CVDex

data-architecture

Finanzas SD – Architecture, Flows & SOPs

Arquitectura, Flujos y Procedimientos

November 10, 2025

1 Data Architecture (ERD)

```
erDiagram
  PROJECTS ||--o{ PROJECT_RUBROS : contains
  PROJECTS ||--o{ ALLOCATIONS : allocates
  PROJECTS ||--o{ PAYROLL_ACTUALS : payroll
  PROJECTS ||--o{ ADJUSTMENTS : adjusts
  PROJECTS ||--o{ MOVEMENTS : movements
  PROJECTS ||--o{ ALERTS : triggers

  RUBROS ||--o{ PROJECT_RUBROS : referencedBy
  RUBROS ||--o{ ALLOCATIONS : baseFor
  RUBROS ||--o{ ADJUSTMENTS : mayImpact

  RUBROS_TAXONOMIA ||--o{ RUBROS : classifies

  PROVIDERS ||--o{ MOVEMENTS : vendorFor

  PROJECTS {
    string pk
    string sk
    string project_id
    string name
    number mod_total
  }
  RUBROS {
    string pk
    string sk
    string rubro_id
    string nombre
    string linea_codigo
  }
  RUBROS_TAXONOMIA {
    string pk
    string sk
    string linea_codigo
    string categoria_codigo
  }
  ALLOCATIONS {
    string pk
```

```
  string sk
  string project_id
  string rubro_id
  string mes
  number monto_planeado
}
PAYROLL_ACTUALS {
  string pk
  string sk
  string mes
  number nomina_total
}
ADJUSTMENTS {
  string pk
  string sk
  string tipo
  number monto
}
MOVEMENTS {
  string pk
  string sk
  string tipo
  number monto
}
ALERTS {
  string pk
  string sk
  string severity
  string type
}
PROVIDERS {
  string pk
  string sk
  string provider_id
  string nombre
}
```

Key Conventions:

- Composite primary keys: `pk` and `sk` for all tables.

- Rubros taxonomy uses pk=LINEA#{code}, sk=CATEGORIA#{category}.
- Rubros items use pk=RUBRO#{id}, sk=DEF.