

LDM

Package in package 'Model'

LDM

Version 1.0 Phase 1.0 Proposed

Clumsiest created on 2018/5/16. Last modified 2018/5/16

LDM_AuIA diagram

类 *diagram* in package 'LDM'

LDM_AuIA

Version 1.0

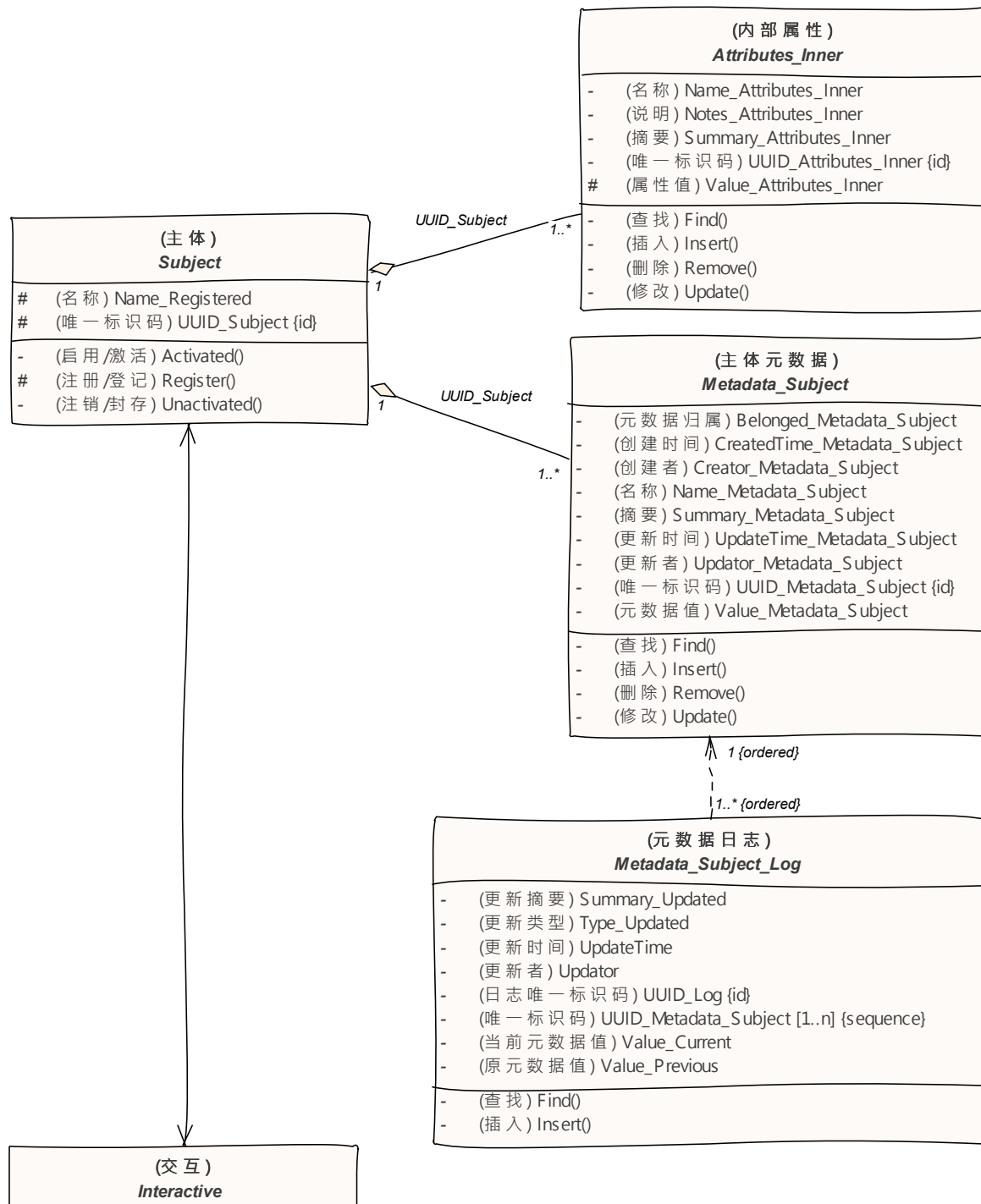
Clumsiest Information created on 2018/5/16. Last modified 2018/6/14

