**EAD 平台模型设计**

**二〇一六年三月十七日**

# 1 前言

## 1.1 Base Model

模板模型，在设计模型时若是特定功能模型，请继承相关模型。

## 1.2 EAD Core Model

EAD 平台核心配置模型，包括视图、模型、数据集、应用等模型设计；

## 1.3 Sys Model

系统管理模块相关设计，包括用户、组织机构、角色、系统动态等模型设计；

## 1.4 Workflow Model

工作流相关模型设计，包括工作流模型、工作流步骤、工作流日志，工作流实例模型设计；

# 2. 概述

数据类型映射

| **EAD 数据类型** | **类型说明** | **Mysql 数据类型** |
| --- | --- | --- |
| alpha | 字母 | varchar(512) |
| Alphanumeicunline | 字母数字下划线 | varchar(512) |
| alphanumeric | 字母数字 | varchar(512) |
| array | 数组 | text |
| bin | 二进制 | blob |
| bool | 布尔型 | tinyint(1) |
| collection | 集合 | char(48) |
| date | 日期 | bigint(20) |
| datetime | 日期 | Date |
| email | Email | varchar(512) |
| file | 文件 | varchar(512) |
| geopoint | 地理坐标 | text |
| html | HTML | text |
| id | ID | char(48) |
| image | 图片 | varchar(512) |
| integer | 整型 | bigint(20) |
| list | 列表 | text |
| model | 模型 | char(48) |
| month | 月 | bigint(20) |
| number | 数字 | float(15,2) |
| object | 对象 | text |
| password | 密码 | varchar(512) |
| string | 长字符串 | varchar(512) |
| text | 文本 | text |
| time | 时间 | bigint(20) |
| token | 令牌 | varchar(512) |
| url | URL | varchar(512) |
| uuid | UUID | char(48) |
| variable | 变量 | varchar(512) |
| week | 周 | bigint(20) |
| wordbook | 字典 | char(48) |
| year | 年 | bigint(20) |

# 3 BASE Model

模板模型，在设计模型时若是特定功能模型，请继承相关模型。

## 3.1网盘基础结构 ($box\_node)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| node\_id | 节点主键 | uuid | 是 | - | - | - | 1 |
| node\_pid | 父节点主键 | id | 否 | - | - | - | - |
| node\_name | 节点名称 | string | 是 | - | - | - | - |
| source\_name | 节点源名称 | string | 否 | - | - | - | - |
| location | 节点路径 | string | 否 | - | - | - | - |
| path\_info | 路径信息 | text | 否 | - | - | - | - |
| node\_depth | 节点深度 | string | 否 | - | - | - | - |
| child\_num | 子节点数 | string | 否 | - | - | - | - |
| category | 分类 | string | 否 | - | - | - | - |
| node\_info | 节点信息 | text | 否 | - | - | - | - |
| node\_setting | 节点设置 | text | 否 | - | - | - | - |
| file\_ext | 扩展名 | string | 否 | - | - | - | - |
| file\_size | 文件长度 | string | 否 | - | - | - | - |
| preview\_status | 预览状态 | string | 否 | - | - | - | - |
| reference\_node | 引用节点 | string | 否 | - | - | - | - |
| link\_url | 链接地址 | text | 否 | - | - | - | - |
| note | 备注 | string | 否 | - | - | - | - |
| data\_status | 数据状态 | string | 否 | - | - | normal | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建用户 | id | 否 | - | - | ${uid} | - |

## 3.2文件列表模板 ($document)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| node\_id | 主键 | uuid | 是 | - | - | - | 1 |
| node\_name | 节点名称 | string | 否 | - | - | - | - |
| parent\_id | 父节点 | id | 否 | - | - | - | - |

## 3.3文件模板 ($file\_list)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| file\_id | File ID | uuid | 是 | - | - | - | 1 |
| file\_name | File Name | string | 是 | - | - | - | - |
| file\_type | File Type | string | 否 | - | - | - | - |
| file\_ext | File Extend | string | 否 | - | - | - | - |
| file\_size | File Size | integer | 否 | - | - | - | - |
| md5\_hash | File MD5 Hash | string | 否 | - | - | - | - |
| upload\_time | Upload Time | time | 否 | - | - | - | - |
| create\_time | Create Time | time | 否 | - | - | ${time} | - |
| update\_time | Update Time | time | 否 | - | - | ${time} | - |
| file | File | id | 否 | - | - | - | - |
| object\_id | Object ID | id | 否 | - | - | - | - |

## 3.4日程模板 ($schedule)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| start\_time | 开始时间 | time | 否 | - | - | - | - |
| end\_time | 结束时间 | time | 否 | - | - | - | - |

## 3.5简单数据模板 ($simple\_data)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uuid | 主键 | uuid | 是 | - | - | - | 1 |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |

## 3.6标准数据模板 ($standard\_data)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uuid | 主键 | uuid | 是 | - | - | - | 1 |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| updator | 更新者 | id | 否 | - | - | ${uid} | - |

## 3.7工作流模板 ($workflow)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| bridge\_id | 适配器主键 | uuid | 否 | - | - | - | - |
| case\_id | 实例主键 | id | 否 | - | - | - | - |
| data\_id | 数据主键 | id | 否 | - | - | - | - |
| uid | 操作者 | id | 否 | - | - | - | - |
| flow\_object | 工作流对象 | text | 否 | - | - | - | - |
| flow\_create\_time | 流程创建时间 | time | 否 | - | - | - | - |
| flow\_update\_time | 流程更新时间 | time | 否 | - | - | - | - |
| flow\_status | 流程状态 | string | 否 | - | - | - | - |

