Relationship Item Type

- **Relationship Type -**

Relationship Types define which Item Types are related to one another, and the behaviors of the relationship. Relationship Types have a Source ItemType (the parent), an optional Related ItemType (the child) and a Relationship ItemType.

- **Types Of Relationship Type -**

1. Direct Relationship.
2. Circular Relationship.
3. Null Relationship.

- **Direct Relationship**

– A Direct Relationship Type is the most used pattern and is best described as having a Source ItemType and a Related ItemType.

- **Circular Relationship**

– A Circular Relationship Type simply references itself, such as a standard Innovator Part ItemType. Viewing the Part BOM Relationship Type reveals the Source and Related Item Types are both a Part ItemType. In a Bill of Material (BOM) hierarchy Parts are connected to other Parts through the Part BOM Relationship Type.

- **Null Relationship**

– Null relationships must have at least one visible property or they will fail since they have no related ItemType. The Part ItemType contains a good example of a Null Relationship Type named Part Goal. The Part Goal Relationship Type does not have a Related Item since it only displays properties in the relationship grid.

- **Min & Max Occurs**

– **Min Occur (Minimum Occurrences):** This property specifies the minimum number of occurrences allowed in a relationship. For example, if you set the Min Occur to 1, it means that there must be at least one related item for the relationship to be valid.

- **Max Occur (Maximum Occurrences):** This property specifies the maximum number of occurrences allowed in a relationship. For example, if you set the Max Occur to 5, it means that there can be up to five related items for the relationship to be valid.

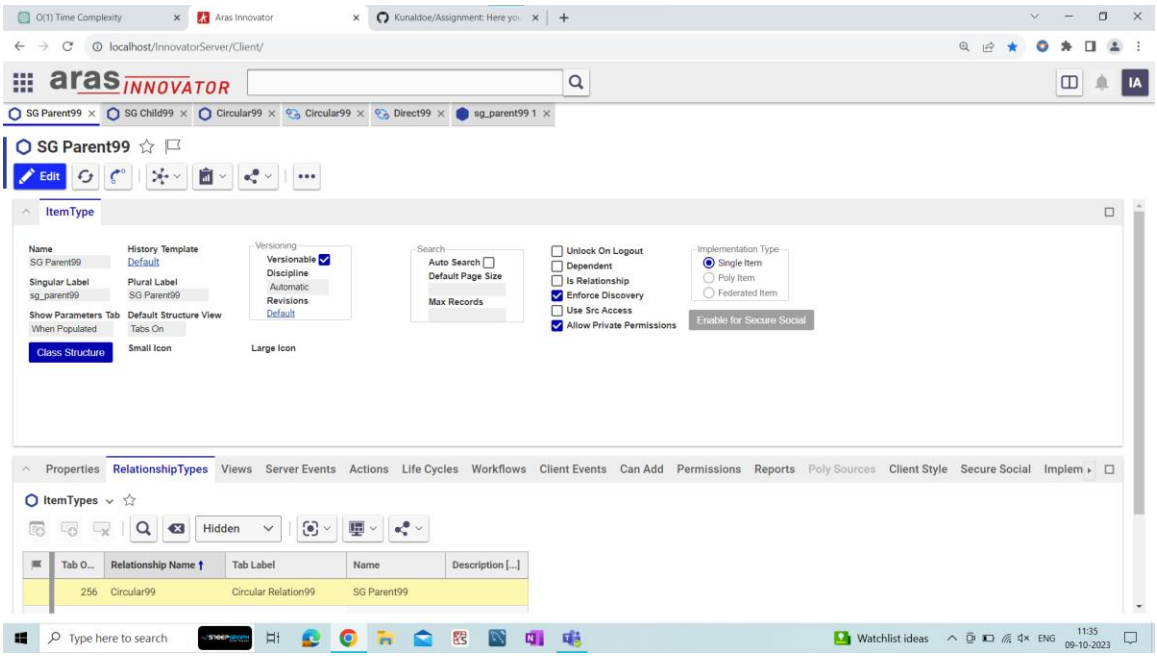
- **Use SRC Access**

- When "Use SRC Access" is enabled: The access permissions (read, write, etc.) defined for the source item in the relationship will also be applied to the target item.
- When "Use SRC Access" is disabled: The target item will have its own separate access permissions, regardless of the permissions set on the source item.

