

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

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The CDM (Conceptual Data Model) Diagram of AulA (Autonomous Information Asset) in the BlockChain-Application Project.

By Jeephy Ji

D:\ProjectBA\Data Modeling\CDM_AuIA.pdf

名称: CDM_AuIA
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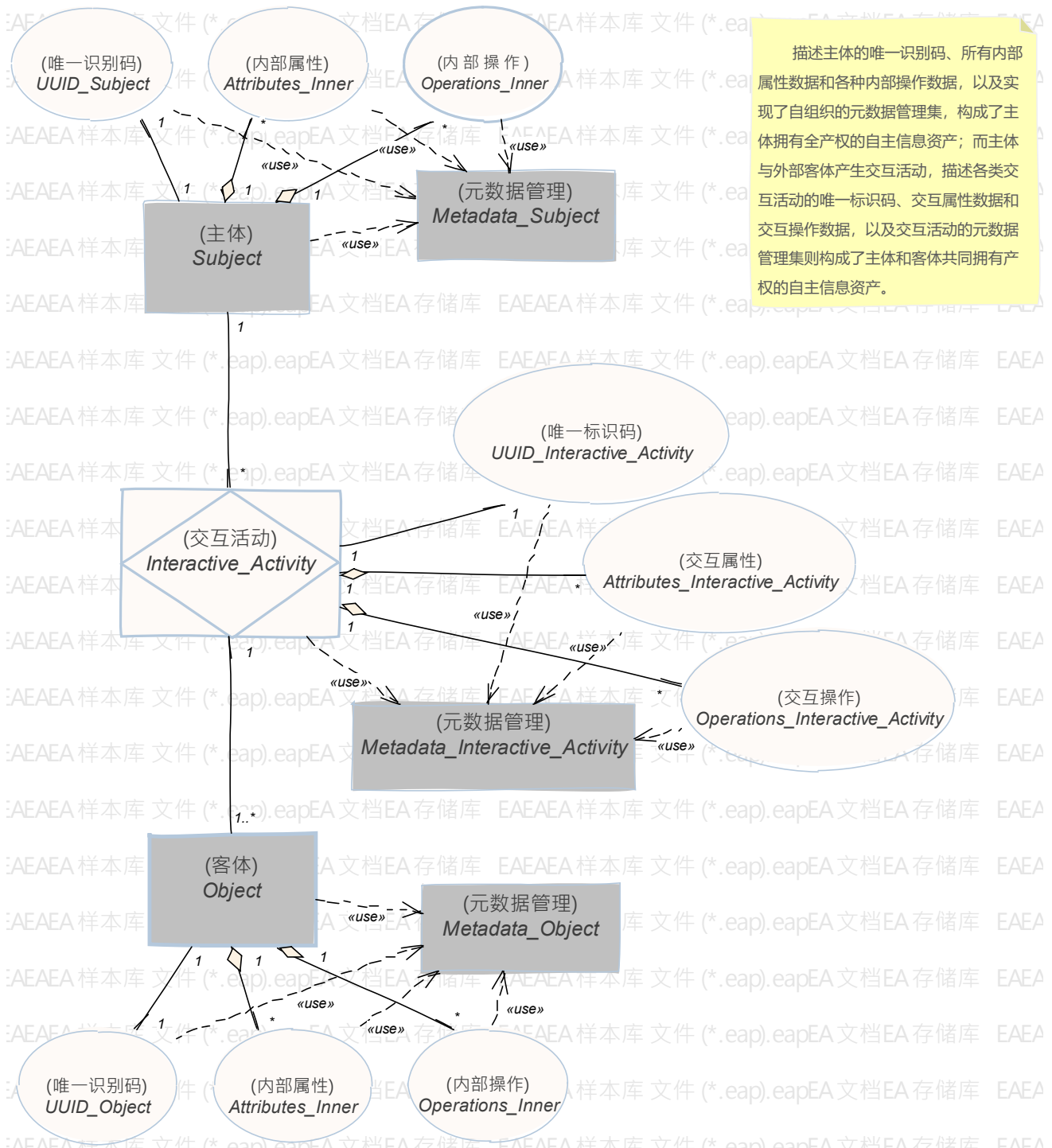


Figure 1: CDM_AuIA

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

注释

注释 *in package 'CDM'*

描述主体的唯一识别码、所有内部属性数据和各种内部操作数据，以及实现了自组织的元数据管理集，构成了主体拥有全产权的自主信息资产；而主体与外部客体产生交互活动，描述各类交互活动的唯一标识码、交互属性数据和交互操作数据，以及交互活动的元数据管理集则构成了主体和客体共同拥有产权的自主信息资产。

注释

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Extends

文本

文本 *in package 'CDM'*

文本

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Extends

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文本 *in package 'CDM'*

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

Extends

Attributes_Inner

ERD_Attribute «ERD_Attribute» *in package 'CDM'*

Attributes_Inner

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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

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

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: [*]

Interactive_Activity

ERD_naryAssociation «ERD_naryAssociation» in package 'CDM'

(交互活动)

Interactive_Activity

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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»

ASSOCIATIONS	
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
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Alias 元数据管理

CONNECTORS

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



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

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: 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
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/13. Last modified 2018/5/16
Alias 客体


CONNECTORS


 依赖 «use» 起始 -> 目标
From: Object : ERD_Entity, 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]

 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: [*]

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

Target: Public (ERD_Attribute)

ASSOCIATIONS

«ERD_naryAssociation»
Cardinality: [1]

Operations_Interactive_Activity «ERD_Attribute»
Cardinality: [*]

Subject

ERD_Entity «ERD_Entity» in package 'CDM'


Subject

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Alias 主体


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

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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

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

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

Alias 唯一识别码

CONNECTORS

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]