# 4 EAD Core Model

EAD 核心配置相关模型

## 4.1应用 (ead\_app)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| app\_id | 主键 | uuid | 是 | - | - | - | 1 |
| app\_key | 应用ID | alpha | 是 | - | - | - | 1 |
| app\_name | 应用名称 | string | 是 | - | - | - | - |
| app\_type | 应用类型 | string | 否 | - | - | - | - |
| app\_desc | 应用描述 | string | 否 | - | - | - | - |
| icon | 图标 | string | 否 | - | - | - | - |
| small\_icon | 小图标 | string | 否 | - | - | - | - |
| path | 路径 | string | 否 | - | - | - | - |
| domain | 域 | string | 否 | - | - | - | - |
| params | 应用参数 | string | 否 | - | - | - | - |
| theme | 应用主题 | string | 否 | - | - | - | - |
| style | 应用样式 | string | 否 | - | - | - | - |
| logo | Logo | string | 否 | - | - | - | - |
| sort\_num | 排序 | integer | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |
| app\_res | 应用资源 | ead\_res | 否 | - | - | - | - |
| template | 应用模板 | string | 否 | - | - | - | - |
| session\_type | 会话类型 | string | 否 | - | - | - | - |
| app\_url | 应用URL | string | 否 | - | - | - | - |
| language | 语言 | string | 否 | - | - | - | - |
| app\_navigation | 导航 | bool | 否 | - | - | - | - |
| user\_profile | 用户资料 | bool | 否 | - | - | - | - |
| remind | 提醒 | string | 否 | - | - | - | - |
| app\_alias | 别名 | string | 否 | - | - | - | - |
| app\_role | 应用角色 | sys\_role | 否 | - | - | - | - |
| status | 应用状态 | string | 否 | - | - | - | - |
| background | 应用背景 | string | 否 | - | - | - | - |

## 4.2数据集 (ead\_collection)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| collection\_id | 集合主键 | uuid | 是 | - | - | - | - |
| collection\_name | 名称 | string | 是 | - | - | - | - |
| model\_id | 模型 | wordbook | 否 | - | - | - | - |
| query\_schema | 查询定义 | text | 否 | - | - | - | - |
| maximum | 最大条数 | integer | 否 | - | - | - | - |
| query\_raw | 原生查询 | text | 否 | - | - | - | - |
| attr\_map | 属性映射 | text | 否 | - | - | - | - |
| query\_type | 查询类型 | string | 是 | - | - | - | - |
| collection\_type | 集合类型 | string | 否 | - | - | - | - |
| source\_id | 数据源 | wordbook | 是 | - | - | - | - |
| collection\_desc | 集合描述 | string | 否 | - | - | - | - |
| collection\_category | 集合分类 | string | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| domain | 域 | wordbook | 否 | - | - | - | - |

## 4.3数据源 (ead\_data\_source)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| source\_id | 数据源主键 | uuid | 是 | - | - | - | - |
| source\_name | 名称 | string | 是 | - | - | - | - |
| source\_type | 类型 | string | 是 | - | - | - | - |
| source\_desc | 描述 | string | 否 | - | - | - | - |
| driver | 驱动 | string | 是 | - | - | - | - |
| ip\_address | ip | string | 是 | - | - | - | - |
| port | port | string | 是 | - | - | - | - |
| url | 链接 | string | 是 | - | - | - | - |
| user\_name | 用户名 | string | 是 | - | - | - | - |
| password | 密码 | string | 否 | - | - | - | - |
| maximum | 最大连接 | integer | 是 | - | - | - | - |
| minimum | 最小连接 | integer | 是 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| service\_name | 库名 | string | 是 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |
| status | 运行状态 | string | 否 | - | - | - | - |
| launch\_mode | 启动方式 | string | 否 | - | - | - | - |

## 4.4数据类型 (ead\_data\_type)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| type\_id | 类型主键 | uuid | 是 | - | - | - | 1 |
| type\_name | 类型名称 | string | 是 | - | - | - | - |
| type\_alias | 别名 | string | 否 | - | - | - | - |
| type\_desc | 描述 | string | 否 | - | - | - | - |
| meta\_type | 元类型 | string | 是 | - | - | - | - |
| max\_length | 最大长度 | integer | 否 | - | - | - | - |
| min\_length | 最小长度 | integer | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| verify\_rule | 校验规则 | string | 否 | - | - | - | - |
| type\_object | 类型对象 | text | 否 | - | - | - | - |
| is\_sys | 系统类型 | bool | 否 | - | - | - | - |
| type\_category | 类型分类 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |
| list | 枚举列表 | string | 否 | - | - | - | - |
| remind | 提醒 | string | 否 | - | - | - | - |

## 4.5模型域 (ead\_domain)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| domain\_id | 域主键 | uuid | 是 | - | - | - | 1 |
| domain\_name | 域名称 | string | 是 | - | - | - | 1 |
| domain\_desc | 描述 | string | 否 | - | - | - | - |
| domain\_explain | 说明 | string | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |

## 4.6驱动注册 (ead\_driver)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| driver\_id | 驱动主键 | uuid | 是 | - | - | - | - |
| driver\_name | 驱动名称 | string | 是 | - | - | - | 1 |
| driver\_type | 驱动类型 | string | 是 | - | - | - | - |
| driver\_uri | 驱动URI | string | 是 | - | - | - | - |
| params | 参数 | string | 否 | - | - | - | - |
| driver\_classify | 驱动类别 | string | 否 | - | - | - | - |
| driver\_desc | 描述 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| domain\_id | 域 | wordbook | 是 | - | - | - | - |

## 4.7模型 (ead\_model)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| model\_id | 模型主键 | uuid | 是 | - | - | - | 1 |
| model\_name | 模型名称 | string | 是 | - | - | - | 1 |
| base | 继承 | wordbook | 否 | - | - | - | - |
| model\_alias | 别名 | string | 是 | - | - | - | - |
| model\_desc | 描述 | string | 否 | - | - | - | - |
| model\_type | 类型 | string | 否 | - | - | - | - |
| sort\_num | 排序 | integer | 否 | - | - | - | - |
| model\_category | 模型分类 | string | 否 | - | - | - | - |
| domain\_id | 模型域 | wordbook | 是 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| model\_attr | 模型属性 | ead\_model\_attr | 否 | - | - | - | - |
| entity | 实体对象 | alphanumeicunline | 否 | - | - | - | - |
| data\_source | 数据源 | wordbook | 否 | - | - | - | - |
| mode | 模式 | string | 否 | - | - | - | - |

