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# **ArcGIS Workspace**

Package «ArcGIS» in package 'Model'

ArcGIS Workspace Version 1.0 Phase 1.0 Proposed 32fuab1mpg created on 26.12.2023. Last modified 02.03.2012

# **ArcGIS Workspace diagram**

ArcGIS diagram in package 'ArcGIS Workspace'

ArcGIS Workspace
Version 1.1
32fuab1mpg created on 26.12.2023. Last modified 30.12.2023

Create your ArcGIS UML model by dropping elements from the ArcGIS Toolbox pages onto an ArcGIS diagram such as this.

Use the "Features" package to contain your Feature classes. Coded Value Domains and Range Domains should be defined in the "Domains" package.

Before exporting your model to an ArcGIS schema, you need to define at least one Spatial Reference element. Spatial Reference elements are referred to by other schema elements via a dynamically linked Tagged Value, named "SpatialReference".

A sample Spatial Reference element has been created for you under the "Spatial References" package. To add a valid coordinate system and default values to the element, simply select the "MySpatialReference" element and choose: Extensions > ArcGIS > Set Spatial Reference.

You can export your model as an ArcGIS schema by selecting the ArcGIS Workspace in the Project Browser and choosing: Extensions > ArcGIS > Export to ArcGIS Workspace XML

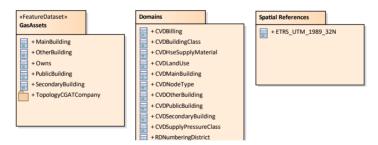


Figure 1: ArcGIS Workspace

### Note

Note in package 'ArcGIS Workspace'

Create your ArcGIS UML model by dropping elements from the ArcGIS Toolbox pages onto an ArcGIS diagram such as this.

Use the "Features" package to contain your Feature classes. Coded Value Domains and Range Domains should be defined in the "Domains" package.

**Before exporting your model to an ArcGIS schema, you need to define at least one Spatial Reference element.** Spatial Reference elements are referred to by other schema elements via a dynamically linked Tagged Value, named "SpatialReference".

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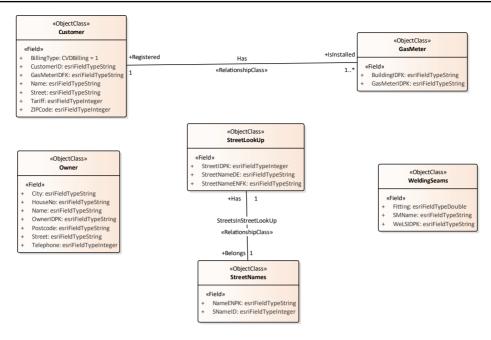
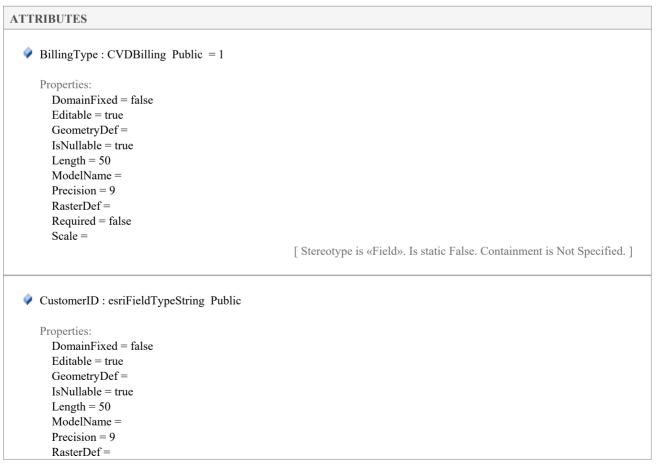