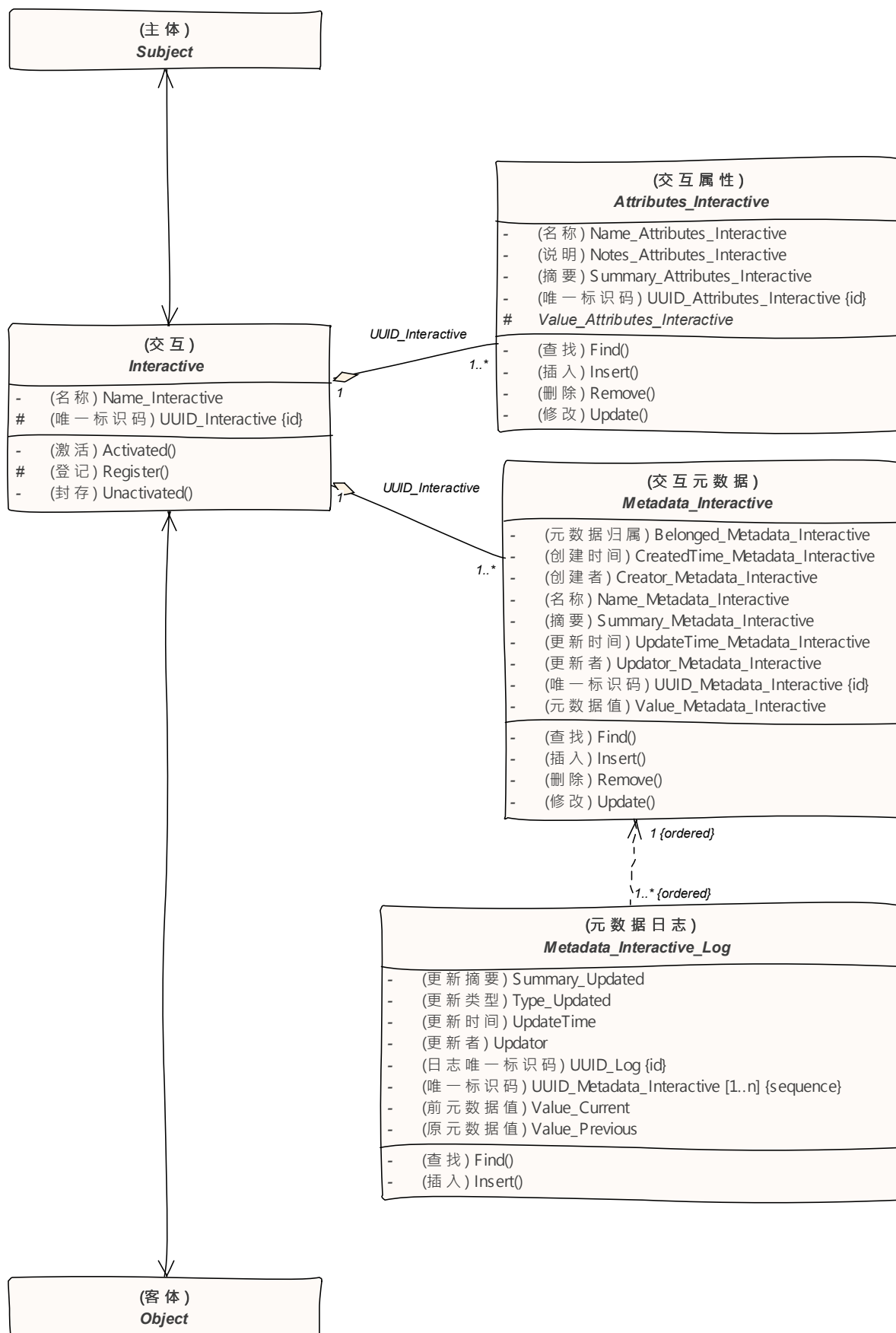
**The LDM (Logic Data Model) Diagram
of AuIA(Autonomous Information Asset)
in the BlockChain-Application Project.**

By Jeephy Ji

 D:\ProjectBA\Data Modeling\LDM_AuIA.pdf

名称: LDM_AuIA
作者: Clumsiest Information
版本: 1.0
Created: 2018/5/16 0:00:00
更新日期: 2018/6/14 23:08:01