## 4.8模型属性 (ead\_model\_attr)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| model\_attr\_id | 模型属性主键 | uuid | 是 | - | - | - | - |
| model\_id | 所属模型 | wordbook | 是 | - | - | - | - |
| attr\_name | 名称 | alphanumeicunline | 是 | - | - | - | - |
| attr\_alias | 别名 | string | 是 | - | - | - | - |
| attr\_type | 类型 | string | 是 | - | - | - | - |
| attr\_desc | 描述 | string | 否 | - | - | - | - |
| type\_id | 数据类型 | wordbook | 是 | - | - | - | - |
| required | 必须 | bool | 否 | - | - | - | - |
| max\_length | 最大长度 | integer | 否 | - | - | - | - |
| min\_length | 最小长度 | integer | 否 | - | - | - | - |
| sort\_num | 排序 | integer | 否 | - | - | - | - |
| value | 默认值 | string | 否 | - | - | - | - |
| unique | 唯一 | bool | 否 | - | - | - | - |
| remind | 提醒 | string | 否 | - | - | - | - |
| system | 系统 | string | 是 | - | - | - | - |
| key\_type | 键类型 | string | 否 | - | - | - | - |
| is\_param | 是否参数 | bool | 否 | - | - | - | - |
| foreign\_id | 外键 | string | 否 | - | - | - | - |
| control | 表单 | string | 否 | - | - | - | - |
| list | 枚举列表 | text | 否 | - | - | - | - |
| min | 最小值 | number | 否 | - | - | - | - |
| max | 最大值 | number | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| data\_dict | 数据字典 | wordbook | 否 | - | - | - | - |
| virtual | 虚拟属性 | string | 否 | - | - | - | - |
| verify\_rule | 校验规则 | string | 否 | - | - | - | - |

## 4.9平台对象 (ead\_object)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| object\_id | 对象主键 | uuid | 否 | - | - | - | - |
| object\_value | 对象值 | string | 否 | - | - | - | - |
| sort\_item | 排序项 | string | 否 | - | - | - | - |

## 4.10资源 (ead\_res)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| res\_id | 资源主键 | uuid | 是 | - | - | - | 1 |
| res\_key | 资源编码 | string | 是 | - | - | - | - |
| res\_path | 资源路径 | string | 否 | - | - | - | - |
| res\_name | 资源名称 | string | 是 | - | - | - | - |
| parent\_res\_id | 父资源 | wordbook | 否 | - | - | - | - |
| res\_level | 资源级别 | integer | 否 | - | - | - | - |
| res\_type | 资源类型 | string | 是 | - | - | - | - |
| icon | 图标 | string | 否 | - | - | - | - |
| app\_id | 应用主键 | wordbook | 否 | - | - | - | - |
| object\_id | 资源对象 | wordbook | 否 | - | - | - | - |
| url | 链接 | url | 否 | - | - | - | - |
| res\_desc | 资源描述 | string | 否 | - | - | - | - |
| res\_category | 资源分类 | string | 否 | - | - | - | - |
| session\_type | 会话类型 | string | 是 | - | - | - | - |
| hide | 隐藏 | bool | 否 | - | - | - | - |
| sort\_num | 排序 | integer | 否 | - | - | - | - |
| action | 动作 | string | 否 | - | - | - | - |
| is\_remind | 提醒 | bool | 否 | - | - | - | - |
| allow\_mobile | 允许移动设备 | bool | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |

## 4.11系统变量 (ead\_variable)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| var\_id | 变量主键 | uuid | 是 | - | - | - | - |
| var\_name | 变量名称 | string | 是 | - | - | - | 1 |
| var\_classify | 变量类别 | string | 否 | - | - | - | - |
| var\_type | 变量类型 | string | 是 | - | - | - | - |
| var\_category | 变量分类 | string | 否 | - | - | - | - |
| params | 参数 | text | 否 | - | - | - | - |
| value | 值 | text | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| var\_desc | 描述 | string | 否 | - | - | - | - |
| domain\_id | 域 | wordbook | 是 | - | - | - | - |

## 4.12视图 (ead\_view)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| view\_id | 视图主键 | uuid | 是 | - | - | - | 1 |
| view\_name | 视图名称 | string | 是 | - | - | - | - |
| view\_category | 视图分类 | string | 否 | - | - | - | - |
| view\_type | 视图类型 | string | 是 | - | - | - | - |
| view\_mode | 视图模式 | string | 否 | - | - | - | - |
| model\_id | 模型主键 | wordbook | 是 | - | - | - | - |
| collection\_id | 查询主键 | wordbook | 否 | - | - | - | - |
| display\_mode | 显示模式 | string | 是 | - | - | - | - |
| view\_param | 视图参数 | object | 否 | - | - | - | - |
| collection\_param | 查询参数 | object | 否 | - | - | - | - |
| view\_desc | 视图描述 | string | 否 | - | - | - | - |
| template | 视图模板 | text | 否 | - | - | - | - |
| cache | 缓存 | text | 否 | - | - | - | - |
| driver | 驱动 | string | 否 | - | - | - | - |
| params | 前端参数 | object | 否 | - | - | - | - |
| action | 事件 | string | 否 | - | - | - | - |
| icon | 图标 | string | 否 | - | - | - | - |
| setting | 设置 | string | 否 | - | - | - | - |
| async | 异步 | bool | 否 | - | - | - | - |
| handle | 操作类型 | string | 否 | - | - | - | - |
| layout | 布局 | string | 否 | - | - | - | - |
| extend | 扩展 | string | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| view\_attr | 视图属性 | ead\_view\_attr | 否 | - | - | - | - |
| view\_action | 视图动作 | ead\_view\_action | 否 | - | - | - | - |
| view\_filter | 视图过滤器 | ead\_view\_filter | 否 | - | - | - | - |
| domain | 域 | wordbook | 否 | - | - | - | - |
| default\_competence | 默认权限 | string | 否 | - | - | - | - |
| super\_admin | 超级管理员 | string | 否 | - | - | - | - |

