

## Contents

### 1 Introduction

- Objectives 1-2
- Oracle Cloud Infrastructure GoldenGate 1-7
- OCI GoldenGate: Common Use Cases 1-9
- Use Case Example 1-10
- Components of Oracle GoldenGate 1-13
- Summary 1-15

### 2 Getting Started

- Objectives 2-2
- Implementing GoldenGate Services: Prerequisites 2-4
- Oracle Cloud Infrastructure GoldenGate Policies 2-6
- Resource Types 2-7
- Creating Policies for OCI GoldenGate 2-9
- Supported Variables 2-10
- Optional Resources 2-11
- Policies: Examples 2-12
- Summary 2-13

### 3 Deployments

- Objectives 3-2
- GoldenGate Deployments: Overview 3-3
- Network Considerations for GoldenGate Deployments 3-5
- GoldenGate Topologies 3-6
- GoldenGate Deployments: Create Deployments 3-7
- Considerations for Connection to GoldenGate Deployment Console 3-8
- Prerequisite to creating Deployment for GoldenGate managed users 3-9
- Creating a Deployment: General Information (1 of 3) 3-11
- Creating a Deployment: Credentials to Access GoldenGate 3-14
- Viewing Deployment Details 3-16
- GoldenGate Deployments: Create Backups and Clones 3-17
- Creating a Deployment Clone (1 of 2) 3-20
- Creating a Deployment Clone (2 of 2) 3-21
- GoldenGate Deployments: Starting, Stopping, and Deleting 3-22
- Starting a Deployment 3-23

Stopping a Deployment 3-24

Summary 3-26

## **4 Connections**

Objectives 4-2

GoldenGate Connections: Connection Overview 4-3

What is a connection? 4-4

GoldenGate Connections 4-5

GoldenGate Connections : Supported Connection Types 4-6

Replication from Oracle On-Premises into Autonomous Data Warehouse 4-8

Replication from Autonomous Transaction Processing into Autonomous Data Warehouse 4-9

GoldenGate Connections: Create and Assign Connection 4-11

GoldenGate Connections: Best Practices 4-18

Best Practices 4-19

Summary 4-23

## **5 Replicate Data Concepts**

Objectives 5-2

GoldenGate Process Flow 5-3

GoldenGate Processes: Extract 5-4

GoldenGate Processes: Distribution Path 5-5

Initial Load 5-6

Integrated Replicat Architecture 5-8

Integrated Replicat 5-9

Parallel Replicat (Integrated and Non-Integrated) 5-10

Parallel Replicat Architecture 5-11

Ability to Split Single Large Transactions 5-12

General Best Practices 5-13

Summary 5-14

## **6 Implement Replicate Data**

Objectives 6-2

UI Flow: OCI Console 6-4

Connecting to the GoldenGate Deployment Console 6-5

Summary 6-18

## **7 GoldenGate Management**

Objectives 7-2

Scaling a Deployment 7-3

Upgrading a Deployment 7-5

OCI GoldenGate Integration with Identity and Access Management (IAM)

Service 7-13

Automating Administrative Tasks for OCI GoldenGate 7-18

Summary 7-20

## **8 Metrics, Monitoring, and Alarms**

Objectives 8-2

Admin Client (2 of 2) 8-17

Application Performance Monitoring 8-18

Summary 8-19

## **9 Security**

Objectives 9-2

Shared Security Responsibilities for GoldenGate 9-3

Securing the Network 9-4

OCI Bastion Service 9-7

Limiting with IAM Policies 9-9

Master Encryption Keys 9-11

Summary 9-12

## **10 Troubleshooting**

Objectives 10-2

OCI GoldenGate Troubleshooting: Overview 10-3

Prerequisites 10-4

OCI and Deployment Console 10-5

Admin Client 10-6

Oracle GoldenGate Reports (1 of 2) 10-7

Oracle GoldenGate Reports (2 of 2) 10-8

Things to Look For 10-14

Summary 10-15

