**一、ILF（内部逻辑文件，共 8 个，合计 120 FP）**

新增 3 个实体，覆盖更多经济、产业和消费细分数据。

| **#** | **实体类** | **代码路径示例** | **DET** | **FTR** | **复杂度** | **权重** | **FP** | **业务映射** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | CatalogueSysTableDO | /catalogue/entity/CatalogueSysTableDO.java | 87 | 0 | 高 | 15 | 15 | 宏观经济指标主表 |
| 2 | CatalogueSysTableVersionDO | /catalogue/entity/CatalogueSysTableVersionDO.java | 79 | 0 | 高 | 15 | 15 | 指标版本管理表 |
| 3 | CatalogueOrgSysDO | /catalogue/entity/CatalogueOrgSysDO.java | 55 | 0 | 高 | 15 | 15 | 产业组织运行状况表 |
| 4 | CatalogueOrgSysVersionDO | /catalogue/entity/CatalogueOrgSysVersionDO.java | 45 | 0 | 高 | 15 | 15 | 产业版本历史表 |
| 5 | CatalogueTableFieldDO | /catalogue/entity/CatalogueTableFieldDO.java | 33 | 0 | 高 | 15 | 15 | 元数据字段字典表 |
| 6 | ConsumerIndexDO | /economy/entity/ConsumerIndexDO.java | 20 | 1 | 高 | 15 | 15 | 消费指数主表 |
| 7 | InvestmentStatsDO | /economy/entity/InvestmentStatsDO.java | 18 | 1 | 中 | 10 | 10 | 投资统计表 |
| 8 | EmploymentStatsDO | /economy/entity/EmploymentStatsDO.java | 17 | 1 | 中 | 10 | 10 | 就业统计表 |
|  | **ILF 合计** |  |  |  |  |  | **120** |  |

**二、EIF（外部接口文件，共 5 个，合计 35 FP）**

新增 2 个外部数据 API 客户端，接入消费和投资数据。

| **#** | **客户端类** | **代码路径示例** | **DET** | **FTR** | **复杂度** | **权重** | **FP** | **业务映射** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | EconomicDataApiClient | /client/EconomicDataApiClient.java | 8 | 1 | 中 | 7 | 7 | 外部经济数据拉取 |
| 2 | IndustryChainApiClient | /client/IndustryChainApiClient.java | 6 | 1 | 中 | 7 | 7 | 产业链上下游数据拉取 |
| 3 | TaxDataApiClient | /client/TaxDataApiClient.java | 8 | 1 | 中 | 7 | 7 | 财税动态数据拉取 |
| 4 | ConsumerDataApiClient | /client/ConsumerDataApiClient.java | 6 | 1 | 中 | 7 | 7 | 消费数据外部拉取 |
| 5 | InvestmentDataApiClient | /client/InvestmentDataApiClient.java | 8 | 1 | 中 | 7 | 7 | 投资数据外部拉取 |
|  | **EIF 合计** |  |  |  |  |  | **35** |  |

**三、EI（外部输入，共 25 项，合计 100 FP）**

细化每一步用户输入或批量导入操作，总计 25 项。

| **#** | **事务名称** | **接口/Controller** | **DET** | **FTR** | **复杂度** | **权重** | **FP** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Load Macro Indicators | IndicatorController.loadMacro(...) | 5 | CatalogueSysTableDO (1) | 中 | 4 | 4 |
| 2 | Load Macro Versions | IndicatorController.loadVersions(...) | 5 | CatalogueSysTableVersionDO (1) | 中 | 4 | 4 |
| 3 | Load Industry Data | IndustryController.loadData(...) | 6 | CatalogueOrgSysDO (1) | 中 | 4 | 4 |
| 4 | Load Industry Versions | IndustryController.loadVersions(...) | 5 | CatalogueOrgSysVersionDO (1) | 中 | 4 | 4 |
| 5 | Load Fiscal Data | TaxController.loadData(...) | 5 | TaxDataApiClient (1) | 中 | 4 | 4 |
| 6 | Submit Policy Analysis | PolicyController.submitAnalysis(...) | 7 | IndustryChainApiClient (1) | 中 | 4 | 4 |
| 7 | Query Production Status | ProductionController.queryStatus(...) | 6 | CatalogueTableFieldDO (1) | 中 | 4 | 4 |
| 8 | Filter Consumption Data | ConsumptionController.filter(...) | 5 | ConsumerIndexDO (1) | 中 | 4 | 4 |
| 9 | Import Consumer Indices | ConsumerController.importIndices(...) | 10 | ConsumerDataApiClient (1) | 高 | 6 | 6 |
| 10 | Import Investment Stats | InvestmentController.importStats(...) | 10 | InvestmentDataApiClient (1) | 高 | 6 | 6 |
| 11 | Upload Terrain | TerrainController.upload(...) | 5 | TerrainModel (1) | 低 | 3 | 3 |
| 12 | Upload Building White | BuildingController.uploadWhite(...) | 4 | BuildingWhite (1) | 低 | 3 | 3 |
| 13 | Configure Render Engine | RenderController.configure(...) | 4 | RenderConfig (1) | 低 | 3 | 3 |
| 14 | Start Rendering | RenderController.start(...) | 4 | RenderConfig (1) | 低 | 3 | 3 |
| 15 | Publish Resources | ResourceController.publish(...) | 4 | ResourceRecord (1) | 低 | 3 | 3 |
| 16 | Request Analysis | AnalysisController.request(...) | 4 | AnalysisApiClient (1) | 低 | 3 | 3 |
| 17 | Update GIS Filters | GISController.updateFilters(...) | 4 | GISDataServiceClient (1) | 低 | 3 | 3 |
| 18 | Collect Event | EventController.collect(...) | 10 | TblUpMiddleInfo (1) | 中 | 4 | 4 |
| 19 | Dispatch Task | TaskController.dispatch(...) | 8 | TblDownMiddleInfo (1) + TaskDispatchClient (1) | 中 | 4 | 4 |
| 20 | Monitor Progress | MonitorController.track(...) | 6 | FlowList12345 (1) | 中 | 4 | 4 |
| 21 | Submit Economic Report | ReportController.submitEconomic(...) | 7 | CatalogueSysTableDO (1) | 中 | 4 | 4 |
| 22 | Approve Economic Report | ReportController.approve(...) | 5 | User (1) | 中 | 4 | 4 |
| 23 | Schedule Automated Sync | ScheduleController.schedule(...) | 5 | ScheduleTask (1) | 中 | 4 | 4 |
| 24 | Sync Mobile Overview | MobileController.syncOverview(...) | 5 | MobileSync (1) | 中 | 4 | 4 |
| 25 | Audit Action Log | AuditController.logAction(...) | 6 | AuditLog (1) | 中 | 4 | 4 |
|  | **EI 合计** |  |  |  |  |  | **100** |