## 4.13视图动作 (ead\_view\_action)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| action\_id | 动作主键 | uuid | 是 | - | - | - | 1 |
| action\_name | 名称 | string | 是 | - | - | - | - |
| action\_type | 类型 | string | 否 | - | - | - | - |
| driver | 驱动 | wordbook | 否 | - | - | - | - |
| action\_param | 动作参数 | object | 否 | - | - | - | - |
| action | 前端事件 | string | 否 | - | - | - | - |
| view\_id | 所属视图 | id | 是 | - | - | - | - |
| params | 前端参数 | object | 否 | - | - | - | - |
| icon | 图标 | string | 否 | - | - | - | - |
| selected | 选择模式 | string | 否 | - | - | - | - |
| primary | 主要 | bool | 否 | - | - | - | - |
| group | 分组 | string | 否 | - | - | - | - |
| action\_desc | 描述 | string | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| view | 操作视图 | wordbook | 否 | - | - | - | - |
| flow\_model\_id | 工作流模型 | wordbook | 否 | - | - | - | - |
| method | HTTP方法 | string | 是 | - | - | - | - |
| display | 显示模式 | string | 否 | - | - | - | - |
| controls | 表单控件 | string | 否 | - | - | - | - |
| allow\_mobile | 允许手机 | bool | 否 | - | - | - | - |
| rule | 规则 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| action\_key | 动作编码 | string | 否 | - | - | - | - |
| list | 属性列表 | string | 否 | - | - | - | - |
| record\_activity | 记录动态 | string | 否 | - | - | - | - |

## 4.14视图属性 (ead\_view\_attr)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| view\_attr\_id | 视图属性主键 | uuid | 是 | - | - | - | 1 |
| view\_attr\_name | 名称 | string | 是 | - | - | - | - |
| view\_attr\_alias | 别名 | string | 否 | - | - | - | - |
| view\_id | 所属视图 | id | 是 | - | - | - | - |
| view\_attr\_desc | 描述 | string | 否 | - | - | - | - |
| hidden\_type | 隐藏 | string | 否 | - | - | - | - |
| template | 模板 | text | 否 | - | - | - | - |
| control | 表单 | string | 否 | - | - | - | - |
| params | 参数 | object | 否 | - | - | - | - |
| value | 默认值 | string | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| model\_attr\_id | 模型属性 | wordbook | 是 | - | - | - | - |
| is\_sort | 是否排序 | bool | 否 | - | - | - | - |
| group | 分组 | string | 否 | - | - | - | - |
| display\_mode | 显示模式 | string | 否 | - | - | - | - |
| ignore | 编辑忽略 | bool | 否 | - | - | - | - |
| events | 事件列表 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |
| sub\_view\_id | 子视图 | wordbook | 否 | - | - | - | - |
| access | 权限 | string | 是 | - | - | - | - |
| system | 系统 | string | 否 | - | - | - | - |
| format | Format | text | 否 | - | - | - | - |
| display | Display | text | 否 | - | - | - | - |
| column | Column | integer | 否 | - | - | - | - |
| dict\_mode | 字典模式 | string | 否 | - | - | - | - |
| list | 枚举列表 | string | 否 | - | - | - | - |
| data\_dict | 数据字典 | wordbook | 否 | - | - | - | - |

## 4.15视图过滤器 (ead\_view\_filter)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| filter\_id | 过滤器主键 | uuid | 是 | - | - | - | 1 |
| filter\_type | 类型 | string | 是 | - | - | - | - |
| filter\_criteria | 条件 | string | 是 | - | - | - | - |
| params | 参数 | object | 否 | - | - | - | - |
| value | 默认值 | string | 否 | - | - | - | - |
| view\_attr\_id | 视图属性 | wordbook | 是 | - | - | - | - |
| required | 必须 | bool | 否 | - | - | - | - |
| is\_aid | 辅助 | bool | 否 | - | - | - | - |
| control | 表单控件 | string | 否 | - | - | - | - |
| is\_range | 是否区间 | bool | 否 | - | - | - | - |
| sort\_num | 排序 | integer | 否 | - | - | - | - |
| filter\_name | 名称 | string | 否 | - | - | - | - |
| is\_hidden | 隐藏 | bool | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| view\_id | 所属视图 | wordbook | 否 | - | - | - | - |
| control\_params | 表单参数 | text | 否 | - | - | - | - |

# 5 SYS

系统模型

## 5.1账户 (sys\_account)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uid | 用户主键 | uuid | 否 | - | - | - | - |
| account | 账号 | alphanumeric | 是 | - | - | - | 1 |
| account\_code | 编号 | alphanumeric | 否 | - | - | - | - |
| password | 密码 | password | 否 | - | - | - | - |
| email | 邮箱 | email | 否 | - | - | - | - |
| phone | 手机 | string | 否 | - | - | - | - |
| salt | 安全加盐 | token | 否 | - | - | - | - |
| user\_type | 用户类型 | string | 否 | - | - | - | - |
| register\_time | 注册时间 | time | 否 | - | - | - | - |
| last\_active\_time | 最后活动时间 | time | 否 | - | - | - | - |
| last\_login\_time | 最后登录时间 | time | 否 | - | - | - | - |
| account\_status | 账户状态 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| role | 角色 | sys\_role | 否 | - | - | - | - |
| user\_name | 用户名称 | string | 否 | - | - | - | - |
| contacts\_title | 用户头衔 | string | 否 | - | - | - | - |
| abbreviation | 简称 | string | 否 | - | - | - | - |
| contacts\_alias | 别名 | string | 否 | - | - | - | - |
| org\_id | 组织 | wordbook | 否 | - | - | - | - |
| address | 地址 | string | 否 | - | - | - | - |

