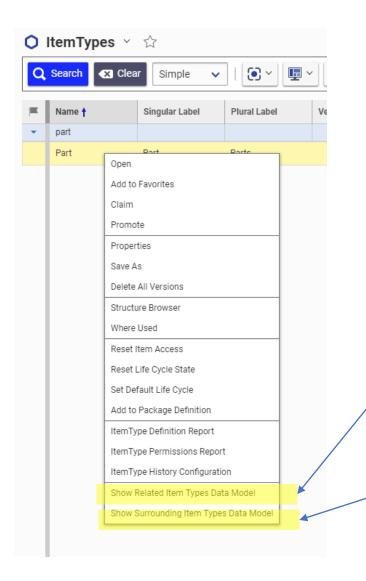
## Innovator Data Model Graph View

#### Overview

#### Purpose:

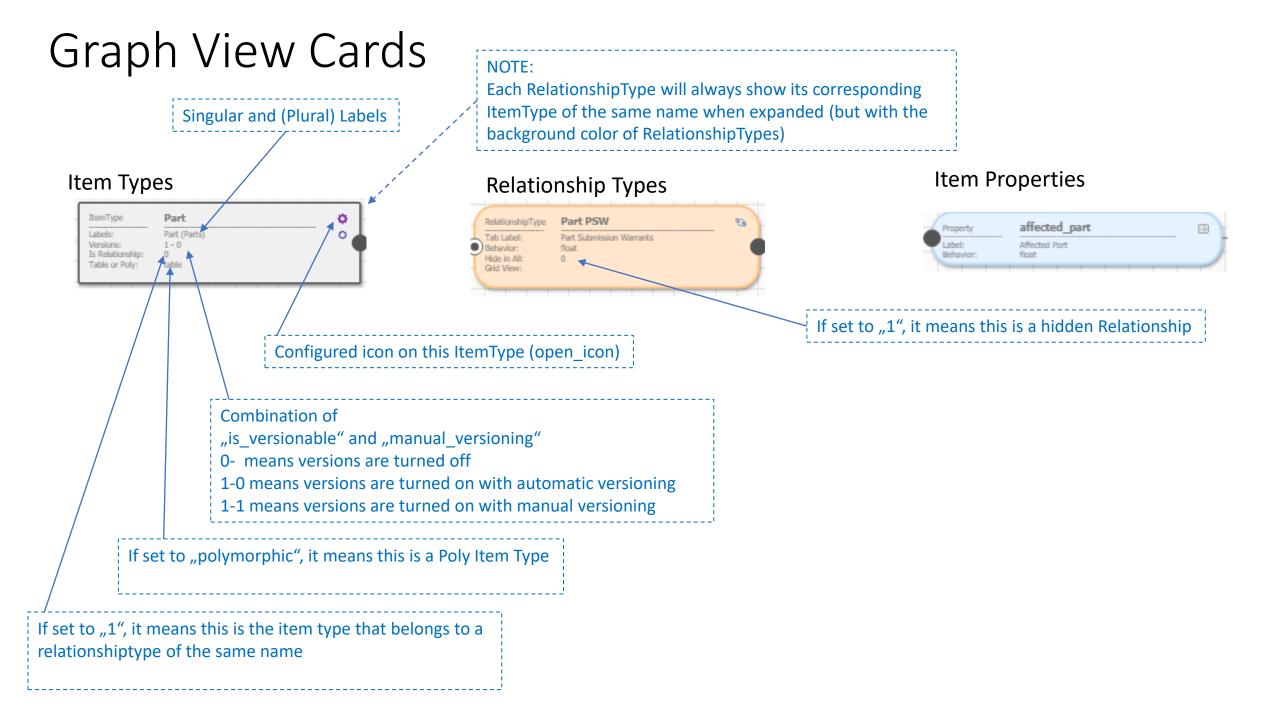
allows Administrators to graphically view the data model of an ItemType with all its Relationships, related Items Types and Item Property links.

- This solution is targeted for Aras Innovator Administrators only.
- 2 new Actions are introduced on Item Type "Item Type".
- Each starts a different Graph View based on a different Query Definition
  - Graph View: "Innovator Data Model Down" will resolve relationships to other Item Types recursively. And it will also resolve all item Property to their target Item Types.
  - Graph View: "Innovator Data Model Surround" (360°) will resolve relationships to other Item Types one level down and one level up (where used). And it will also resolve all item Property to their target Item Types and item Properties pointing to this Item Type with their source Item Types.
- From the Graph View the displayed ItemTypes, Relationships, and Item Properties can be opened using right click action "Open Item".
- If on an ItemType block, another right click action "Open Graph View" allows to start this GraphView again starting with the selected ItemType.



