

Oracle GoldenGate Training 12c

GoldenGate Introduction

Oracle GoldenGate Topologies & Use Cases

GoldenGate Architecture

- Understanding goldengate manager

- Understanding goldengate process groups

- Goldengate checkpointing

- Understanding commit sequence numbers

- Understanding classic and integrated capture

Installing GoldenGate

- System Requirements

- h/w, s/w requirements

- Installing goldengate (linux)

- Configuring environment

- GGSCI GG command interpreter

- Creating ogg working directories

- Oracle GoldenGate Files and Directories

Configuring goldengate

- Configuring GLOBALS

- Configuring Manager

- Preparing source & target DB

- manager parameter recommendations

- Globals parameter recommendations

Configuring extract process group (change capture)

- Configuration of extract process group

- Accessing logs Under file system and ASM

- Configuration of extract tasks

- Parameters for extract group

- Using archived logs for extracts

- Understanding Trails

Configuring replicat process group (change delivery)

- Configuring replicat

- Parameters and tasks

Configuring secondary extract (Datapump)

important parameters for pump process

Scenarios

- DDL Replication
- Initial Load configuration
- Change Data Capture
- Configuring data pump
- Selection and Filtering
- Extracting when redo logs are in ASM storage
- replicating data between different goldengate versions

Goldengate Security

- security using ENCKEYS file
- Securing Goldengate passwords
- Securing Goldengate trail files.
- goldengate credentialstore

Goldengate High Availability

- Goldengate requirements for RAC
- Configuring ACFS for Goldengate HA
- Configuring Goldengate HA For RAC databases

Troubleshooting

- Oracle GoldenGate error handling
- Handling Extract errors
- Handling Replicat errors
- Handling Replicat errors
- Using reporting and statistics
- Monitoring processes, lags
- Using logdump

Oracle GG instantiation methods

- Performing initial load using rman
- Performing initial load using expdp & impdp
- Performing initial load using OGG & handling collisions

- configuring Integrated capture
- Bidirectional replication