

CDM

Package in package 'Model'

CDM

Version 1.0 Phase 1.0 Proposed

Clumsiest Information created on 2018/5/13. Last modified 2018/5/16

CDM_AuIA diagram

Entity Relationship diagram in package 'CDM'

CDM_AuIA

Version 1.0

Clumsiest Information created on 2018/5/13. Last modified 2018/5/23

By Jeephy Ji

名称: CDM_AuIA
作者: Clumsiest Information
版本: 1.0
Created: 2018/5/13 0:00:00
更新日期: 2018/5/23 17:25:03

 [D:\ProjectBA\Data Modeling\CDM AuIA.pdf](#)

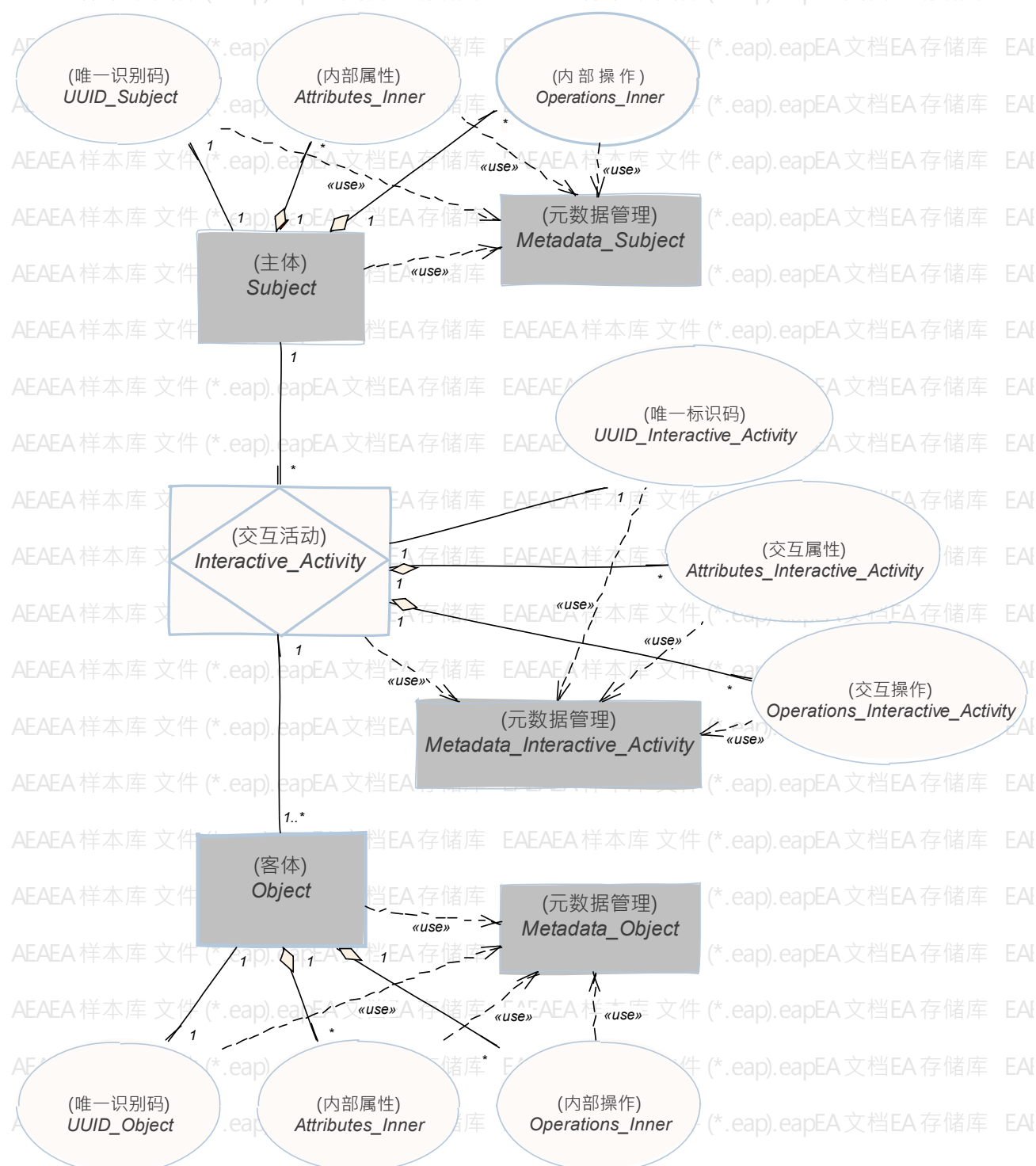


Figure 1: CDM AuIA

注释

注释 *in package 'CDM'*

The CDM (Conceptual 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

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Extends

文本

文本 *in package 'CDM'*

文本

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Extends

D:\ProjectBA\Data Modeling\CDM_AuIA.pdf

文本 *in package 'CDM'*

D:\ProjectBA\Data Modeling\CDM_AuIA.pdf

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

Extends

Attributes_Inner

ERD_Attribute «ERD_Attribute» *in package 'CDM'*

Attributes_Inner

Version 1.0 Phase 1.0 Proposed

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Alias 内部属性

CONNECTORS




依赖 «use» 起始 -> 目标

From: Attributes_Inner : ERD_Attribute, Public

To: Metadata_Object : ERD_Entity, Public

ASSOCIATIONS

ASSOCIATIONS

 ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_Entity) Object «ERD_Entity»
Cardinality: [1]

Target: Public (ERD_Attribute) Attributes_Inner
«ERD_Attribute»
Cardinality: [*]

Attributes_Inner

ERD_Attribute «ERD_Attribute» in package 'CDM'


Attributes_Inner

Version 1.0 Phase 1.0 Proposed

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Alias 内部属性


CONNECTORS

 依赖 «use» 起始 -> 目标

From: Attributes_Inner : ERD_Attribute, Public

To: Metadata_Subject : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»

Source: Public (ERD_Entity) Subject «ERD_Entity»
Cardinality: [1]

Target: Public (ERD_Attribute) Attributes_Inner
«ERD_Attribute»
Cardinality: [*]

Attributes_Interactive_Activity

ERD_Attribute «ERD_Attribute» in package 'CDM'


Attributes_Interactive_Activity