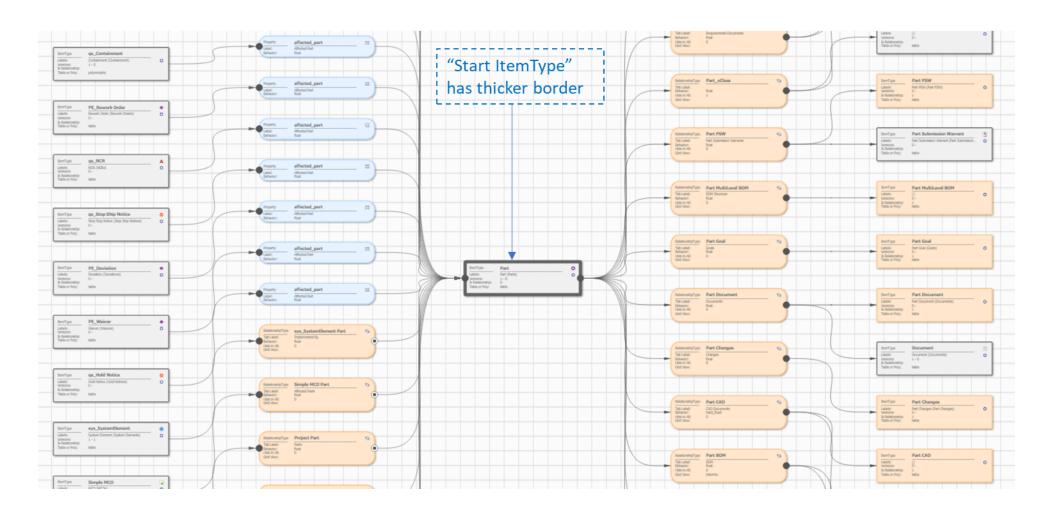
Graph View: "Innovator Data Model Down" will resolve relationships to other Item Types recursively. And it will also resolve all item Property to their target Item Types.

Graph View: "Innovator Data Model Surround" will resolve relationships to other Item Types 1 level down and 1 level up (where used). And it will also resolve all item Property to their target Item Types and item Properties pointing to this Item Type with their source Item Types.



"where used (up)" elements are displayed to the left of the "Start ItemType"

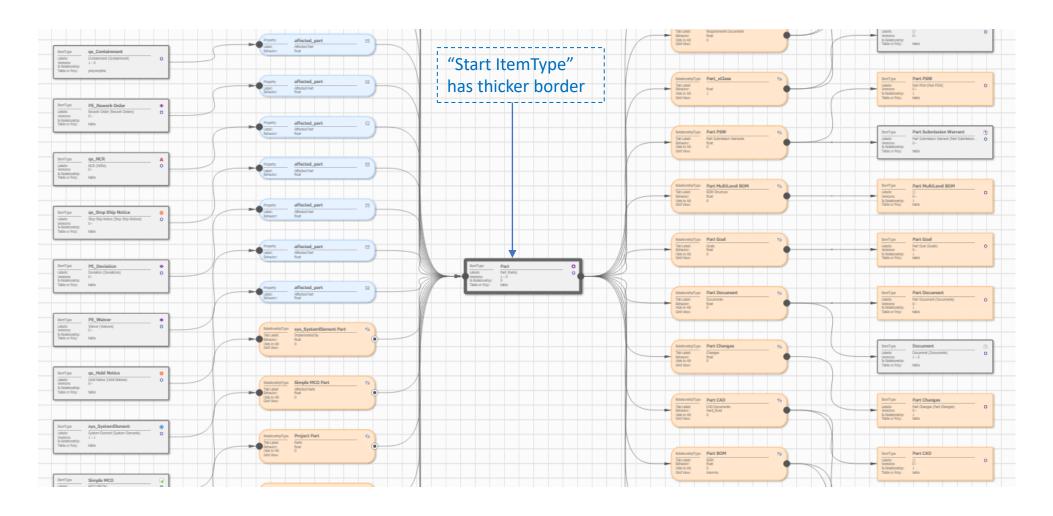
"down" elements are displayed to the right of the "Start ItemType"



#### Where Used – Connectors

"where used (up)" elements are displayed to the left of the "Start ItemType"

