CVDex

endpoint-coverage

Finanzas SD – Architecture, Flows & SOPs

Arquitectura, Flujos y Procedimientos

November 10, 2025

1 API Endpoint Coverage Table

This table verifies that all required endpoints are implemented in the OpenAPI specification with complete examples.

Category	Endpoint	Method	OpenAPI ✓	Postman ✓	Exampl
Projects	/projects	POST	✓	✓	✓
Projects	/projects	GET	✓	✓	✓
Projects	/projects/{id}/handoff	POST	✓	✓	✓
Catalog	/catalog/rubros	GET	✓	✓	✓
Catalog	/projects/{id}/rubros	POST	✓	✓	✓
Catalog	/projects/{id}/rubros	GET	✓	✓	✓
Allocations	/projects/{id}/allocations:bulk	PUT	✓	✓	✓
Allocations	/projects/{id}/plan	GET	✓	✓	✓
Payroll	/payroll/ingest	POST	✓	✓	✓
Payroll	/close-month	POST	✓	✓	✓
Payroll	/report/cobertura	GET	✓	✓	✓
Adjustments	/adjustments	POST	✓	✓	✓
Adjustments	/adjustments	GET	✓	✓	✓
Movements	/movements	POST	✓	✓	✓
Movements	/movements	GET	✓	✓	✓
Movements	/movements/{id}/approve	POST	✓	✓	✓
Movements	/movements/{id}/reject	POST	✓	✓	✓
Alerts	/alerts	GET	✓	✓	✓
Providers	/providers	POST	✓	✓	✓
Providers	/providers	GET	✓	✓	✓
Webhooks	/prefacturas/webhook	POST	✓	✓	✓

1.1 Summary

- **Total Endpoints**: 21
- **OpenAPI Coverage**: 21/21 (100%)
- **Postman Coverage**: 21/21 (100%)
- **Examples Coverage**: 21/21 (100%)
- **Validation Status**: ✓ PASS (No Spectral errors)

1.2 Key Schemas Implemented

1. ✓ **ProjectCreate** - Project creation schema with validation
2. ✓ **Project** - Complete project model with all fields

3. ✓ **ProjectList** - Paginated project list
4. ✓ **Handoff** - Project handoff with budget split (pct_ingenieros, pct_sdm)
5. ✓ **RubroCreate** - Budget rubro creation
6. ✓ **Rubro** - Complete rubro model with tipo_ejecucion enum
7. ✓ **RubroList** - Paginated rubro list
8. ✓ **AllocationBulk** - Bulk allocation updates
9. ✓ **PlanMes** - Monthly financial plan (plan_ing, plan_sdm, non_recurrentes)
10. ✓ **PayrollIngest** - Payroll data ingestion (mes, nomina_total)
11. ✓ **CierreMes** - Monthly closing report (cobertura, gap, alertas)
12. ✓ **AdjustmentCreate** - Budget adjustment with pro-rata distribution
13. ✓ **Adjustment** - Complete adjustment with distribution array
14. ✓ **AdjustmentList** - Paginated adjustments
15. ✓ **MovementCreate** - Financial movement creation
16. ✓ **Movement** - Complete movement with approval workflow
17. ✓ **MovementList** - Paginated movements
18. ✓ **Approval** - Movement approval schema
19. ✓ **Rejection** - Movement rejection schema with motivo
20. ✓ **ProviderCreate** - Provider/vendor creation
21. ✓ **Provider** - Complete provider model
22. ✓ **ProviderList** - Paginated providers
23. ✓ **PrefacturaEvent** - Webhook event for prefacturas
24. ✓ **Error** - Standardized error response

1.3 Validation Evidence

1.3.1 Spectral Lint Command

The OpenAPI specification was validated using Spectral CLI with the following command:

```
[] npx spectral lint openapi/finanzas.yaml --format stylish
```

Result: ☐ **PASS - No errors found**

```
No results with a severity of 'error' found!
```

1.3.2 Spectral Lint Results

```
✓ PASS - No errors found
✓ All endpoints have complete schemas
✓ All examples are valid against schemas
✓ All required fields are present
```

✓ Pattern validation passes

✓ Enum validation passes

1.3.3 Example Quality Checks

- ✓ All request bodies have realistic examples
- ✓ All 200/201/202 responses have complete examples
- ✓ All error responses (400/401/403/404) documented
- ✓ Examples include all required fields
- ✓ Examples follow pattern constraints
- ✓ Timestamps in ISO 8601 format
- ✓ IDs follow pattern {type}_{alphanumeric10}

1.4 Special Features Implemented

1. **Pro-rata Distribution**: Adjustments endpoint shows automatic distribution across months
2. **Coverage Calculation**: Close-month example shows cobertura formula: (ingresos/nomina) × 100
3. **Approval Workflow**: Movements have approve/reject endpoints with estado tracking
4. **Budget Split**: Handoff shows pct_ingenieros (65%) and pct_sdm (35%) allocation
5. **Execution Types**: Rubros support mensual, puntual, por_hito with programmed months
6. **Webhook Integration**: Prefactura webhook for external system integration