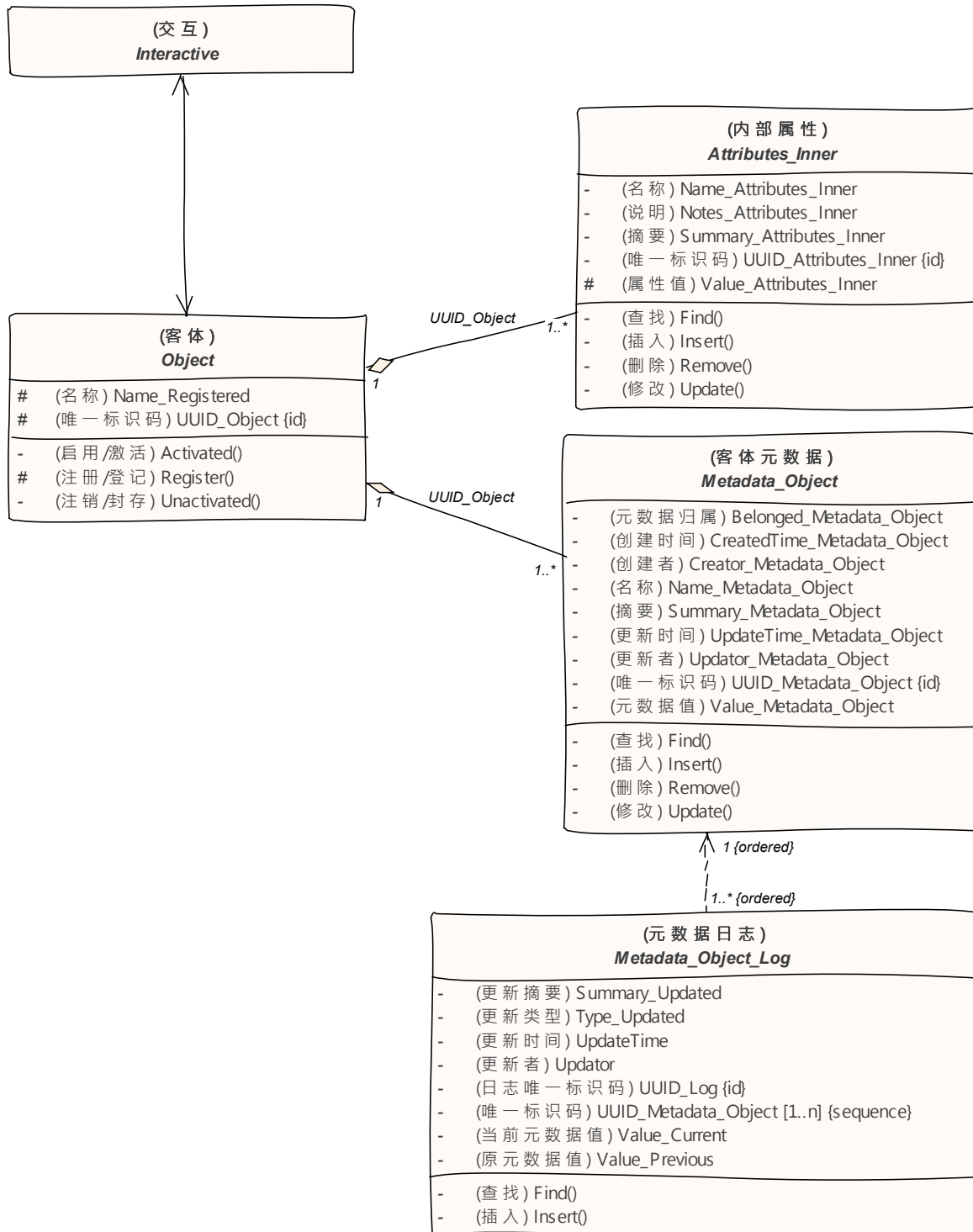


Figure 1: LDM_AuIA

注释

注释 *in package 'LDM'*

The LDM (Logic Data Model) Diagram of AuIA(Autonomous Information Asset) in the BlockChain-Application Project.