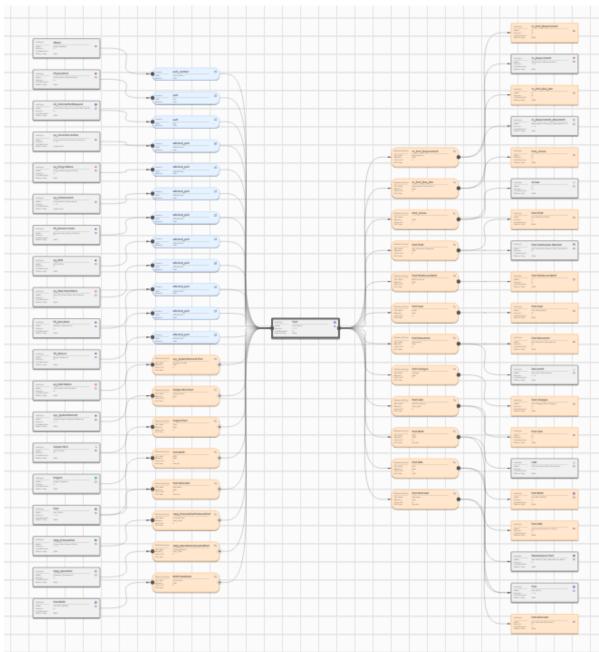
"down" elements are displayed to the right of the "Start ItemType"