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Alias 交互属性


CONNECTORS

 依赖 «use» 起始 -> 目标

From: Attributes_Interactive_Activity : ERD_Attribute, Public

To: Metadata_Interactive_Activity : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_naryAssociation) Interactive_Activity
«ERD_naryAssociation»
Cardinality: [1]

Target: Public (ERD_Attribute)
Attributes_Interactive_Activity «ERD_Attribute»
Cardinality: [*]

ASSOCIATIONS


Interactive_Activity

ERD_naryAssociation «ERD_naryAssociation» in package 'CDM'






(交互活动)

Interactive_Activity
Version 1.0 Phase 1.0 Proposed
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Alias 交互活动

CONNECTORS

 依赖 «use» 起始 -> 目标
From: Interactive_Activity : ERD_naryAssociation, Public
To: Metadata_Interactive_Activity : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 不指定的) «ERD_Connector»	
Source: Public (ERD_naryAssociation) Interactive_Activity «ERD_naryAssociation» Cardinality: [1]	Target: Public (ERD_Attribute) Operations_Interactive_Activity «ERD_Attribute» Cardinality: [*]
 ERD_Connector (direction: 不指定的) «ERD_Connector»	
Source: Public (ERD_naryAssociation) Interactive_Activity «ERD_naryAssociation» Cardinality: [1]	Target: Public (ERD_Attribute) UUID_Interactive_Activity «ERD_Attribute» Cardinality: [1]
 ERD_Connector (direction: 不指定的) «ERD_Connector»	
Source: Public (ERD_naryAssociation) Interactive_Activity «ERD_naryAssociation» Cardinality: [1]	Target: Public (ERD_Attribute) Attributes_Interactive_Activity «ERD_Attribute» Cardinality: [*]
 ERD_Connector (direction: 不指定的) «ERD_Connector»	
Source: Public (ERD_Entity) Subject «ERD_Entity» Cardinality: [1]	Target: Public (ERD_naryAssociation) Interactive_Activity «ERD_naryAssociation» Cardinality: [*]
 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»	
Source: Public (ERD_Entity) Object «ERD_Entity» Cardinality: [1..*]	Target: Public (ERD_naryAssociation) Interactive_Activity «ERD_naryAssociation» Cardinality: [1]





Metadata_Interactive_Activity

ERD_Entity «ERD_Entity» in package 'CDM'

