商品标签数据库设计

# 商品标签

## Product\_label\_head

商品标签主表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Col.seq** | **Column** | **Null** | **Type** | **Desc** |
| **1** | **P\_Label\_id** | **Not null** | **NUMBER(5)** | **标签ID,自增长** |
| **2** | **P\_Label\_name** | **Not null** | **VARCHAR2(50)** | **标签名称** |
| **3** | **P\_Label\_desc** | **Not null** | **VARCHAR2(200)** | **标签说明** |
| **4** | **P\_Label\_type** | **Not null** | **VARCHAR2(20)** | **标签类型（类目标签、个性标签、功能标签）** |
| **5** | **P\_label\_father\_id** |  | **NUMBER(5)** | **上级标签ID** |
| **6** | **Is\_leaf\_node** | **Not null** | **NUMBER(1)** | **是否叶节点（1：是，0：否）** |
| **7** | **Create\_date** | **Not null** | **DATE** | **创建日期** |
| **8** | **Create\_user\_id** | **Not null** | **VARCHAR2(50)** | **创建人员ID** |
| **9** | **Last\_update\_date** | **Not null** | **DATE** | **最后修改日期** |
| **10** | **Last\_update\_user\_id** | **Not null** | **VARCHAR2(50)** | **最后修改人员ID** |

**Primary\_key**

|  |  |
| --- | --- |
| **name** | **column** |
| **PK\_PRODUCT\_LABEL\_HEAD** | **P\_LABEL\_ID** |

## Product\_label\_type

商品标签类型定义表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Col.seq** | **Column** | **Null** | **Type** | **Desc** |
| 1 | **P\_**Label\_type\_id | **Not null** | **NUMBER(5)** | 标签类型ID**,自增长** |
| 2 | **P\_**Label\_type\_name | **Not null** | **VARCHAR2(50)** | 标签类型名称 |
| 3 | **P\_**Label\_type\_desc | **Not null** | **VARCHAR2(200)** | 标签类型说明 |
| 4 | **Create\_date** | **Not null** | **DATE** | **创建日期** |
| 5 | **Create\_user\_id** | **Not null** | **VARCHAR2(50)** | **创建人员ID** |
| 6 | **Last\_update\_date** | **Not null** | **DATE** | **最后修改日期** |
| 7 | **Last\_update\_user\_id** | **Not null** | **VARCHAR2(50)** | **最后修改人员ID** |

**Primary\_key**

|  |  |
| --- | --- |
| **name** | **column** |
| **PK\_PRODUCT\_LABEL\_TYPE** | **P\_LABEL\_TYPE\_ID** |

## product\_label\_link

商品标签—商品关联表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Col.seq** | **Column** | **Null** | **Type** | **Desc** |
| 1 | Goods\_common\_key | Not null | **NUMBER(20)** | Spu |
| 2 | P\_Label\_id | **Not null** | **NUMBER(5)** | **商品标签ID** |
| 3 | **P\_Label\_type** | **Not null** | **VARCHAR2(20)** | **标签类型（类目标签、个性标签、功能标签），可考虑此字段分区** |
| 4 | Current\_flg | Not null | VARCHAR2(10) | 当前标志（Y:有效、N:无效） |
| 5 | **Create\_date** | **Not null** | **DATE** | **创建日期** |
| 6 | **Create\_user\_id** | **Not null** | **VARCHAR2(50)** | **创建人员ID** |
| 7 | **Last\_update\_date** | **Not null** | **DATE** | **最后修改日期** |
| 8 | **Last\_update\_user\_id** | **Not null** | **VARCHAR2(50)** | **最后修改人员ID** |

**Primary\_key**

|  |  |
| --- | --- |
| **name** | **column** |
| **PK\_PRODUCT\_LABEL\_LINK** | **GOODS\_COMMON\_KEY,P\_LABEL\_ID** |

# 会员标签数据库设计

## Member\_label\_head

会员标签主表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Col.seq** | **Column** | **Null** | **Type** | **Desc** |
| **1** | **M\_Label\_id** | **Not null** | **NUMBER(8)** | **标签ID,自增长** |
| **2** | **M\_Label\_name** | **Not null** | **VARCHAR2(50)** | **标签名称** |
| **3** | **M\_Label\_desc** | **Not null** | **VARCHAR2(200)** | **标签说明** |
| **4** | **M\_Label\_type** | **Not null** | **VARCHAR2(20)** | **标签类型（类目标签、个性标签、功能标签）** |
| **5** | **M\_label\_father\_id** |  | **NUMBER(5)** | **上级标签ID** |
| **6** | **Is\_leaf\_node** | **Not null** | **NUMBER(1)** | **是否叶节点（1：是，0：否）** |
| **7** | **Create\_date** | **Not null** | **DATE** | **创建日期** |
| **8** | **Create\_user\_id** | **Not null** | **VARCHAR2(50)** | **创建人员ID** |
| **9** | **Last\_update\_date** | **Not null** | **DATE** | **最后修改日期** |
| **10** | **Last\_update\_user\_id** | **Not null** | **VARCHAR2(50)** | **最后修改人员ID** |

**Primary\_key**

|  |  |
| --- | --- |
| **name** | **column** |
| **PK\_MEMBER\_LABEL\_HEAD** | **M\_LABEL\_ID** |

## Member\_label\_type

会员标签类型定义表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Col.seq** | **Column** | **Null** | **Type** | **Desc** |
| 1 | **M\_**Label\_type\_id | **Not null** | **NUMBER(5)** | 标签类型ID**,自增长** |
| 2 | **M\_**Label\_type\_name | **Not null** | **VARCHAR2(50)** | 标签类型名称 |
| 3 | **M\_**Label\_type\_desc | **Not null** | **VARCHAR2(200)** | 标签类型说明 |
| 4 | **Create\_date** | **Not null** | **DATE** | **创建日期** |
| 5 | **Create\_user\_id** | **Not null** | **VARCHAR2(50)** | **创建人员ID** |
| 6 | **Last\_update\_date** | **Not null** | **DATE** | **最后修改日期** |
| 7 | **Last\_update\_user\_id** | **Not null** | **VARCHAR2(50)** | **最后修改人员ID** |

**Primary\_key**

|  |  |
| --- | --- |
| **name** | **column** |
| **PK\_MEMBER\_LABEL\_TYPE** | **P\_LABEL\_ID** |

## Member\_label\_link

会员标签—会员关联表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Col.seq** | **Column** | **Null** | **Type** | **Desc** |
| 1 | member\_key | Not null | **NUMBER(20)** | Member\_key |
| 2 | M\_Label\_id | **Not null** | **NUMBER(5)** | **商品标签ID** |
| 3 | **M\_Label\_type** | **Not null** | **VARCHAR2(20)** | **标签类型，可考虑以此字段分区提高查询效率** |
| 4 | Current\_flg | Not null | VARCHAR2(10) | 当前标志（Y:有效、N:无效） |
| 5 | **Create\_date** | **Not null** | **DATE** | **创建日期** |
| 6 | **Create\_user\_id** | **Not null** | **VARCHAR2(50)** | **创建人员ID** |
| 7 | **Last\_update\_date** | **Not null** | **DATE** | **最后修改日期** |
| 8 | **Last\_update\_user\_id** | **Not null** | **VARCHAR2(50)** | **最后修改人员ID** |

**Primary\_key**

|  |  |
| --- | --- |
| **name** | **column** |
| **PK\_MEMBER\_LABEL\_LINK** | **Member\_key,m\_label\_id** |