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 2018/6/14

CDM

Package in package 'Model'

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

By Jeephy Ji

D:\ProjectBA\Data Modeling\CDM_AuIA.pdf

名称: CDM_AuIA
作者: Clumsiest Information
版本: 1.0
Created: 2018/5/13 0:00:00
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描述主体的唯一识别码、所有内部属性和各种内部操作，以及实现了自组织的元数据管理，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，描述各类交互活动的唯一标识码、交互属性和交互操作，以及交互活动的元数据管理则构成了主体和客体共同拥有产权的自主信息资产。
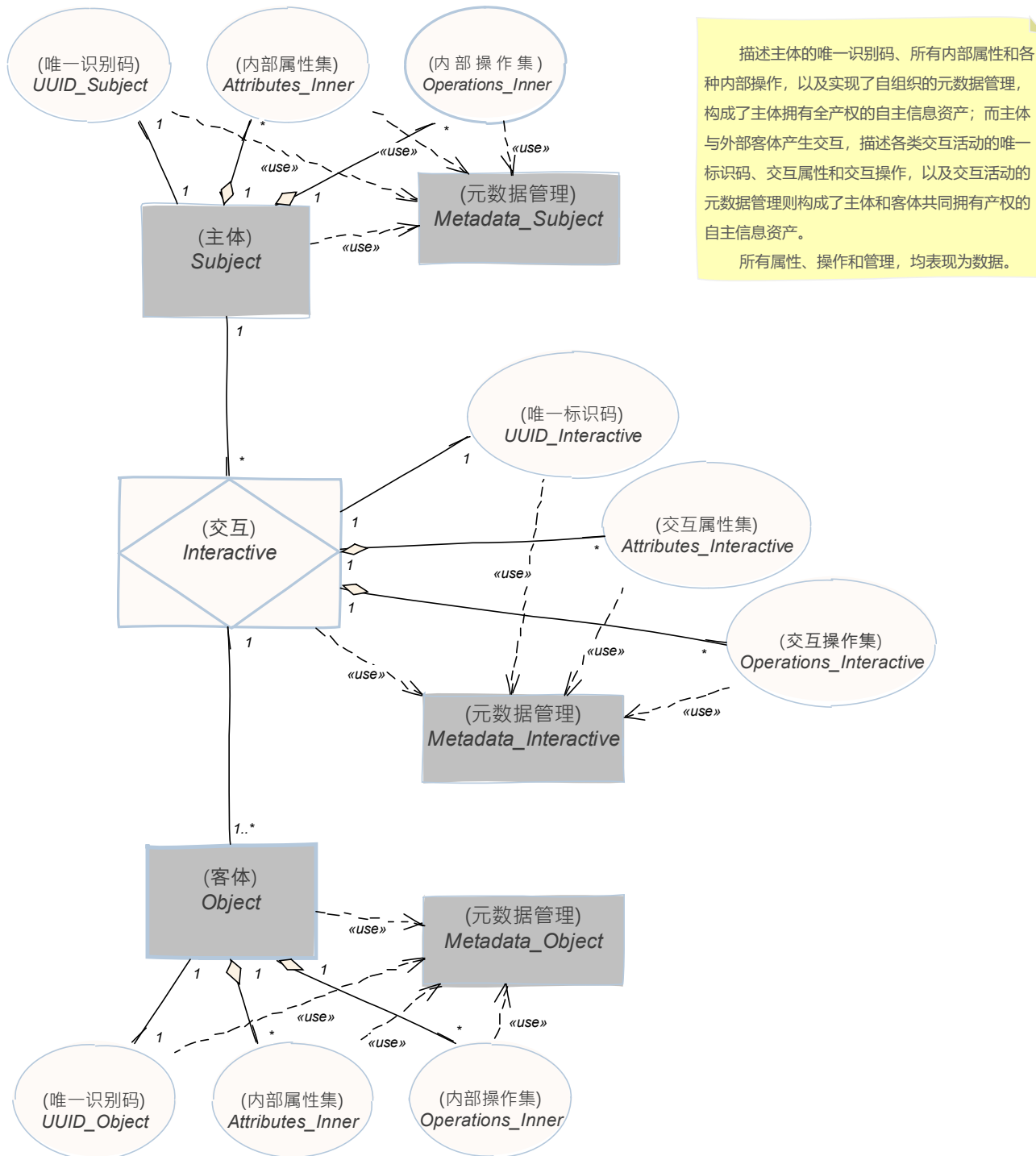
所有属性、操作和管理，均表现为数据。

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
Clumsiest created on 2018/5/15. Last modified 2018/5/23
Extends

注释

注释 *in package 'CDM'*

  描述主体的唯一识别码、所有内部属性和各种内部操作，以及实现了自组织的元数据管理，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，描述各类交互活动的唯一标识码、交互属性和交互操作，以及交互活动的元数据管理则构成了主体和客体共同拥有产权的自主信息资产。
  所有属性、操作和管理，均表现为数据。

注释
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/23. Last modified 2018/6/14
Extends

文本

文本 *in package 'CDM'*

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Version 1.0 Phase 1.0 Proposed
Clumsiest created on 2018/5/16. Last modified 2018/5/16
Extends

D:\ProjectBA\Data Modeling\CDM_AuIA.pdf

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'*

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

Attributes_Inner

ERD_Attribute «ERD_Attribute» in package 'CDM'

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

Attributes_Interactive

ERD_Attribute «ERD_Attribute» in package 'CDM'

