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Nota di contenuto	Cover; Copyright; Credits; Foreword; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Getting Started; What is GoldenGate?; Oracle GoldenGate evolution; Oracle GoldenGate solutions; Oracle GoldenGate technology overview; The capture process (Extract); Trail files; Data Pump; Server Collector; The Apply process (Replicat); The Manager process; GGSCI; Process data flow; Oracle GoldenGate architecture; One-to-One; One-to-Many; Many-to-One; Cascading; Bi-directional (Active-Active); Bi-directional (Active-Passive); Supported platforms and databases Oracle Goldengate topologyProcess topology; The rules; Position; Statistics; Design considerations; Choosing a solution; Network; Database schema; What to Replicate?; Object mapping and data selection; Initial Load; CSN co-ordination; Trail file format; Summary; Chapter 2: Installing and Preparing GoldenGate; Prerequisites; Downloading the software; Software requirements; Hardware requirements; Memory; CPU; Network; Disk; Software installation; Installing GoldenGate; The subdirectories; dirchk; dirdat; dirdef; dirpcs;

dirprm; dirrpt; dirsqli; dirtmp; Preparing the environment  
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configuration; Creating the GoldenGate administrator; The Manager  
process; The Extract process; Creating and starting an Extract process;  
The Data Pump process; The Replicat process; Creating and starting a  
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Replication methods; Active-active; Active-passive; Cascading; Physical  
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Non-functional requirements (NFRs)Latency; Availability; Backup and  
recovery; Hardware considerations; Computing architectures; Grid  
computing; Single server; Clusters; Machines; The x86-64 Linux Server;  
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Point in Time Recovery (PITR); Oracle Recovery Manager (RMAN);  
Flashback; SAN Snapshot; Summary; Chapter 4: Configuring Oracle  
GoldenGate; GoldenGate parameters; Configuring the Initial Load;  
Choosing a method; File to Replicat; File to database utility; Direct  
Load; Direct Bulk Load; Performing the Initial Load  
Example architectureFile to Replicat method; Configuring Initial Data  
Capture; Configuring Initial Data Delivery; Configuring Change Data  
Capture; Configuring Change Delivery; Testing Change Data Capture  
and Delivery; Stopping GoldenGate processes; More about trail files;  
The trail; Trail file purging; Configuring the Manager process;  
Summary; Chapter 5: Configuration Options; Using BATCHSQL; SQL  
cache; Exceptions; When to use BATCHSQL; Data compression;  
Compressing the Data Stream; The COMPRESS option; Oracle table  
compression; Security features; Data encryption; Password encryption  
Default method

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## Sommario/riassunto

Design, install, and configure high-performance data replication  
solutions using Oracle GoldenGate with this book and eBook

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