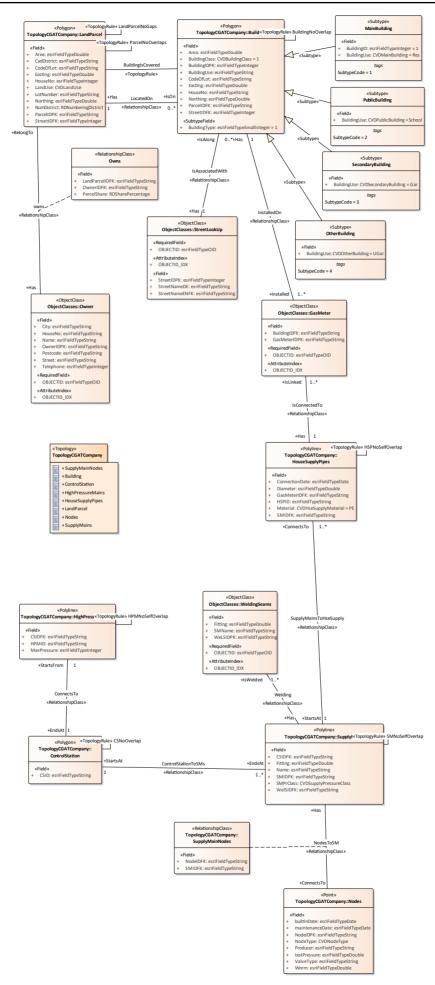
Figure 2: ObjectClasses

### **Customer**

ObjectClass «ObjectClass» in package 'ObjectClasses'

Customer Version 1.0 Phase 1.0 Proposed 32fuab1mpg created on 29.12.2023. Last modified 29.12.2023





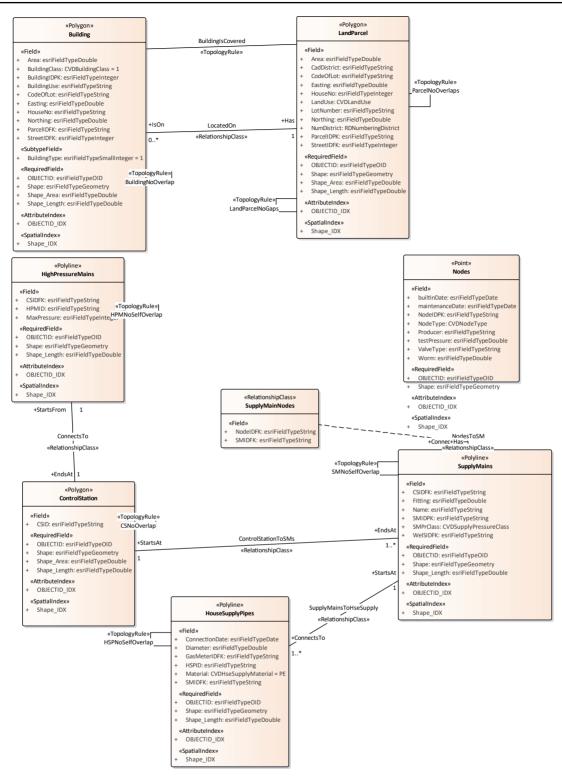


Figure 4: TopologyATownCompany

# **SupplyMainNodes**

RelationshipClass «RelationshipClass» in package 'TopologyCGATCompany'

SupplyMainNodes Version 1.0 Phase 1.0 Proposed 32fuab1mpg created on 29.12.2023. Last modified 29.12.2023

### CVDBilling

- FieldType: esriFieldType = esriFieldTypeString
- MergePolicy: esriMergePolicyType = esriMPTDefaultValue SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

- Cash = 1
- Check = 2

#### «CodedValueDomain» CVDNodeType

- FieldType: esriFieldType = esriFieldTypeString
- MergePolicy: esriMergePolicyType = esriMPTDefaultValue SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

- CondensateCollector = 1
- Flange = 2 Reduction = 3
- TFitting = 4 Valve = 5

# «RangeDomain» DNumberingDistrict

- FieldType: esriFieldType = esriFieldTypeInteger
- MaxValue = 999999
- MergePolicy: esriMergePolicyType = esriMPTDefaultValue
  MinValue = 10000
  SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

# «CodedValueDomain»

- FieldType: esriFieldType = esriFieldTypeString
- MergePolicy: esriMergePolicyType = esriMPTDefaultValue
  SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

#### «DomainCodedValue»

- Commercial = Com
- Hotel = Hotel
- Residential = Res ResidentialCommercial = ResCom
- ResidentialService = ResSer
- Restaurant = Rest
- Spa = Spa SportBuilding = Sport
- SummerHouse = SumHse

