RAC Configuration Audit Tool - RACcheck""
""Invoke the RACcheck Tool""""Cluster Diagnostic Collection Tool - diagcollection.sh""; ""CHM""; ""RAC Database Hang Analysis""; ""Summary""; ""Chapter 3: RAC Operational Practices""; ""Workload Management""; ""Services""; ""Service Metrics""; ""Load Balancing Goals""; ""Runtime Failover""; ""Service in Second Network""; ""Guidelines for Services""; ""SCAN and SCAN Listeners""; ""SCAN Listener in Second Network (12c)""; ""Guidelines for SCAN Listeners""; ""Global Database Services (12c)""; ""Failover in RAC""; ""TAF""; ""Fast Connection Failover""; ""WebLogic Active GridLink""
""Transaction Guard (12c)""

Sommario/riassunto

Expert Oracle RAC 12c is a hands-on book helping you understand and implement Oracle Real Application Clusters (RAC), and to reduce the total-cost-of-ownership (TCO) of a RAC database. As a seasoned professional, you are probably aware of the importance of understanding the technical details behind the RAC stack. This book provides deep understanding of RAC concepts and implementation details that you can apply toward your day-to-day operational practices. You'll be guided in troubleshooting and avoiding trouble in your installation. Successful RAC operation hinges upon a fast-performing network interconnect, and this book dedicates a chapter solely to that very important and easily overlooked topic. All four authors are experienced RAC engineers with a wealth of hard-won experience encountering and surmounting the challenges of running a RAC environment that delivers on its promise. In Expert Oracle RAC 12c they provide you a framework in which to avoid repeating their hard-won lessons. Their goal is for you to manage your own RAC environment with ease and expertise. Provides a deep conceptual understanding of RAC Provides best practices to implement RAC properly and match application workload Enables readers to troubleshoot RAC with ease.
