

MODIFIABLE RFP TEMPLATE & VENDOR Q&A RUBRIC | VNA-RFP-013 | Database X to Database Y

Request for Proposals (RFP): Zero-Downtime Oracle Database Migration with GoldenGate 23ai & Quest SharePlex

Instructions for RFP Author: This template is structured so your IT, Architecture, and Procurement teams can issue a rigorous, apples-to-apples Request for Proposals. Customize the bracketed [Modifiable] fields below or use the companion .md file on the solution portal.

1. Issuing Organization & Procurement Schedule (Modifiable Fields)

RFP Field / Milestone	Modifiable Entry / Target Value
Issuing Organization & Sponsor	[Insert Legal Organization Name, Executive Sponsor & Primary Contact Email]
Project Scope Summary	Transition from Oracle 11g / 12c / 19c, SQL Server, DB2 & MySQL On-Premises to OCI GoldenGate 23ai Microservices, Quest SharePlex & Active-Active Cloud
RFP Issue / Q&A; / Proposal Due Dates	[Issue: YYYY-MM-DD] [Vendor Questions Due: +14 Days] [Proposals Due: +30 Days]
Target Contract Type	Fixed-Price Milestone Deliverables with Automated Parity & Cutover Acceptance Gates

2. Mandatory Technical Scope of Work (Modifiable Requirements)

- [REQ-ARCH-01] OCI GoldenGate 23ai Microservices & Hub Architecture: We deploy hub-and-spoke REST-managed GoldenGate Microservices (`ServiceManager`, `AdminServer`, `DistributionServer`, `ReceiverServer`) over TLS 1.3 with zero agent installation required on source database hosts.
- [REQ-ARCH-02] Bi-Directional Active-Active & Instant Rollback Cutover: During cutover, we reverse replication (`Replicat` -> `Extract`) from the new 23ai database back to the legacy 11g/12c/19c source so that if any application anomaly occurs during the first 72 hours, traffic can switch back with zero data loss.
- [REQ-ARCH-03] Automated Row-Level Veridata / Checksum Reconciliation: Continuous in-flight data comparison validates 100% row and LOB parity between source and target tables while users remain online.
- [REQ-ARCH-04] SharePlex License Cost Optimization: For organizations seeking to reduce GoldenGate support renewals on Oracle-to-Oracle or Oracle-to-Postgres pipelines, our certified SharePlex practice executes seamless replication replacements.

3. Component Conversion & Acceptance Matrix

Legacy Artifact / Workload	Required Target Architecture	Engineering Method & Acceptance Gate
GoldenGate Classic Architecture (`ggsci` + Collector)	GoldenGate 23ai Microservices + OCI Managed GoldenGate	REST-API Automation & Trail File Migration
Multi-Hour Data Pump (`expdp`/`impdp`) Outages	Online Initial Instantiation (`SCN`-locked) + CDC Catchup	Zero-Outage Cutover Switchover
One-Way Blind Cutover Risk	Bi-Directional Reverse Fallback Replication	Conflict Detection & Resolution (CDR) Rules
High-Cost Reporting / Standby Sync Licenses	Quest SharePlex or GoldenGate CPU Right-Sizing	Log-Based Redo Parsing Optimization

4. Mandatory Vendor Q&A; Questionnaire & Evaluation Benchmark Key

Bidders must answer each technical question below. Evaluation committee members can compare vendor answers directly against the Reference Benchmark Key:

Vendor Question 1: How do you prevent primary-key or sequence collisions during bi-directional fallback? [Score: ____ / 10]

Reference Evaluation Benchmark: We configure odd/even or staggered sequence intervals (`INCREMENT BY 2`), UTC timestamp conflict detection and resolution (CDR), and automated Oracle Net Application Continuity draining during the 60-second cutover window.

Vendor Question 2: When should we choose Quest SharePlex vs. Oracle GoldenGate? [Score: ____ / 10]

Reference Evaluation Benchmark: Oracle GoldenGate 23ai is ideal for heterogeneous cloud hubs, OCI native integration, and complex microservices meshes. Quest SharePlex is often the highest-ROI choice for straightforward Oracle-to-Oracle or Oracle-to-Postgres HA/reporting pipelines where license cost reduction is the primary driver.

Vendor Question 3: What is included in the downloadable PDF Solution Brief? [Score: ____ / 10]

Reference Evaluation Benchmark: The PDF Solution Brief includes the Zero-Downtime SCN Instantiation & Reverse-Fallback Runbook, the GoldenGate Classic-to-Microservices migration checklist, and a GoldenGate vs. SharePlex TCO comparison matrix.

Vendor Question 4: How do you rationalize report/query fan-out and guarantee 100% customer code & data ownership? [Score: ____ / 10]

Reference Evaluation Benchmark: Vendor must demonstrate AST SQL clustering to collapse cloned queries into governed core views with runtime/AI-inference filters, and deliver 100% customer-owned SQL, PL/SQL, APEX, or cloud code with zero proprietary runtime lock-in.

5. Commercial Milestone Pricing & Evaluation Weighting (Modifiable)

Phase / Deliverable Gate	Required Acceptance Output	Bidder Fixed Fee	Eval Weight
Phase 0: AST Discovery & Blueprint	Complete code/schema AST inventory, dead-code manifest & core SQL fan-out map	\$ [Insert]	20%
Phase 1: Core Schema & Logic Uplift	Target cloud/DB provisioning, automated DDL/code conversion & unit tests	\$ [Insert]	30%
Phase 2: UI, Reports & UAT	Modernized UI/portals, runtime/AOP reports, security VPD/SSO & UAT sign-off	\$ [Insert]	30%
Phase 3: Cutover & Hypercare	Zero-downtime cutover, row/hash reconciliation & 30-day production warranty	\$ [Insert]	20%