

1. Record Nr.	UNINA9910254060803321
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Titolo	Pro Oracle GoldenGate for the DBA [[electronic resource] /] / by Bobby Curtis
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2016
ISBN	1-4842-1179-0
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (323 p.)
Collana	The expert's voice in Oracle
Disciplina	005.756
Soggetti	Database management Database Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contents at a Glance; Contents; About the Author; About the Technical Reviewer; Acknowledgments; Foreword; Chapter 1: Installation, Upgrade, and Removal; Selecting the Correct Version; Installing Oracle GoldenGate 12c; Creating Subdirectories; Viewing Inventory File Information; Upgrading Oracle GoldenGate; Removing Oracle GoldenGate; Oracle Universal Installer Deinstall Option; Hacking the oraInventory File; Summary; Chapter 2: Architecture; Architectures; Unidirectional Replication; Bidirectional (Active-Active) Replication; Real-Time Data Warehousing; Real-Time Data Distribution Data Distribution via MessagingUnderstanding System Change Numbers; Finding the System Change Number in Oracle; GoldenGate Processes; Manager Process; Collector Process; Capture Process; Classic Capture; Integrated Capture; Data Pump Process; Delivery Process; Classic Delivery; Coordinated Delivery; Integrated Delivery; Trail Files; Summary; Chapter 3: Basic Replication Configuration; Profiler; Run Profiler; Parameter Files; Extract Parameter File; Data Pump Parameter File; Replicat Parameter File; Manager Parameter File; Trail Files; Sizing and Retention of Trail Files; Obey Files Unidirectional ConfigurationPrerequisites; Enable Archive Log Mode; Enable Supplemental Logging; Enable Force Logging; Enable GoldenGate Parameter; Create a GoldenGate User; Granting Permissions to GoldenGate Users; Building Source GoldenGate Environment; Adding SCHEMATRANDATA or TRANDATA; SCHEMATRANDATA; TRANDATA;

Edit Parameter Files; Starting the Extract; Extract (Data Pump) Process; Adding the Extract (Data Pump) Process; Starting the Data Pump (Extract) Process; Instantiation; Apply (Replicat) Process; Adding the Apply (Replicat) Process; Starting the Apply (Replicat) Process; Summary Chapter 4: Tuning Oracle GoldenGate Different Types of Tuning; Classic Process Tuning; Tools for Tuning; GoldenGate Tools; Monitoring Latency or Lag Events; Reporting Transactional Statistics; Database Tools; Operating System Tools; Tuning the Classic Processes; Considerations When Using Multiple Process Groups; Maintaining Data Integrity; Number of Groups; Memory; Isolating Process-Intensive Tables; Using Parallel Replicat Groups on the Target System; Adding New Trails from the Extract; Source Steps; Target Steps; Network Tuning; Detecting Any Network Bottlenecks
Workaround for Bandwidth Issues Compressing Data for Bandwidth Reduction; Increasing the TCP/IP Packet Sizes; Sizing TCP/IP Buffer Size; Eliminating Disk I/O Bottlenecks; Improving I/O Performance by System Configuration; Improving I/O Performance Within Oracle GoldenGate; Managing Virtual Memory and Paging; Applying Similar SQL Statements (Using Arrays); Full Table Scan Due to Absence of Keys; Tuning Integrated Processes; Tuning Tools for Integrated Processes; Automatic Workload Repository Output; Streams Performance Advisor; Installing Streams Performance Advisor
Understanding Streams Performance Advisor Output

Sommario/riassunto

This book provides a simple approach to learning the Oracle GoldenGate product. This approach provides the in-depth perspective of GoldenGate from an implementer's viewpoint; however, also addresses why the management viewpoint is important as well. Your journey through this book includes an architecture discussion of GoldenGate and the benefits of purchasing GoldenGate from a management perspective. Then the book quickly moves into advanced implementation components associated with GoldenGate. You'll find many use-cases and instructions throughout the book to help with everything from easy to complex GoldenGate implementations. An Oracle GoldenGate implementation generally consists of a group project, involving both business and technical resources. Pro Oracle GoldenGate for the DBA provides the viewpoint from the DBA's vantage point. This approach provides the components of who, what, why, when, and how in defining the implementation and support of a GoldenGate project. The success of most technical projects require the support of multiple resource groups, and Pro Oracle GoldenGate for the DBA supplies the insight for the DBA member to understand the implementation and support process. Takes you through justification, installation, and support. Provides the DBA perspective toward a successful result. Covers from basic toward increasingly advanced implementations.