CONNECTORS

CONNECTORS

➚ **依赖** «use»   起始 -> 目标
From: Attributes_Interactive : ERD_Attribute, Public
To: Metadata_Interactive : ERD_Entity, Public

ASSOCIATIONS

✎ ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_naryAssociation) Interactive   Target: Public (ERD_Attribute)
«ERD_naryAssociation»   Attributes_Interactive «ERD_Attribute»
    Cardinality: [1]   Cardinality: [*]

Interactive

ERD_naryAssociation «ERD_naryAssociation» in package 'CDM'

(交互活动)

Interactive
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/13. Last modified 2018/6/14
Alias 交互

CONNECTORS

➚ **依赖** «use»   起始 -> 目标
From: Interactive : ERD_naryAssociation, Public
To: Metadata_Interactive : ERD_Entity, Public

ASSOCIATIONS

✎ ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_naryAssociation) Interactive   Target: Public (ERD_Attribute)
«ERD_naryAssociation»   Operations_Interactive «ERD_Attribute»
    Cardinality: [1]   Cardinality: [*]

✎ ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_naryAssociation) Interactive   Target: Public (ERD_Attribute) UUID_Interactive
«ERD_naryAssociation»   «ERD_Attribute»
    Cardinality: [1]   Cardinality: [1]

✎ ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_naryAssociation) Interactive   Target: Public (ERD_Attribute)
«ERD_naryAssociation»   Attributes_Interactive «ERD_Attribute»
    Cardinality: [1]   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
«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
«ERD_naryAssociation»
    Cardinality: [1]

Metadata_Interactive

ERD_Entity «ERD_Entity» in package 'CDM'

Metadata_Interactive
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/23. Last modified 2018/6/14
Alias 元数据管理

CONNECTORS

↗ 依赖 «use»   起始 -> 目标
From: UUID_Interactive : ERD_Attribute, Public
To: Metadata_Interactive : ERD_Entity, Public

↗ 依赖 «use»   起始 -> 目标
From: Operations_Interactive : ERD_Attribute, Public
To: Metadata_Interactive : ERD_Entity, Public

↗ 依赖 «use»   起始 -> 目标
From: Interactive : ERD_naryAssociation, Public
To: Metadata_Interactive : ERD_Entity, Public

↗ 依赖 «use»   起始 -> 目标
From: Attributes_Interactive : ERD_Attribute, Public
To: Metadata_Interactive : ERD_Entity, Public

Metadata_Object

ERD_Entity «ERD_Entity» in package 'CDM'

Metadata_Object
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/23. Last modified 2018/5/23
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
Clumsiest Information created on 2018/5/23. Last modified 2018/5/23
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»   Target: Public (ERD_Attribute) UUID_Object
    Cardinality: [1]   «ERD_Attribute»
                                                              Cardinality: [1]

✎ ERD_Connector (direction: 不指定的) «ERD_Connector»

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

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

Source: Public (ERD_Entity) Object «ERD_Entity»   Target: Public (ERD_naryAssociation) Interactive
    Cardinality: [1..*]   «ERD_naryAssociation»
                                                              Cardinality: [1]

✎ ERD_Connector (direction: 不指定的) «ERD_Connector»

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

Operations_Inner

ERD_Attribute «ERD_Attribute» in package 'CDM'

Operations_Inner
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/13. Last modified 2018/5/24
Alias 内部操作集

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_Inner

ERD_Attribute «ERD_Attribute» in package 'CDM'

自有关系

<div align="right">

Operations_Inner
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/13. Last modified 2018/5/24
Alias 内部操作集

</div>

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_Interactive

ERD_Attribute «ERD_Attribute» in package 'CDM'

<div align="right">

Operations_Interactive
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/13. Last modified 2018/6/14
Alias 交互操作集

</div>

CONNECTORS

↗ **依赖** «use»　　起始 -> 目标
From:　　　Operations_Interactive : ERD_Attribute, Public
To:　　　　Metadata_Interactive : ERD_Entity, Public

ASSOCIATIONS

✎ ERD_Connector (direction: 不指定的) «ERD_Connector»

ASSOCIATIONS	

Source: Public (ERD_naryAssociation) Interactive «ERD_naryAssociation»
 	
    Cardinality: [1]
	Target: Public (ERD_Attribute) Operations_Interactive «ERD_Attribute»
	
	    Cardinality: [*]

Subject

ERD_Entity «ERD_Entity» in package 'CDM'

Subject
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/13. Last modified 2018/5/23
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 «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

ERD_Attribute «ERD_Attribute» in package 'CDM'

UUID_Interactive

Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/13. Last modified 2018/6/14
Alias 唯一标识码

CONNECTORS

↗ **依赖** «use»　起始 -> 目标
From:　　　UUID_Interactive : ERD_Attribute, Public
To:　　　　Metadata_Interactive : ERD_Entity, Public

ASSOCIATIONS

✏ ERD_Connector (direction: 不指定的) «ERD_Connector»

Source: Public (ERD_naryAssociation) Interactive　　Target: Public (ERD_Attribute) UUID_Interactive
«ERD_naryAssociation»　　　　　　　　　　　　　　«ERD_Attribute»
　Cardinality: [1]　　　　　　　　　　　　　　　　　Cardinality: [1]

UUID_Object

ERD_Attribute «ERD_Attribute» in package 'CDM'

UUID_Object
Version 1.0 Phase 1.0 Proposed
Clumsiest Information created on 2018/5/15. Last modified 2018/5/16
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»　　Target: Public (ERD_Attribute) UUID_Object
　Cardinality: [1]　　　　　　　　　　　　　　　　«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

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