Metadata_Interactive_Activity
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Alias 元数据管理

CONNECTORS	
 依赖 «use» 起始 -> 目标	
From: UUID_Interactive_Activity : ERD_Attribute, Public	
To: Metadata_Interactive_Activity : ERD_Entity, Public	
 依赖 «use» 起始 -> 目标	
From: Operations_Interactive_Activity : ERD_Attribute, Public	
To: Metadata_Interactive_Activity : ERD_Entity, Public	
 依赖 «use» 起始 -> 目标	
From: Interactive_Activity : ERD_naryAssociation, Public	
To: Metadata_Interactive_Activity : ERD_Entity, Public	
 依赖 «use» 起始 -> 目标	
From: Attributes_Interactive_Activity : ERD_Attribute, Public	
To: Metadata_Interactive_Activity : ERD_Entity, Public	




Metadata_Object

ERD_Entity «ERD_Entity» in package 'CDM'

Metadata_Object
Version 1.0 Phase 1.0 Proposed

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Alias 元数据管理

CONNECTORS	
 依赖 «use» 起始 -> 目标	
From: Object : ERD_Entity, Public	
To: Metadata_Object : ERD_Entity, Public	
 依赖 «use» 起始 -> 目标	
From: UUID_Object : ERD_Attribute, Public	
To: Metadata_Object : ERD_Entity, Public	
 依赖 «use» 起始 -> 目标	
From: Attributes_Inner : ERD_Attribute, Public	
To: Metadata_Object : ERD_Entity, Public	

CONNECTORS



依赖 «use» 起始 -> 目标

From: Operations_Inner : ERD_Attribute, Public

To: Metadata_Object : ERD_Entity, Public

Metadata_Subject

ERD_Entity «ERD_Entity» in package 'CDM'

Metadata_Subject

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Alias 元数据管理

CONNECTORS



依赖 «use» 起始 -> 目标

From: UUID_Subject : ERD_Attribute, Public

To: Metadata_Subject : ERD_Entity, Public



依赖 «use» 起始 -> 目标

From: Operations_Inner : ERD_Attribute, Public

To: Metadata_Subject : ERD_Entity, Public



依赖 «use» 起始 -> 目标

From: Subject : ERD_Entity, Public

To: Metadata_Subject : ERD_Entity, Public



依赖 «use» 起始 -> 目标

From: Attributes_Inner : ERD_Attribute, Public

To: Metadata_Subject : ERD_Entity, Public

Object

ERD_Entity «ERD_Entity» in package 'CDM'

Object

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Alias 客体

CONNECTORS



依赖 «use» 起始 -> 目标

From: Object : ERD_Entity, Public

To: Metadata_Object : ERD_Entity, Public

ASSOCIATIONS



ASSOCIATIONS	
 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»	
Source: Public (ERD_Entity) Object «ERD_Entity» Cardinality: [1]	Target: Public (ERD_Attribute) UUID_Object «ERD_Attribute» Cardinality: [1]
 ERD_Connector (direction: 不指定的) «ERD_Connector»	
Source: Public (ERD_Entity) Object «ERD_Entity» Cardinality: [1]	Target: Public (ERD_Attribute) Attributes_Inner «ERD_Attribute» Cardinality: [*]
 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»	
Source: Public (ERD_Entity) Object «ERD_Entity» Cardinality: [1..*]	Target: Public (ERD_naryAssociation) Interactive_Activity «ERD_naryAssociation» Cardinality: [1]
 ERD_Connector (direction: 不指定的) «ERD_Connector»	
Source: Public (ERD_Entity) Object «ERD_Entity» Cardinality: [1]	Target: Public (ERD_Attribute) Operations_Inner «ERD_Attribute» Cardinality: [*]

Operations_Inner

ERD_Attribute «ERD_Attribute» in package 'CDM'

自有关系

Operations_Inner
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Alias 内部操作


CONNECTORS	
 依赖 «use» 起始 -> 目标	
From: Operations_Inner : ERD_Attribute, Public To: Metadata_Subject : ERD_Entity, Public	
ASSOCIATIONS	
 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»	
Source: Public (ERD_Entity) Subject «ERD_Entity» Cardinality: [1]	Target: Public (ERD_Attribute) Operations_Inner «ERD_Attribute» Cardinality: [*]

Operations_Inner


ERD_Attribute «ERD_Attribute» in package 'CDM'