By Jeephy Ji

注释

Version 1.0 Phase 1.0 Proposed

Clumsiest Information created on 2018/5/23. Last modified 2018/5/28

Extends

文本

文本 *in package 'LDM'*

文本

Version 1.0 Phase 1.0 Proposed

Clumsiest Information created on 2018/5/16. Last modified 2018/5/16

Extends

D:\ProjectBA\Data Modeling\LDM_AuIA.pdf

文本 *in package 'LDM'*

D:\ProjectBA\Data Modeling\LDM_AuIA.pdf

Version 1.0 Phase 1.0 Proposed

Clumsiest Information created on 2018/5/23. Last modified 2018/5/23

Alias D:\ProjectBA\Data Modeling\LDM_AuIA.pdf

Extends

Attributes_Inner

类 *in package 'LDM'*

Attributes_Inner

Version 1.0 Phase 1.0 Proposed

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 内部属性

OUTGOING STRUCTURAL RELATIONSHIPS

← 聚合 from Attributes_Inner to Object





[Name is UUID_Object. Direction is '起始 -> 目标'.]

ATTRIBUTES

◆ Name_Attributes_Inner : Private

Alias: 名称

ATTRIBUTES	
	[Is static False. Containment is 未指定的.]
 Notes_Attributes_Inner : Private Alias: 说明	[Is static False. Containment is 未指定的.]
 Summary_Attributes_Inner : Private Alias: 摘要	[Is static False. Containment is 未指定的.]
 UUID_Attributes_Inner : Private Alias: 唯一标识码	[Is static False. Containment is 未指定的.]
 Value_Attributes_Inner : Protected Alias: 属性值	[Is static False. Containment is 未指定的.]

OPERATIONS	
 Find () : Private Alias: 查找	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Insert () : Private Alias: 插入	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Remove () : Private Alias: 删除	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Update () : Private Alias: 修改	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Attributes_Inner

类 in package 'LDM'

Attributes_Inner
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/16. Last modified 2018/6/14
Alias 内部属性

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← 聚合 from Attributes_Inner to Subject

[Name is UUID_Subject. Direction is '起始 -> 目标'.]

ATTRIBUTES

◆ Name_Attributes_Inner : Private
Alias: 名称

[Is static False. Containment is 未指定的.]

◆ Notes_Attributes_Inner : Private
Alias: 说明

[Is static False. Containment is 未指定的.]

◆ Summary_Attributes_Inner : Private
Alias: 摘要

[Is static False. Containment is 未指定的.]

◆ UUID_Attributes_Inner : Private
Alias: 唯一标识码

[Is static False. Containment is 未指定的.]

◆ Value_Attributes_Inner : Protected
Alias: 属性值

[Is static False. Containment is 未指定的.]

OPERATIONS

◆ Find () : Private
Alias: 查找

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Insert () : Private
Alias: 插入

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Remove () : Private
Alias: 删除

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Update () : Private
Alias: 修改

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Attributes_Interactive

类 in package 'LDM'

Attributes_Interactive
Version 1.0 Phase 1.0
Clumsiest Information created on 2018/6/14. Last modified 2018/6/14
Alias 交互属性

OUTGOING STRUCTURAL RELATIONSHIPS

← 聚合 from Attributes_Interactive to Interactive

[Name is UUID_Interactive. Direction is '起始 -> 目标'.]

ATTRIBUTES

◆ Name_Attributes_Interactive : Private
Alias: 名称

[Is static False. Containment is 未指定的.]

◆ Notes_Attributes_Interactive : Private
Alias: 说明

[Is static False. Containment is 未指定的.]

◆ Summary_Attributes_Interactive : Private
Alias: 摘要

[Is static False. Containment is 未指定的.]

◆ UUID_Attributes_Interactive : Private
Alias: 唯一标识码

[Is static False. Containment is 未指定的.]

◆ Value_Attributes_Interactive : Protected

[Is static False. Containment is 未指定的.]

OPERATIONS

◆ Find() : Private
Alias: 查找

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Insert() : Private
Alias: 插入

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Remove() : Private
Alias: 删除

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Update() : Private
Alias: 修改

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Interactive

类 in package 'LDM'

Interactive

Version 1.0 Phase 1.0

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 交互

ASSOCIATIONS

 关联 (direction: 双向)

Source: Public (类) Interactive

Target: Public (类) Object

Interactive

类 in package 'LDM'


Interactive

Version 1.0 Phase 1.0


Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 交互

INCOMING STRUCTURAL RELATIONSHIPS


 聚合 from Metadata_Interactive to Interactive

[Name is UUID_Interactive. Direction is '起始 -> 目标'.]