## 5.2联系人账户 (sys\_account\_contacts)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uid | 用户主键 | uuid | 否 | - | - | - | - |
| account | 账户 | string | 否 | - | - | - | - |
| user\_name | 用户名 | string | 否 | - | - | - | - |
| role\_id | Role | id | 否 | - | - | - | - |
| role\_name | Role Name | string | 否 | - | - | - | - |
| role\_code | Role Code | string | 否 | - | - | - | - |

## 5.3用户角色 (sys\_account\_role)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| relation\_id | 关系主键 | uuid | 是 | - | - | - | 1 |
| uid | 用户主键 | wordbook | 是 | - | - | - | - |
| role\_id | 角色主键 | wordbook | 是 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| is\_default | 是否默认 | bool | 否 | - | - | - | - |
| account | 账号 | string | 否 | - | - | - | - |

## 5.4系统动态 (sys\_activity)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| activity\_id | 主键 | uuid | 否 | - | - | - | - |
| activity\_actor | 操作者 | wordbook | 否 | - | - | - | - |
| role\_id | 角色 | wordbook | 否 | - | - | - | - |
| app\_id | 应用 | wordbook | 否 | - | - | - | - |
| res\_id | 资源 | wordbook | 否 | - | - | - | - |
| action\_id | 操作 | wordbook | 否 | - | - | - | - |
| view\_id | 视图 | wordbook | 否 | - | - | - | - |
| data\_id | 数据 | id | 否 | - | - | - | - |
| action\_type | 动作类型 | string | 否 | - | - | - | - |
| activity\_content | 动态内容 | string | 否 | - | - | - | - |
| before\_data | 操作前数据 | text | 否 | - | - | - | - |
| after\_data | 操作后数据 | text | 否 | - | - | - | - |
| activity\_path | 路径 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| activity\_actor\_account | 操作账户 | string | 否 | - | - | - | - |
| activity\_actor\_name | 操作者名称 | string | 否 | - | - | - | - |
| role\_name | 角色 | string | 否 | - | - | - | - |
| app\_name | 应用 | string | 否 | - | - | - | - |
| res\_name | 资源 | string | 否 | - | - | - | - |
| action\_name | 操作 | string | 否 | - | - | - | - |
| view\_name | 视图 | string | 否 | - | - | - | - |
| node\_id | 节点 | id | 否 | - | - | - | - |

## 5.5网盘权限 (sys\_box\_competence)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| competence\_id | 权限主键 | uuid | 是 | - | - | - | 1 |
| node\_id | 节点主键 | id | 是 | - | - | - | - |
| uid | 用户主键 | id | 是 | - | - | - | - |
| competence\_type | 权限类型 | string | 否 | - | - | - | - |
| is\_inherit | 是否继承 | bool | 否 | - | - | - | - |

## 5.6网盘自定义视图 (sys\_box\_custom\_view)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| view\_id | 视图主键 | uuid | 是 | - | - | - | 1 |
| view\_name | 视图名称 | string | 否 | - | - | - | - |
| view\_type | 视图类型 | string | 否 | - | - | - | - |
| view\_title | 视图标题 | string | 否 | - | - | - | - |
| view\_structure | 视图结构 | string | 否 | - | - | - | - |
| html\_fragment | HTML片段 | string | 否 | - | - | - | - |
| data\_status | 数据状态 | string | 否 | - | - | normal | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| invalid\_time | 失效时间 | time | 否 | - | - | - | - |
| create\_user | 创建用户 | string | 否 | - | - | ${uid} | - |

## 5.7网盘分享 (sys\_box\_share)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| share\_id | 主键 | uuid | 是 | - | - | - | 1 |
| view\_id | 视图id | id | 否 | - | - | ${appKey} | - |
| users | 分享对象 | string | 否 | - | - | - | - |
| node\_id | 节点主键 | id | 否 | - | - | - | - |
| share\_token | 分享令牌 | string | 否 | - | - | - | - |
| password | 分享密码 | password | 否 | - | - | - | - |
| is\_inherit | 是否继承 | bool | 否 | - | - | - | - |
| note | 备注 | string | 否 | - | - | - | - |
| data\_status | 数据状态 | string | 否 | - | - | normal | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| expire\_time | 过期时间 | time | 否 | - | - | - | - |
| creator | 创建用户 | id | 否 | - | - | ${uid} | - |
| node\_name | 资源名称 | string | 否 | - | - | - | - |

## 5.8联系人 (sys\_contacts)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| contacts\_id | 联系人主键 | uuid | 否 | - | - | - | - |
| contacts\_name | 联系人名称 | string | 是 | - | - | - | - |
| contacts\_title | 头衔 | string | 否 | - | - | - | - |
| contacts\_alias | 别名 | string | 否 | - | - | - | - |
| abbreviation | 缩写 | string | 否 | - | - | - | - |
| phone | 电话组 | string | 否 | - | - | - | - |
| email | 邮件组 | email | 否 | - | - | - | - |
| address | 地址组 | string | 否 | - | - | - | - |
| uid | UID | wordbook | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| org\_id | 组织 | wordbook | 否 | - | - | - | - |

## 5.9联系人角色 (sys\_contacts\_role)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| contacts\_role\_id | Contacts Role ID | uuid | 是 | - | - | - | - |
| role\_code | Role Code | string | 是 | - | - | - | - |
| role\_name | Role Name | string | 是 | - | - | - | - |
| note | Note | text | 否 | - | - | - | - |
| sort\_num | Sort | integer | 否 | - | - | - | - |
| status | Status | string | 否 | - | - | - | - |
| create\_time | Create Time | time | 否 | - | - | ${time} | - |
| update\_time | Update Time | time | 否 | - | - | ${time} | - |
| creator | Creator | id | 否 | - | - | ${uid} | - |
| role\_type | Role Type | string | 是 | - | - | - | - |