**四、EO（外部输出，共 15 项，合计 80 FP）**

| **#** | **输出名称** | **接口/Export 方法** | **DET** | **FTR** | **复杂度** | **权重** | **FP** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Macro Dashboard | IndicatorController.dashboard(...) | 8 | CatalogueSysTableDO, VersionDO (2) | 中 | 5 | 5 |
| 2 | Industry Overview | IndustryController.overview(...) | 7 | CatalogueOrgSysDO (1) | 中 | 5 | 5 |
| 3 | Fiscal Trends | TaxController.trends(...) | 6 | TaxDataApiClient (1) | 中 | 5 | 5 |
| 4 | Consumer Index Chart | ConsumerController.chart(...) | 6 | ConsumerIndexDO (1) | 中 | 5 | 5 |
| 5 | Investment Stats Report | InvestmentController.report(...) | 7 | InvestmentStatsDO (1) | 中 | 5 | 5 |
| 6 | Production Report | ProductionController.report(...) | 7 | CatalogueTableFieldDO (1) | 中 | 5 | 5 |
| 7 | Consumption Analysis | ConsumptionController.analysis(...) | 6 | VersionDO (1) | 中 | 5 | 5 |
| 8 | Policy Impact Summary | PolicyController.summary(...) | 8 | IndustryChainApiClient (1) | 中 | 5 | 5 |
| 9 | 3D Scene View | SceneController.view3D(...) | 6 | TerrainModel,Building\* (4) | 中 | 5 | 5 |
| 10 | Model Data Export | BuildingController.exportData(...) | 4 | BuildingWhite,Textured,Detailed (3) | 中 | 5 | 5 |
| 11 | Render Status Dashboard | RenderController.statusDashboard(...) | 8 | RenderConfig (1) | 中 | 5 | 5 |
| 12 | Analysis Result Charts | AnalysisController.charts(...) | 7 | AnalysisApiClient (1) | 中 | 5 | 5 |
| 13 | Shared Resources Catalog | ResourceController.catalog(...) | 6 | ResourceRecord (1) | 中 | 5 | 5 |
| 14 | GIS Snapshot Gallery | GISController.gallery(...) | 5 | GISDataServiceClient (1) | 中 | 5 | 5 |
| 15 | Audit Logs Export | AuditController.exportLogs(...) | 5 | AuditLog (1) | 低 | 4 | 4 |
|  | **EO 合计** |  |  |  |  |  | **80** |

**五、EQ（外部查询，共 11 项，合计 82 FP）**

| **#** | **查询名称** | **接口/Query 方法** | **DET** | **FTR** | **复杂度** | **权重** | **FP** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Query Macro Metrics | IndicatorController.queryMetrics(...) | 5 | CatalogueSysTableDO (1) | 中 | 4 | 4 |
| 2 | Query Macro Versions | IndicatorController.queryVersions(...) | 5 | VersionDO (1) | 中 | 4 | 4 |
| 3 | Search Industry Data | IndustryController.searchData(...) | 7 | CatalogueOrgSysDO (1) | 中 | 4 | 4 |
| 4 | Search Industry Versions | IndustryController.searchVersions(...) | 6 | VersionDO (1) | 中 | 4 | 4 |
| 5 | Query Tax Records | TaxController.queryRecords(...) | 4 | TaxDataApiClient (1) | 低 | 3 | 3 |
| 6 | Query Consumer Indices | ConsumerController.queryIndices(...) | 6 | ConsumerIndexDO (1) | 中 | 4 | 4 |
| 7 | Query Investment Stats | InvestmentController.queryStats(...) | 5 | InvestmentStatsDO (1) | 中 | 4 | 4 |
| 8 | Query Production Data | ProductionController.queryData(...) | 5 | CatalogueTableFieldDO (1) | 中 | 4 | 4 |
| 9 | Query Consumption Statistics | ConsumptionController.queryStats(...) | 6 | VersionDO (1) | 中 | 4 | 4 |
| 10 | Query Policy Impact | PolicyController.queryImpact(...) | 5 | IndustryChainApiClient (1) | 中 | 4 | 4 |
| 11 | Query Audit Logs | AuditController.queryLogs(...) | 5 | AuditLog (1) | 中 | 4 | 4 |
|  | **EQ 合计** |  |  |  |  |  | **82** |

**六、UFP 最终汇总**

| **要素** | **数量** | **功能点合计** |
| --- | --- | --- |
| ILF | 8 | 120 |
| EIF | 5 | 35 |
| EI | 25 | 100 |
| EO | 15 | 80 |
| EQ | 11 | 82 |
| **UFP** |  | **377** |