 聚合 from Attributes_Interactive to Interactive

[Name is UUID_Interactive. Direction is '起始 -> 目标'.]

ATTRIBUTES

 Name_Interactive : Private
Alias: 名称

[Is static False. Containment is 未指定的.]

 UUID_Interactive : Protected
Alias: 唯一标识码

[Is static False. Containment is 未指定的.]

ASSOCIATIONS

 关联 (direction: 双向)

Source: Public (类) Interactive


Target: Public (类) Subject

 关联 (direction: 双向)


ASSOCIATIONS

Source: Public (类) Object

Target: Public (类) Interactive

OPERATIONS **Activated ()** : Private
Alias: 激活

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 **Register ()** : Protected
Alias: 登记

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 **Unactivated ()** : Private
Alias: 封存

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Interactive

类 in package 'LDM'

Interactive

Version 1.0 Phase 1.0

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 交互

ASSOCIATIONS 关联 (direction: 双向)

Source: Public (类) Interactive

Target: Public (类) Subject

Metadata_Interactive


类 in package 'LDM'

Metadata_Interactive

Version 1.0 Phase 1.0

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 交互元数据

OUTGOING STRUCTURAL RELATIONSHIPS 聚合 from Metadata_Interactive to Interactive

[Name is UUID_Interactive. Direction is '起始 -> 目标'.]

CONNECTORS

CONNECTORS



依赖 起始 -> 目标

From: Metadata_Interactive_Log : 类, Public

To: Metadata_Interactive : 类, Public

ATTRIBUTES



Belonged_Metadata_Interactive : Private

Alias: 元数据归属

[Is static False. Containment is 未指定的.]



CreatedTime_Metadata_Interactive : Private

Alias: 创建时间

[Is static False. Containment is 未指定的.]



Creator_Metadata_Interactive : Private

Alias: 创建者

[Is static False. Containment is 未指定的.]



Name_Metadata_Interactive : Private

Alias: 名称

[Is static False. Containment is 未指定的.]



Summary_Metadata_Interactive : Private

Alias: 摘要

[Is static False. Containment is 未指定的.]



UpdateTime_Metadata_Interactive : Private

Alias: 更新时间

[Is static False. Containment is 未指定的.]



Updator_Metadata_Interactive : Private

Alias: 更新者

[Is static False. Containment is 未指定的.]



UUID_Metadata_Interactive : Private

Alias: 唯一标识码

[Is static False. Containment is 未指定的.]



Value_Metadata_Interactive : Private

Alias: 元数据值

[Is static False. Containment is 未指定的.]

OPERATIONS



Find() : Private

Alias: 查找

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

**Insert () : Private**

Alias: 插入

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

**Remove () : Private**

Alias: 删除

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

**Update () : Private**

Alias: 修改

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Metadata_Interactive_Log

类 in package 'LDM'

Metadata_Interactive_Log

Version 1.0 Phase 1.0

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 元数据日志

CONNECTORS

**依赖**

起始 -> 目标

From: Metadata_Interactive_Log : 类, Public

To: Metadata_Interactive : 类, Public

ATTRIBUTES

**Summary_Updated : Private**

Alias: 更新摘要

[Is static False. Containment is 未指定的.]

**Type_Updated : Private**

Alias: 更新类型

[Is static False. Containment is 未指定的.]

**UpdateTime : Private**

Alias: 更新时间

[Is static False. Containment is 未指定的.]

**Updator : Private**

Alias: 更新者

[Is static False. Containment is 未指定的.]

**UUID_Log : Private**

Alias: 日志唯一标识码

[Is static False. Containment is 未指定的.]