## 5.10区域 (sys\_district)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| district\_id | 主键 | uuid | 是 | - | - | - | - |
| district\_code | 编码 | string | 否 | - | - | - | - |
| district\_cn\_name | 行政区名称 | string | 是 | - | - | - | - |
| district\_alias | 别名 | string | 否 | - | - | - | - |
| parent\_district\_id | 父级区域 | wordbook | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| status | 状态 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |

## 5.11文档 (sys\_document)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| doc\_id | 视图主键 | uuid | 是 | - | - | - | 1 |
| doc\_name | 视图名称 | string | 是 | - | - | - | - |
| doc\_type | 视图类型 | string | 否 | - | - | - | - |
| doc\_title | 视图标题 | string | 否 | - | - | - | - |
| keyword | 关键字 | string | 否 | - | - | - | - |
| doc\_status | 文档状态 | string | 否 | - | - | - | - |
| data\_status | 数据状态 | string | 否 | - | - | normal | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建用户 | id | 否 | - | - | ${uid} | - |
| summary | 摘要 | string | 否 | - | - | - | - |
| thumbnail | 缩略图 | string | 否 | - | - | - | - |
| data\_type | 数据类型 | string | 否 | - | - | - | - |
| meta\_data | 元数据 | text | 否 | - | - | - | - |
| raw\_data | 原生数据 | text | 否 | - | - | - | - |
| web\_view | Web 视图 | text | 否 | - | - | - | - |
| updator | 更新者 | string | 否 | - | - | - | - |

## 5.12收藏 (sys\_favorite)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| favorite\_id | 主键 | uuid | 是 | - | - | - | 1 |
| view\_id | 视图id | id | 否 | - | - | ${appKey} | - |
| node\_id | 节点主键 | id | 否 | - | - | - | - |
| res\_id | 资源主键 | id | 否 | - | - | - | - |
| favorite\_name | 收藏名称 | string | 是 | - | - | - | - |
| click\_num | 点击数量 | integer | 否 | - | - | - | - |
| favorite\_type | 收藏类型 | string | 否 | - | - | - | - |
| note | 备注 | string | 否 | - | - | - | - |
| data\_status | 数据状态 | string | 否 | - | - | normal | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| invalid\_time | 失效时间 | time | 否 | - | - | - | - |
| creator | 创建用户 | id | 否 | - | - | ${uid} | - |

## 5.13文件记录 (sys\_file)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| file\_id | 文件主键 | uuid | 是 | - | - | - | 1 |
| origin\_id | 元主键 | string | 否 | - | - | - | - |
| file\_name | 文件名称 | string | 是 | - | - | - | - |
| file\_type | 文件类型 | string | 否 | - | - | - | - |
| file\_format | 文件规格 | string | 否 | - | - | - | - |
| file\_size | 文件长度 | string | 否 | - | - | - | - |
| file\_ext | 扩展名 | string | 否 | - | - | - | - |
| mime\_type | MIME类型 | string | 否 | - | - | - | - |
| file\_info | 文件信息 | text | 否 | - | - | - | - |
| storage\_engine | 存储引擎 | string | 否 | - | - | - | - |
| file\_key | 文件 | string | 否 | - | - | - | - |
| file\_source | 文件地址 | string | 否 | - | - | - | - |
| storage\_info | 存储信息 | text | 否 | - | - | - | - |
| storage\_type | 存储类型 | string | 否 | - | - | - | - |
| md5\_hash | MD5散列 | string | 否 | - | - | - | - |
| document\_id | 文档主键 | string | 否 | - | - | - | - |
| action\_id | 视图动作 | string | 否 | - | - | - | - |
| file\_status | 文件状态 | string | 否 | - | - | normal | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| invalid\_time | 失效时间 | time | 否 | - | - | - | - |
| creator | 创建用户 | id | 否 | - | - | ${uid} | - |

## 5.14工作流数据关系 (sys\_flow\_bridge)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| bridge\_id | 主键 | uuid | 是 | - | - | - | 1 |
| case\_id | 实例 | wordbook | 是 | - | - | - | - |
| data\_id | 数据主键 | wordbook | 是 | - | - | - | - |
| flow\_object | 工作流对象 | text | 是 | - | - | - | - |
| uid | 操作者 | id | 是 | - | - | - | - |
| flow\_create\_time | 创建时间 | time | 是 | - | - | - | - |
| flow\_update\_time | 修改时间 | time | 是 | - | - | - | - |
| flow\_status | 工作流状态 | string | 是 | - | - | - | - |

## 5.15系统日志 (sys\_log)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| log\_id | 日志主键 | uuid | 是 | - | - | - | - |
| url | 请求URL | string | 是 | - | - | - | - |
| session\_id | 会话ID | string | 否 | - | - | - | - |
| user\_id | 当前用户 | wordbook | 否 | - | - | - | - |
| brower | 浏览器 | string | 否 | - | - | - | - |
| brower\_version | 版本 | string | 否 | - | - | - | - |
| user\_agent | 客户端代理 | text | 否 | - | - | - | - |
| ip | IP地址 | string | 否 | - | - | - | - |
| os | 操作系统 | string | 否 | - | - | - | - |
| screen\_size | 屏幕分辨率 | string | 否 | - | - | - | - |
| http\_method | 请求方法 | string | 否 | - | - | - | - |
| content\_type | 内容类型 | string | 否 | - | - | - | - |
| is\_ajax | 是否AJAX请求 | bool | 否 | - | - | - | - |
| request\_time | 请求时间 | time | 否 | - | - | - | - |
| response\_time | 响应时间 | time | 否 | - | - | - | - |
| device\_type | 设备类型 | string | 否 | - | - | - | - |
| header | HTTP头 | text | 否 | - | - | - | - |
| cookie | Cookie | text | 否 | - | - | - | - |
| operation\_type | 操作类型 | string | 否 | - | - | - | - |
| res\_id | 资源 | id | 否 | - | - | - | - |
| view\_id | 视图 | wordbook | 否 | - | - | - | - |
| action\_id | 动作 | wordbook | 否 | - | - | - | - |
| request\_body | 请求内容 | text | 否 | - | - | - | - |
| response\_body | 响应内容 | text | 否 | - | - | - | - |
| status\_code | 状态编码 | string | 否 | - | - | - | - |
| log\_desc | 描述 | text | 否 | - | - | - | - |
| app\_id | App | wordbook | 否 | - | - | - | - |