#### Sample of "Show Related Item Types Data Model"



#### Sample of "Show Surrounding Item Types Data Model"

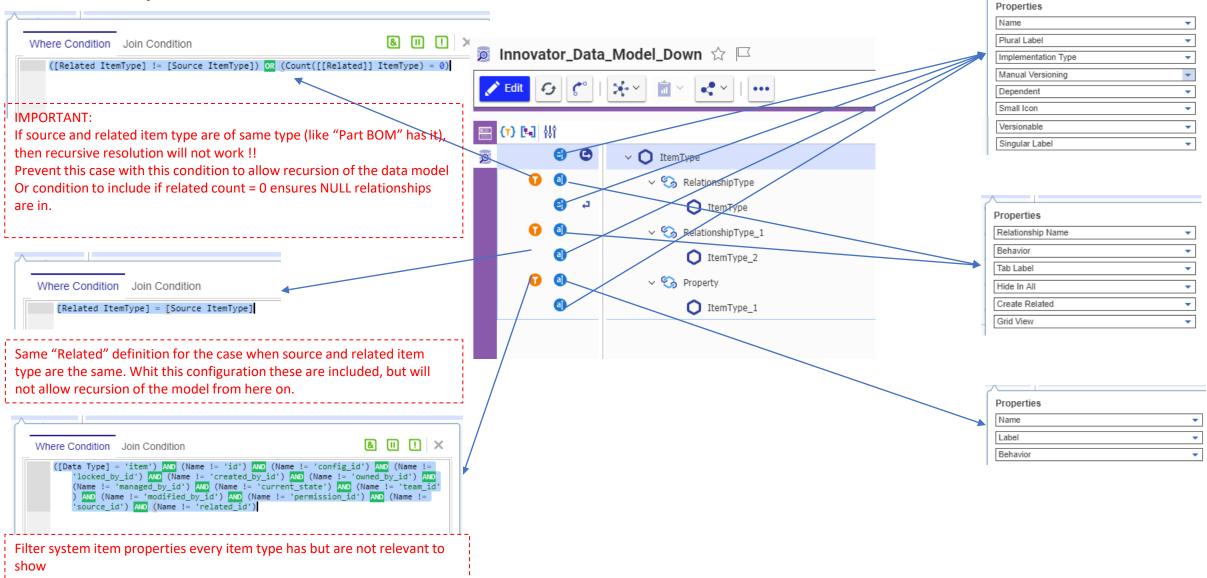


This view will only resolve to 1 level up and 1 level down

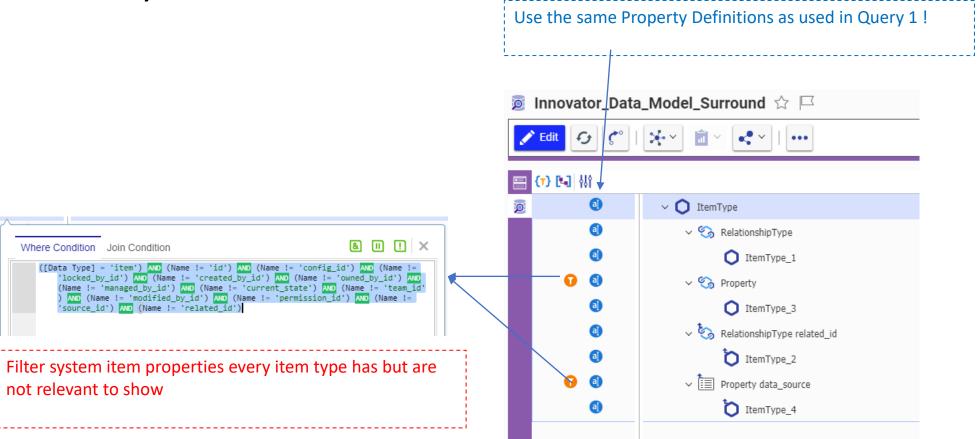
# Innovator Data Model Graph View

**Implementation Details** 

#### Query1 Defintion



#### Query2 Defintion



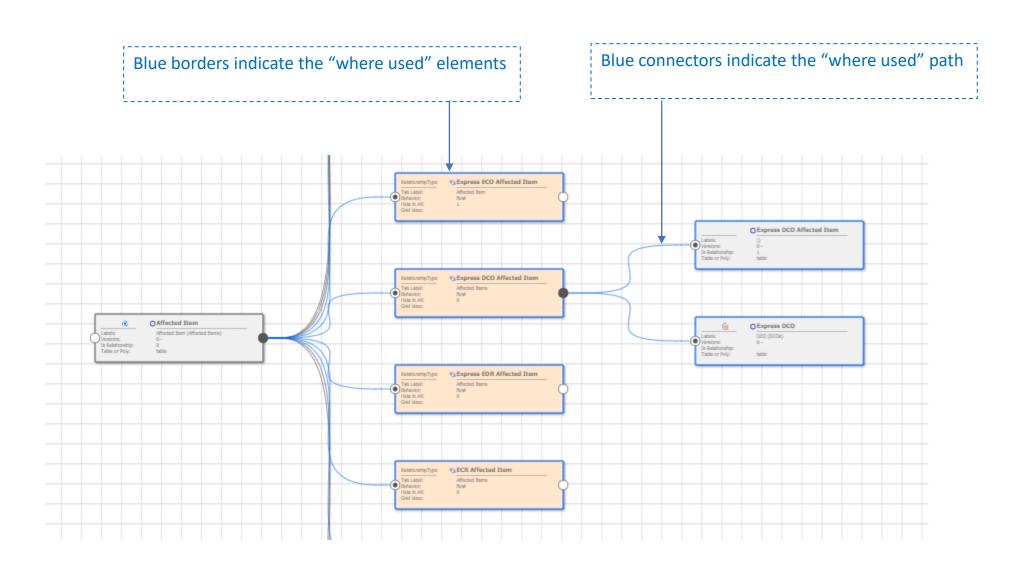
## Backup

Older Version Concepts

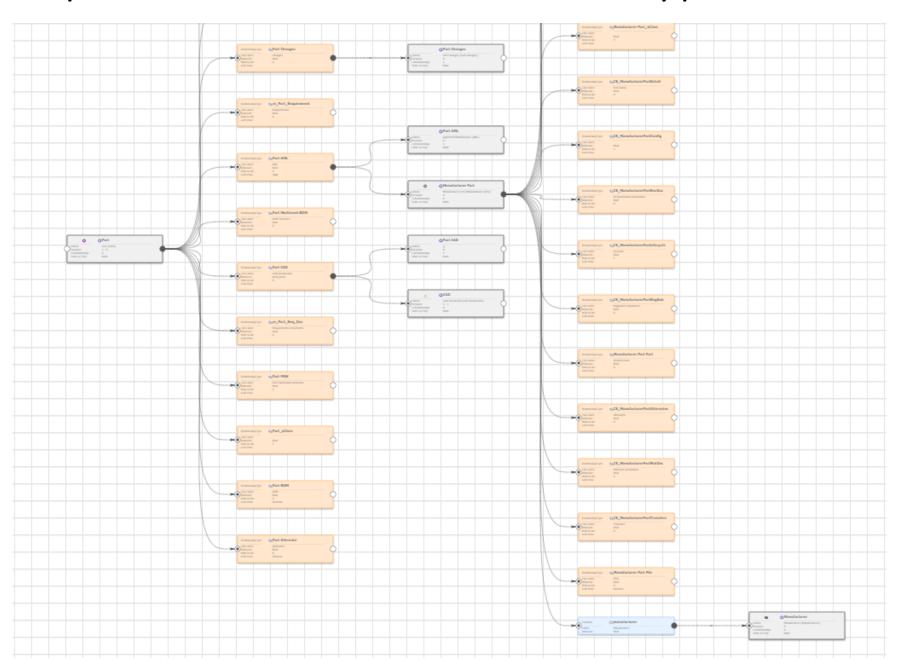
Graph View Cards NOTE: Each RelationshipType will always show its corresponding Singular and (Plural) Labels ItemType of the same name when expanded **Item Properties Item Types Relationship Types** Part AML manufacturer Manufacturer Is Relation Table or Pol table If set to "1", it means this is a hidden Relationship Combination of "is\_versionable" and "manual\_versioning" 0- means versions are turned off 1-0 means versions are turned on with automatic versioning... 1-1 means versions are turned on with If set to "polymorphic", it means this is a Poly Item Type If set to "1", it means this is the item type that belongs to a relationshiptype of the same name Configured icon on this ItemType (open\_icon)

#### Where Used – Connectors and Colors

Graph View: "Innovator Data Model Surround" applies color coding to mark the elements of "where used" (1 level up)



#### Sample of "Show Related Item Types Data Model"



### Sample of "Show Surrounding Item Types Data Model"

