|  | **Node Hierarchy** | | | |
| --- | --- | --- | --- | --- |
| **Model View Name** | **Root Node M3 Types** | **Intermediate Node M3 Types** | **Hierarchy Driver(s)** | **Schema components that will NOT appear in model view** |
| **Specialization View** | 1. Entity   *(Root entities may be a source or target for any subtype, relationship, or containment associations.)* | 1. Any attribute, containment, or relationship that belongs directly to an entity represented by the parent node. 2. Any entity that is a specialization of an entity represented by the parent node. | 1. The association between an entity and its subtype entity. | 1. Any containment that is not a property of an entity. 2. Any domain values. |
| **Containment View** | 1. Containment   *(Containments that appear as root nodes may or may not also serve as properties of an entity.)* | 1. Any attribute, containment, or relationship that belongs directly to the target entity of a containment represented by the parent node. 2. Any attribute, containment, or relationship that belongs (indirectly through inheritance) to the target entity of a containment represented by the parent node. | 1. The association between a containment and its target entity. | 1. Any entity (Only the entity properties of an entity that is the target of a containment are shown. ) 2. Any domain values. |
| **Root Containment Extended View** | 1. Containment \* 2. Entity ^   ***\**** *Containments that appear as root nodes are only those containments that are not properties of any entity in the schema.*  *^ Entities that appear as root nodes are only those entities that are* ***not*** *targets for a subtype, containment, or relationship anywhere in the schema.* | 1. Any attribute, containment, or relationship that belongs directly to the target entity of a containment represented by the parent node. 2. Any attribute, containment, or relationship that belongs indirectly through inheritance, to the target entity of a containment represented by the parent node. 3. Any entity that is the target of a relationship represented by the parent node. 4. Any entity that is a specialization of an entity represented by the parent node. 5. Any attribute, containment, or relationship that belongs directly to the entity represented by the parent node. 6. Any domain value that belongs to a domain of an attribute represented by the parent node. | 1. The association between a containment and its target entity. 2. The association between a containment and its target entity super-type. 3. The association between a relationship and its target entity. | 1. Entities that are not the target of any relationship but are the target for an attribute, a containment, and/or a subtype 2. The entity properties for an entity node, if the entity properties are already displayed elsewhere in the node path |
| **Complete** | 1. Containment \* 2. Entity ^   *\* Containments that appear as root nodes may be properties of an entity in the schema.*  *^Entities that appear as root nodes may be a target for a subtype, relationship, or containment association.* | 1. Any attribute, containment, or relationship that belongs directly to the entity represented by the parent node. 2. Any attribute, containment, or relationship that belongs directly to the target entity of a containment represented by the parent node. 3. Any attribute, containment, or relationship that belongs indirectly through inheritance, to the target entity of a containment represented by the parent node. 4. Any entity that is a specialization of an entity represented by the parent node. 5. Any entity that is the target of a relationship represented by the parent node. 6. Any domain value that belongs to a domain of an attribute represented by the parent node. | 1. The association between a containment and its target entity. 2. The association between a containment and its target entity super-type. 3. The association between a relationship and its target entity. | 1. The entity properties for an entity node, if the entity properties are already displayed elsewhere in the node path |
| **Domain View** | 1. Domain | 1. Domain Value | Not applicable | 1. M3 components of the type entity, attribute, containment, and relationship do not appear. (Only domains and domain values appear.) |

**Old Model View List**

|  | **Node Hierarchy** | | | |
| --- | --- | --- | --- | --- |
| **Model View Name** | **Root Node M3 Types** | **Intermediate Node M3 Types** | **Hierarchy Driver(s)** | **Schema components that will NOT appear in model view** |
| **OWL** | 1. Entity   *(Root entities may be a source or target for any subtype, relationship, or containment associations.)* | 1. Any attribute, containment, or relationship that belongs directly to an entity represented by the parent node. 2. Any entity that is a specialization of an entity represented by the parent node. | 1. Entity subtype association | 1. Any containment component that is not a property of an entity. |
| **XML** | 1. Containment   *(Root containments may or may not be properties of an entity.)* | 1. Any attribute, containment, or relationship that belongs directly to the target entity of a containment represented by the parent node. 2. Any property (attribute, containment, or relationship) that belongs (indirectly through inheritance) to the target entity of a containment represented by the parent node. | 1. Containment target association | 1. Any Entity component. (Only entity properties of an entity that is the target of a containment are shown. ) |
| **Containing Relationship** | 1. Entity\* 2. Containment\*   *\*(Root nodes are only those entities or containments that are* ***not*** *targets for a subtype, containment, or relationship anywhere in the schema.)* | 1. Any attribute, containment, or relationship that belongs directly to the entity represented by the parent node. 2. Any attribute, containment, or relationship that belongs directly to the target entity of a containment represented by the parent node. 3. Any attribute, containment, or relationship that belongs indirectly through inheritance, to the target entity of a containment represented by the parent node. 4. Any entity that is a specialization of an entity represented by the parent node. 5. Any entity that is the target of a relationship represented by the parent node. | 1. Containment target entity association. 2. Containment target entity super-type association. 3. Relationship target entity | 1. Entity types that are not the target of any relationship but are the target for an attribute, a containment, and/or a subtype. 2. The entity properties for an entity node, if the entity properties are already displayed elsewhere in the node path. |
| **Complete** | *Like OWL except with simple types also displayed as entities.* |  |  | 1. Entity types that are not the target of any relationship but are the target for an attribute, a containment, and/or a subtype. |
| **Mixed** | *Like XML except instead of containments, entities are the roots. No containments are displayed, Sub-nodes can be subtypes and object properties. Very confusing model view!* |  |  |  |
| **GSIP** | *Like OWL except without types displayed for relationship targets, and with domain values displayed.* ***But most importantly, the root node rule is like containing relationship*** |  |  | 1. Any containment component that is not a property of an entity. 2. Entity types that are not the target of any relationship but are the target for an attribute, a containment, and/or a subtype. |
| **Relational** | *Like OWL except with inverse relationship displayed as property of target.* |  |  |  |
| **Domain View** | 1. Domain | 1. Domain Value | Not applicable | 1. Components of type entity, attribute, containment, and relationship do not appear. (Only domains and domain values appear.) |