## 5.16登录日志 (sys\_login\_log)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| log\_id | 主键 | uuid | 是 | - | - | - | 1 |
| uid | 用户主键 | id | 否 | - | - | - | - |
| account | 登录账户 | string | 否 | - | - | - | - |
| user\_name | 名称 | string | 否 | - | - | - | - |
| org\_id | 组织 | id | 否 | - | - | - | - |
| org\_name | 组织名称 | string | 否 | - | - | - | - |
| role\_id | 角色ID | id | 否 | - | - | - | - |
| role\_name | 角色 | string | 否 | - | - | - | - |
| app\_id | 应用ID | id | 否 | - | - | - | - |
| app\_key | 应用标识 | string | 否 | - | - | - | - |
| app\_name | 应用名称 | string | 否 | - | - | - | - |
| login\_time | 登录时间 | time | 否 | - | - | ${time} | - |
| status | 状态 | string | 否 | - | - | - | - |
| status\_desc | 状态描述 | string | 否 | - | - | - | - |
| ip | IP地址 | string | 否 | - | - | - | - |

## 5.17系统通知 (sys\_notice\_log)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| log\_id | 日志主键 | uuid | 否 | - | - | - | - |
| message\_title | 标题 | string | 否 | - | - | - | - |
| message\_type | 类型 | string | 否 | - | - | - | - |
| sender | 发送者 | string | 否 | - | - | - | - |
| send\_time | 发送时间 | time | 否 | - | - | - | - |
| message\_body | 消息内容 | text | 否 | - | - | - | - |
| remind\_content | 提醒内容 | text | 否 | - | - | - | - |
| attachments | 附件 | string | 否 | - | - | - | - |
| action\_id | 视图动作 | id | 否 | - | - | - | - |
| data\_id | 数据ID | id | 否 | - | - | - | - |
| template\_id | 模板 | id | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| receiver | 接收者 | sys\_notice\_receiver | 否 | - | - | - | - |

## 5.18通知接收者 (sys\_notice\_receiver)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| receiver\_id | 接收者ID | uuid | 否 | - | - | - | - |
| log\_id | 日志ID | id | 否 | - | - | - | - |
| receiver | 接收者 | id | 否 | - | - | - | - |
| receive\_type | 接受者类型 | string | 否 | - | - | - | - |
| email | Email | email | 否 | - | - | - | - |
| send\_status | 邮件状态 | string | 否 | - | - | - | - |
| mobile | 手机 | string | 否 | - | - | - | - |
| remind\_status | 手机状态 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |

## 5.19通知规则 (sys\_notice\_rule)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| rule\_id | 规则ID | uuid | 否 | - | - | - | - |
| template\_id | 发送模板 | id | 否 | - | - | - | - |
| org\_id | 组织 | wordbook | 否 | - | - | - | - |
| role\_id | 角色 | wordbook | 否 | - | - | - | - |
| contacts\_role\_id | 联系人角色 | wordbook | 否 | - | - | - | - |
| contacts\_id | 联系人 | wordbook | 否 | - | - | - | - |
| receiver\_condition | 接收者规则 | text | 否 | - | - | - | - |
| data\_condition | 数据规则 | text | 否 | - | - | - | - |
| type | 类型 | string | 否 | - | - | - | - |
| remind\_type | 提醒类型 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |

## 5.20通知模板 (sys\_notice\_template)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| template\_id | 模板ID | uuid | 否 | - | - | - | - |
| template\_name | 模板名称 | string | 是 | - | - | - | - |
| template\_desc | 模板描述 | string | 否 | - | - | - | - |
| template\_type | 模板类型 | string | 否 | - | - | - | - |
| template\_title | 模板标题 | string | 否 | - | - | - | - |
| template\_content | 模板内容 | text | 否 | - | - | - | - |
| remind\_type | 提醒类型 | string | 否 | - | - | - | - |
| remind\_template\_name | 提醒模板名称 | string | 否 | - | - | - | - |
| remind\_template | 提醒模板内容 | text | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |
| rule | 规则 | sys\_notice\_rule | 否 | - | - | - | - |
| log | 日志 | sys\_notice\_log | 否 | - | - | - | - |

## 5.21开放账户 (sys\_openid)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uid | UID | uuid | 否 | - | - | - | - |
| openid | OpenID | string | 否 | - | - | - | - |
| openid\_account | 开放账户 | string | 否 | - | - | - | - |
| openid\_type | 开放账户类型 | string | 否 | - | - | - | - |
| secret | 安全码 | string | 否 | - | - | - | - |
| validity | 有效期 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |

## 5.22组织机构 (sys\_org)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| org\_id | 组织主键 | uuid | 是 | - | - | - | - |
| org\_name | 组织名称 | string | 是 | - | - | - | - |
| org\_code | 组织编码 | alphanumeric | 否 | - | - | - | - |
| org\_alias | 组织别名 | string | 否 | - | - | - | - |
| org\_stitle | 组织简称 | string | 否 | - | - | - | - |
| parent\_org\_id | 父组织 | wordbook | 否 | - | - | - | - |
| org\_level | 组织级别 | string | 否 | - | - | - | - |
| org\_desc | 组织描述 | string | 否 | - | - | - | - |
| sort\_num | 组织排序 | integer | 否 | - | - | - | - |
| status | 数据状态 | string | 否 | - | - | - | - |
| is\_parent\_default | 上级默认 | bool | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |

