MODIFIABLE RFP TEMPLATE & VENDOR Q&A RUBRIC | VNA-RFP-002 | Application Stack X to Application Stack Y

Request for Proposals (RFP): PowerBuilder to Google Cloud Migration (Cloud Run, React & AlloyDB)

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 PowerBuilder (.pbl, DataWindows, PowerScript) + Sybase / SQL Server / Oracle to Google Cloud Run, React/TypeScript, AlloyDB / Cloud SQL & BigQuery
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] Automated PBL Decompilation & Specification Blueprinting: Our reverse-engineering engine parses every .pbl library, producing OpenAPI 3.1 specifications, Entity-Relationship models, and human-readable business-rule specifications from legacy PowerScript.

[REQ-ARCH-02] DataWindow Buffer-to-REST/GraphQL Translation: PowerBuilder's stateful Primary!, Filter!, and Delete! DataWindow buffers are translated into stateless, optimistic-concurrency REST endpoints running on Google Cloud Run (Python FastAPI / Node / Go) backed by Cloud Tasks and Pub/Sub.

[REQ-ARCH-03] Database Modernization to AlloyDB or Oracle@Google Cloud: Underlying Sybase, SQL Server, or legacy Oracle schemas are migrated via Google Database Migration Service (DMS) or GoldenGate into AlloyDB for PostgreSQL or Oracle Database@Google Cloud.

[REQ-ARCH-04] Reporting DataWindows to BigQuery & Looker: Heavy reporting and composite DataWindows are offloaded from transactional tables into BigQuery medallion tables with scheduled queries and Looker Studio dashboards.

[REQ-ARCH-05] Query Fan-Out Rationalization & Runtime/Inference Filtering: Instead of migrating cloned reports and DataWindows 1-for-1, our AST SQL parser clusters queries by their canonical core JOIN graph, builds governed Oracle 23ai views only for those core queries, and generates dynamic WHERE clauses, faceted filters, and ad-hoc report variations at runtime and via AI inference (APEX 24.2 Smart Filters & Select AI).

3. Component Conversion & Acceptance Matrix

Legacy Artifact / Workload	Required Target Architecture	Engineering Method & Acceptance Gate
PowerBuilder DataWindow (.srd) CRUD & Buffers	React TanStack Table / AG Grid + FastAPI on Cloud Run	OpenAPI 3.1 Schema & JSON DTO Generation
PowerScript Non-Visual Objects (NVO)	Containerized Cloud Run Microservices (Python / TypeScript)	AST Business Rule Extraction + Pytest Suite
Sybase ASE / SQL Server Stored Procedures	AlloyDB for PostgreSQL PL/pgSQL or Oracle@GCP	Automated Dialect Transpilation & DMS Cutover

Composite Reporting DataWindows	BigQuery Partitioned Views + Looker / PDF Cloud Functions	SQL Pushdown & Serverless PDF Rendering
INI Files & Windows Registry Config	GCP Secret Manager + Cloud Identity / IAP SSO	Zero-Trust IAM & OAuth2 Token Wiring
Cloned Reports / Queries Differing Only by WHERE Clause or Group-By (Query Fan-Out)	Canonical Core SQL View + APEX 24.2 Runtime / AI Inference Filters	AST Join-Graph Clustering (75-90% Report Count Reduction)

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: Can we run Oracle Database natively inside Google Cloud if we want to keep our PL/SQL packages? *[Score: ___ / 10]*

Reference Evaluation Benchmark: Yes. With Oracle Database@Google Cloud (Exadata Database Service and Autonomous Database running physically inside GCP data centers), you can pair Google Cloud Run / Vertex AI directly with low-latency Oracle databases or Oracle APEX.

Vendor Question 2: How do you validate that the new Google Cloud application matches legacy PowerBuilder calculations? *[Score: ___ / 10]*

Reference Evaluation Benchmark: Our pipeline captures real transaction payloads and DataWindow result sets from the legacy app and replays them against the new Cloud Run API endpoints to prove 100% numerical parity before cutover.

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

Reference Evaluation Benchmark: The PDF Solution Brief details the 5-stage PowerBuilder-to-GCP AST extraction pipeline, the DataWindow-to-React/Cloud-Run reference architecture, and a decision matrix comparing AlloyDB vs. Oracle Database@Google Cloud.

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%