# «CodedValueDomain»

### CVDSecondaryBuilding

- FieldType: esriFieldType = esriFieldTypeString
  MergePolicy: esriMergePolicyType = esriMPTDefaultValue
  SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

### «DomainCodedValue»

- Barn = Barn FabricBuilding = FacBld

- Garage = Gar ServiceBuilding = SerBld Shed = Shed Stable = Stable
- Warehouse = WreHse
- WC = WC
- Workshop = WrkShp

# «CodedValueDomain»

- FieldType: esriFieldType = esriFieldTypeString MergePolicy: esriMergePolicyType = esriMPTDefaultValue SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

### «DomainCodedValue»

- Hochdruch = HD Mitteldruck = MD
- Niederdruck = ND

- FieldType: esriFieldType = esriFieldTypeString
- MergePolicy: esriMergePolicyType = esriMPTDefaultValue

### SplitPolicy: esriSplitPolicyType = esriSPTDuplica

- «DomainCodedValue»
- AgriculturalArea = 10 BuildingandTraffic = 3
- Residential = 1
- SupplyFacilities = 4 TrafficArea = 20
- Unused = 2

#### «RangeDomain» RDSharePercentage

- FieldType: esriFieldType = esriFieldTypeInteger
- MaxValue = 100
  MergePolicy: esriMergePolicyType = esriMPTDefaultValue
- MinValue = 1
- SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

#### «CodedValueDomain» CVDBuildingClass

- FieldType: esriFieldType = esriFieldTypeString
  MergePolicy: esriMergePolicyType = esriMPTDefaultValue
  SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

# «DomainCodedValue»

- M = 1
- O = 2 S = 3

#### «CodedValueDomain» CVDPublicBuilding

- FieldType: esriFieldType = esriFieldTypeString
- MergePolicy: esriMergePolicyType = esriMPTDefaultValue SplitPolicy: esriSplitPolicyType = esriSPTDuplicate

### «DomainCodedValue»

- Church = Church
- CommunityBuilding = ComBld Gymnasium = Gym
- Kindergarden = Kiga
- School = School

## «CodedValueDomain»

- FieldType: esriFieldType = esriFieldTypeString
  MergePolicy: esriMergePolicyType = esriMPTDefaultValue SplitPolicy: esriSplitPolicyType = esriSPTDuplicate
- «DomainCodedValue»
- UndergroundGarage = UGar Unknown = NKN

# «CodedValueDomain»

- FieldType: esriFieldType = esriFieldTypeString
- MergePolicy: esriMergePolicyType = esriMPTDefaultValue
  SplitPolicy: esriSplitPolicyType = esriSPTDuplicate
- «DomainCodedValue»
- Polythene = PE Steel = ST

## Figure 5: Domains

# **CVDBilling**

CodedValueDomain «CodedValueDomain» in package 'Domains'

# **Spatial References**

Package in package 'ArcGIS Workspace'

Spatial References
Version 1.0 Phase 1.0 Proposed
32fuab1mpg created on 26.12.2023. Last modified 26.12.2023

# **Spatial References diagram**

ArcGIS diagram in package 'Spatial References'

Spatial References
Version 1.1
32fuab1mpg created on 26.12.2023. Last modified 26.12.2023

Use this diagram to define the spatial reference information of your schema. You can define one or more Spatial Reference elements, which are referred to by other elements in your schema that require Spatial Reference information, such as a coordinate system, XYTolerance etc.

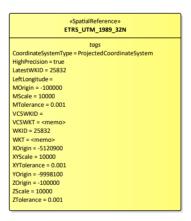


Figure 6: Spatial References

### Note

Note in package 'Spatial References'

Use this diagram to define the spatial reference information of your schema. You can define one or more Spatial Reference elements, which are referred to by other elements in your schema that require Spatial Reference information, such as a coordinate system, XYTolerance etc.

Note
Version 1.0 Phase 1.0 Proposed
32fuab1mpg created on 26.12.2023. Last modified 26.12.2023

Extends

# ETRS\_UTM\_1989\_32N

SpatialReference «SpatialReference» in package 'Spatial References'