Operations_Inner
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Alias 内部操作

CONNECTORS

 依赖 «use» 起始 -> 目标
From: Operations_Inner : ERD_Attribute, Public
To: Metadata_Object : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 不指定的) «ERD_Connector»


Source: Public (ERD_Entity) Object «ERD_Entity» Cardinality: [1]	Target: Public (ERD_Attribute) Operations_Inner «ERD_Attribute» Cardinality: [*]
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Operations_Interactive_Activity


ERD_Attribute «ERD_Attribute» in package 'CDM'

Operations_Interactive_Activity
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Alias 交互操作

CONNECTORS

 依赖 «use» 起始 -> 目标
From: Operations_Interactive_Activity : ERD_Attribute, Public
To: Metadata_Interactive_Activity : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 不指定的) «ERD_Connector»


Source: Public (ERD_naryAssociation) Interactive_Activity «ERD_naryAssociation» Cardinality: [1]	Target: Public (ERD_Attribute) Operations_Interactive_Activity «ERD_Attribute» Cardinality: [*]
--	---

Subject


ERD_Entity «ERD_Entity» in package 'CDM'


Subject
Version 1.0 Phase 1.0 Proposed


CONNECTORS


 依赖 «use» 起始 -> 目标
 From: Subject : ERD_Entity, Public
 To: Metadata_Subject : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»
 Source: Public (ERD_Entity) Subject «ERD_Entity»
 Cardinality: [1]
 Target: Public (ERD_Attribute) Operations_Inner
 «ERD_Attribute»
 Cardinality: [*]

 ERD_Connector (direction: 不指定的) «ERD_Connector»
 Source: Public (ERD_Entity) Subject «ERD_Entity»
 Cardinality: [1]
 Target: Public (ERD_naryAssociation)
 Interactive_Activity «ERD_naryAssociation»
 Cardinality: [*]

 ERD_Connector (direction: 不指定的) «ERD_Connector»
 Source: Public (ERD_Entity) Subject «ERD_Entity»
 Cardinality: [1]
 Target: Public (ERD_Attribute) UUID_Subject
 «ERD_Attribute»
 Cardinality: [1]

 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»
 Source: Public (ERD_Entity) Subject «ERD_Entity»
 Cardinality: [1]
 Target: Public (ERD_Attribute) Attributes_Inner
 «ERD_Attribute»
 Cardinality: [*]

UUID_Interactive_Activity


ERD_Attribute «ERD_Attribute» in package 'CDM'

UUID_Interactive_Activity
 Version 1.0 Phase 1.0 Proposed

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Alias 唯一标识码

CONNECTORS

 依赖 «use» 起始 -> 目标
 From: UUID_Interactive_Activity : ERD_Attribute, Public
 To: Metadata_Interactive_Activity : ERD_Entity, Public

ASSOCIATIONS

ASSOCIATIONS

 ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_naryAssociation) Interactive_Activity
«ERD_naryAssociation»
Cardinality: [1]

Target: Public (ERD_Attribute)
UUID_Interactive_Activity «ERD_Attribute»
Cardinality: [1]

UUID_Object

ERD_Attribute «ERD_Attribute» in package 'CDM'


UUID_Object

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Alias 唯一识别码

CONNECTORS

 依赖 «use» 起始 -> 目标

From: UUID_Object : ERD_Attribute, Public
To: Metadata_Object : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 起始 -> 目标) «ERD_Connector»

Source: Public (ERD_Entity) Object «ERD_Entity»
Cardinality: [1]

Target: Public (ERD_Attribute) UUID_Object
«ERD_Attribute»
Cardinality: [1]

UUID_Subject

ERD_Attribute «ERD_Attribute» in package 'CDM'


UUID_Subject

Version 1.0 Phase 1.0 Proposed

Clumsiest Information created on 2018/5/13. Last modified 2018/5/16


Alias 唯一识别码

CONNECTORS

 依赖 «use» 起始 -> 目标

From: UUID_Subject : ERD_Attribute, Public
To: Metadata_Subject : ERD_Entity, Public

ASSOCIATIONS

 ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_Entity) Subject «ERD_Entity»
Cardinality: [1]

Target: Public (ERD_Attribute) UUID_Subject
«ERD_Attribute»
Cardinality: [1]

ASSOCIATIONS