## 5.23系统角色 (sys\_role)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| role\_id | 角色主键 | uuid | 否 | - | - | - | - |
| role\_name | 角色名称 | string | 是 | - | - | - | - |
| role\_code | 角色编码 | string | 是 | - | - | - | 1 |
| app\_id | 应用主键 | id | 是 | - | - | - | - |
| role\_desc | 角色描述 | string | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| role\_res | 角色资源 | collection | 否 | - | - | - | - |
| account | 角色用户 | sys\_account | 否 | - | - | - | - |

## 5.24角色资源 (sys\_role\_res)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| relation\_id | 关系主键 | uuid | 是 | - | - | - | - |
| role\_id | 角色 | wordbook | 是 | - | - | - | - |
| res\_id | 资源 | wordbook | 是 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| parent\_res\_id | 父资源 | id | 否 | - | - | - | - |

## 5.25视图设置 (sys\_view\_setting)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| setting\_id | 主键 | uuid | 是 | - | - | - | 1 |
| view\_id | 视图id | id | 否 | - | - | ${appKey} | - |
| setting\_info | 设置信息 | text | 否 | - | - | - | - |
| data\_status | 数据状态 | string | 否 | - | - | normal | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建用户 | id | 否 | - | - | ${uid} | - |

# 6 WORKFLOW

工作流模型设计

## 6.1工作流实例 (sys\_flow\_case)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| case\_id | 实例主键 | uuid | 是 | - | - | - | 1 |
| last\_step\_id | 最近步骤 | wordbook | 是 | - | - | - | - |
| source\_uid | 实例发起者 | wordbook | 否 | - | - | - | - |
| to\_do\_users | 用户列表 | text | 否 | - | - | - | - |
| org\_id | 组织 | wordbook | 否 | - | - | - | - |
| model\_id | 工作流模型 | wordbook | 否 | - | - | - | - |
| case\_status | 实例状态 | string | 否 | - | - | - | - |
| case\_status\_desc | 状态描述 | string | 否 | - | - | - | - |
| is\_over | 是否结束 | string | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| log | 日志 | sys\_flow\_log | 否 | - | - | - | - |

## 6.2工作流日志 (sys\_flow\_log)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| case\_log\_id | 实例记录主键 | uuid | 是 | - | - | - | 1 |
| case\_id | 实例 | wordbook | 是 | - | - | - | 1 |
| current\_user\_id | 当前用户 | wordbook | 否 | - | - | - | - |
| step\_id | 步骤 | wordbook | 否 | - | - | - | - |
| deal\_type | 处理标识 | string | 否 | - | - | - | - |
| deal\_desc | 处理说明 | string | 否 | - | - | - | - |
| deal\_time | 处理时间 | time | 否 | - | - | - | - |
| is\_handled\_form | 是否操作过表单 | string | 否 | - | - | - | - |
| deal\_note | 处理备注 | text | 否 | - | - | - | - |
| deal\_status | 处理状态 | string | 否 | - | - | - | - |

## 6.3工作流模型 (sys\_flow\_model)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| model\_id | 模型主键 | uuid | 是 | - | - | - | 1 |
| model\_name | 模型名称 | string | 是 | - | - | - | - |
| model\_alias | 模型别名 | string | 否 | - | - | - | - |
| flow\_chart | 模型流程图 | text | 否 | - | - | - | - |
| model\_desc | 说明 | text | 否 | - | - | - | - |
| sort\_num | 序号 | integer | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | ${time} | - |
| update\_time | 更新时间 | time | 否 | - | - | ${time} | - |
| creator | 创建者 | id | 否 | - | - | ${uid} | - |
| step | 步骤 | sys\_flow\_step | 否 | - | - | - | - |
| case | 实例 | sys\_flow\_case | 否 | - | - | - | - |

## 6.4工作流步骤 (sys\_flow\_step)

| **字段名称** | **语义名称** | **数据类型** | **必须** | **最大长度** | **最小长度** | **默认值** | **唯一** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| step\_id | 步骤主键 | uuid | 是 | - | - | - | 1 |
| step\_name | 步骤名称 | string | 是 | - | - | - | - |
| model\_id | 工作流模型 | wordbook | 是 | - | - | - | - |
| step\_code | 步骤编码 | string | 是 | - | - | - | - |
| step\_type | 步骤类型 | string | 是 | - | - | - | - |
| before\_step\_id | 前置步骤 | wordbook | 否 | - | - | - | - |
| after\_step\_id | 后置步骤 | wordbook | 否 | - | - | - | - |
| act\_user | 参与用户 | wordbook | 否 | - | - | - | - |
| act\_role | 参与角色 | wordbook | 否 | - | - | - | - |
| act\_org | 参与组织 | wordbook | 否 | - | - | - | - |
| over\_time | 超时时间 | time | 否 | - | - | - | - |
| over\_time\_event | 超时事件 | text | 否 | - | - | - | - |
| status\_desc | 状态说明 | text | 否 | - | - | - | - |
| data\_condition | 数据条件 | text | 否 | - | - | - | - |
| msg\_template | 消息模板 | text | 否 | - | - | - | - |
| back\_step | 回退步骤 | wordbook | 否 | - | - | - | - |
| event\_notice | 事件通知 | string | 否 | - | - | - | - |
| form\_param | 表单参数 | text | 否 | - | - | - | - |
| actor\_condition | 操作者条件 | text | 否 | - | - | - | - |
| allow\_skip | 允许跳过 | string | 否 | - | - | - | - |
| allow\_over | 是否完成 | string | 否 | - | - | - | - |
| allow\_back\_origin | 是否允许退回起点 | string | 否 | - | - | - | - |
| is\_back\_origin | 是否退回起点 | string | 否 | - | - | - | - |
| sort\_num | 步骤序号 | integer | 否 | - | - | - | - |
| callback\_driver | 回调驱动 | text | 否 | - | - | - | - |
| create\_time | 创建时间 | time | 否 | - | - | - | - |
| update\_time | 更新时间 | time | 否 | - | - | - | - |
| creator | 创建者 | id | 否 | - | - | - | - |