ATTRIBUTES	
 UUID_Metadata_Interactive : Private Alias: 唯一标识码 Multiplicity: ([1..n], Allow duplicates: 1, Is ordered: True)	[Is static False. Containment is 未指定的.]
 Value_Current : Private Alias: 前元数据值	[Is static False. Containment is 未指定的.]
 Value_Previous : Private Alias: 原元数据值	[Is static False. Containment is 未指定的.]
OPERATIONS	
 Find () : Private Alias: 查找	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Insert () : Private Alias: 插入	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]




Metadata_Object

类 in package 'LDM'

Metadata_Object
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/6/14. Last modified 2018/6/14
Alias 客体元数据

OUTGOING STRUCTURAL RELATIONSHIPS	
 聚合 from Metadata_Object to Object	[Name is UUID_Object. Direction is '起始 -> 目标'.]
CONNECTORS	
 依赖 起始 -> 目标 From: Metadata_Object_Log : 类, Public To: Metadata_Object : 类, Public	
ATTRIBUTES	
 Belonged_Metadata_Object : Private Alias: 元数据归属	

ATTRIBUTES	
	[Is static False. Containment is 未指定的.]
 CreatedTime_Metadata_Object : Private Alias: 创建时间	[Is static False. Containment is 未指定的.]
 Creator_Metadata_Object : Private Alias: 创建者	[Is static False. Containment is 未指定的.]
 Name_Metadata_Object : Private Alias: 名称	[Is static False. Containment is 未指定的.]
 Summary_Metadata_Object : Private Alias: 摘要	[Is static False. Containment is 未指定的.]
 UpdateTime_Metadata_Object : Private Alias: 更新时间	[Is static False. Containment is 未指定的.]
 Updater_Metadata_Object : Private Alias: 更新者	[Is static False. Containment is 未指定的.]
 UUID_Metadata_Object : Private Alias: 唯一标识码	[Is static False. Containment is 未指定的.]
 Value_Metadata_Object : Private Alias: 元数据值	[Is static False. Containment is 未指定的.]

OPERATIONS	
 Find () : Private Alias: 查找	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Insert () : Private Alias: 插入	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Remove () : Private Alias: 删除	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS



Update () : Private

Alias: 修改

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Metadata_Object_Log

类 in package 'LDM'

Metadata_Object_Log

Version 1.0 Phase 1.0 Proposed

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 元数据日志

CONNECTORS



依赖 起始 -> 目标

From: Metadata_Object_Log : 类, Public

To: Metadata_Object : 类, Public

ATTRIBUTES



Summary_Updated : Private

Alias: 更新摘要

[Is static False. Containment is 未指定的.]



Type_Updated : Private

Alias: 更新类型

[Is static False. Containment is 未指定的.]



UpdateTime : Private

Alias: 更新时间

[Is static False. Containment is 未指定的.]



Updater : Private

Alias: 更新者

[Is static False. Containment is 未指定的.]



UUID_Log : Private

Alias: 日志唯一标识码

[Is static False. Containment is 未指定的.]



UUID_Metadata_Object : Private

Alias: 唯一标识码

Multiplicity: ([1..n], Allow duplicates: 1, Is ordered: True)

[Is static False. Containment is 未指定的.]



Value_Current : Private


Alias: 当前元数据值

ATTRIBUTES	
	[Is static False. Containment is 未指定的.]
 Value_Previous : Private Alias: 原元数据值	[Is static False. Containment is 未指定的.]
OPERATIONS	
 Find () : Private Alias: 查找	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Insert () : Private Alias: 插入	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]





Metadata_Subject

类 in package 'LDM'

Metadata_Subject
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/16. Last modified 2018/6/14
Alias 主体元数据

OUTGOING STRUCTURAL RELATIONSHIPS	
 聚合 from Metadata_Subject to Subject	[Name is UUID_Subject. Direction is '起始 -> 目标'.]
CONNECTORS	
 依赖 起始 -> 目标 From: Metadata_Subject_Log : 类, Public To: Metadata_Subject : 类, Public	
ATTRIBUTES	
 Belonged_Metadata_Subject : Private Alias: 元数据归属	[Is static False. Containment is 未指定的.]
 CreatedTime_Metadata_Subject : Private Alias: 创建时间	[Is static False. Containment is 未指定的.]
 Creator_Metadata_Subject : Private Alias: 创建者	

ATTRIBUTES	
	[Is static False. Containment is 未指定的.]
 Name_Metadata_Subject : Private Alias: 名称	[Is static False. Containment is 未指定的.]
 Summary_Metadata_Subject : Private Alias: 摘要	[Is static False. Containment is 未指定的.]
 UpdateTime_Metadata_Subject : Private Alias: 更新时间	[Is static False. Containment is 未指定的.]
 Updator_Metadata_Subject : Private Alias: 更新者	[Is static False. Containment is 未指定的.]
 UUID_Metadata_Subject : Private Alias: 唯一标识码	[Is static False. Containment is 未指定的.]
 Value_Metadata_Subject : Private Alias: 元数据值	[Is static False. Containment is 未指定的.]


