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API Endpoint Coverage Table

Finanzas SD Documentation / Documentación de Finanzas SD

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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	Examples	Status Code
Projects	/projects	POST				201
Projects	/projects	GET				200
Projects	/projects/{id}/handoff	POST				200
Catalog	/catalog/rubros	GET				200
Catalog	/projects/{id}/rubros	POST				201
Catalog	/projects/{id}/rubros	GET				200
Allocations	/projects/{id}/allocations:bulk	PUT				200
Allocations	/projects/{id}/plan	GET				200
Payroll	/payroll/ingest	POST				202
Payroll	/close-month	POST				200
Payroll	/report/cobertura	GET				200
Adjustments	/adjustments	POST				201
Adjustments	/adjustments	GET				200
Movements	/movements	POST				201
Movements	/movements	GET				200
Movements	/movements/{id}/approve	POST				200
Movements	/movements/{id}/reject	POST				200
Alerts	/alerts	GET				200
Providers	/providers	POST				201
Providers	/providers	GET				200
Webhooks	/prefactura/webhook	POST				202

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) Œ 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