OPERATIONS	
 Find () : Private Alias: 查找	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Insert () : Private Alias: 插入	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Remove () : Private Alias: 删除	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Update () : Private Alias: 修改	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Metadata_Subject_Log

类 in package 'LDM'

Metadata_Subject_Log
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/6/14. Last modified 2018/6/14
Alias 元数据日志

CONNECTORS

 **依赖** 起始 -> 目标
From: Metadata_Subject_Log : 类, Public
To: Metadata_Subject : 类, Public

ATTRIBUTES


 **Summary_Updated** : Private
Alias: 更新摘要
[Is static False. Containment is 未指定的.]

 **Type_Updated** : Private
Alias: 更新类型
[Is static False. Containment is 未指定的.]

 **UpdateTime** : Private
Alias: 更新时间
[Is static False. Containment is 未指定的.]

 **Updater** : Private
Alias: 更新者
[Is static False. Containment is 未指定的.]


 **UUID_Log** : Private
Alias: 日志唯一标识码
[Is static False. Containment is 未指定的.]


 **UUID_Metadata_Subject** : Private
Alias: 唯一标识码
Multiplicity: ([1..n], Allow duplicates: 1, Is ordered: True)
[Is static False. Containment is 未指定的.]

 **Value_Current** : Private
Alias: 当前元数据值
[Is static False. Containment is 未指定的.]

 **Value_Previous** : Private
Alias: 原元数据值
[Is static False. Containment is 未指定的.]

OPERATIONS

 **Find ()** : Private

OPERATIONS	
Alias: 查找	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Insert () : Private Alias: 插入	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Object



类 in package 'LDM'

Object
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/6/14. Last modified 2018/6/14
Alias 客体

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ 聚合 from Attributes_Inner to Object	[Name is UUID_Object. Direction is '起始 -> 目标'.]
⇒ 聚合 from Metadata_Object to Object	[Name is UUID_Object. Direction is '起始 -> 目标'.]

ATTRIBUTES	
 Name_Registered : Protected Alias: 名称	[Is static False. Containment is 未指定的.]
 UUID_Object : Protected Alias: 唯一标识码	[Is static False. Containment is 未指定的.]

ASSOCIATIONS	
 关联 (direction: 双向)	
Source: Public (类) Interactive	Target: Public (类) Object

OPERATIONS	
 Activated () : Private Alias: 启用/激活	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Register () : Protected Alias: 注册/登记	

OPERATIONS

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Unactivated () : Private
Alias: 注销/封存

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Object

类 in package 'LDM'

Object

Version 1.0 Phase 1.0

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 客体

ASSOCIATIONS

✎ 关联 (direction: 双向)

Source: Public (类) Object

Target: Public (类) Interactive

Subject

类 in package 'LDM'

Subject

Version 1.0 Phase 1.0

Clumsiest Information created on 2018/6/14. Last modified 2018/6/14

Alias 主体

ASSOCIATIONS

✎ 关联 (direction: 双向)

Source: Public (类) Interactive

Target: Public (类) Subject

Subject

类 in package 'LDM'


Subject

Version 1.0 Phase 1.0 Proposed


Clumsiest Information created on 2018/5/16. Last modified 2018/5/16

Alias 主体

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS 聚合 from Attributes_Inner to Subject


[Name is UUID_Subject. Direction is '起始 -> 目标'.]

 聚合 from Metadata_Subject to Subject

[Name is UUID_Subject. Direction is '起始 -> 目标'.]

ATTRIBUTES Name_Registered : Protected
Alias: 名称

[Is static False. Containment is 未指定的.]


 UUID_Subject : Protected
Alias: 唯一标识码

[Is static False. Containment is 未指定的.]


ASSOCIATIONS 关联 (direction: 双向)

Source: Public (类) Interactive


Target: Public (类) Subject

OPERATIONS Activated () : Private
Alias: 启用/激活

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 Register () : Protected
Alias: 注册/登记

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 Unactivated () : Private
Alias: 注销/封存

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]