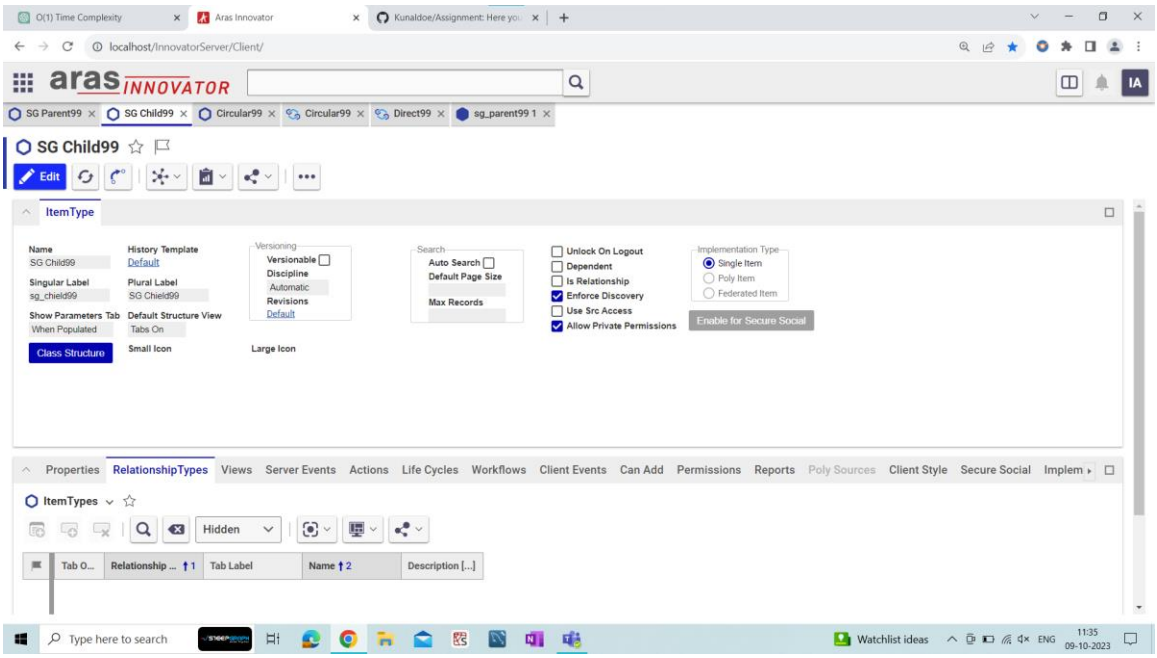
- **Hide In All**

- if "Hide in All" is selected for a particular relationship type, it won't appear in relationship grids for any instances of the specified ItemType. This can be useful in situations where you want to manage relationships in a more controlled or restricted manner, or when you want to hide certain types of relationships from users.

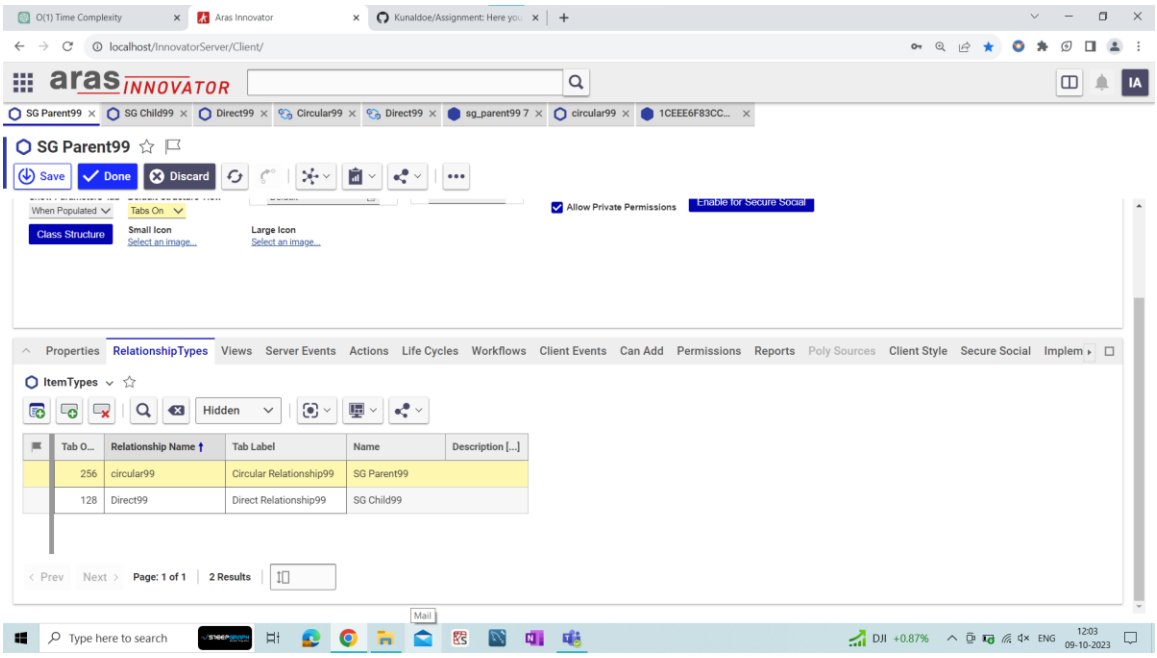
- **Parent Item Type**



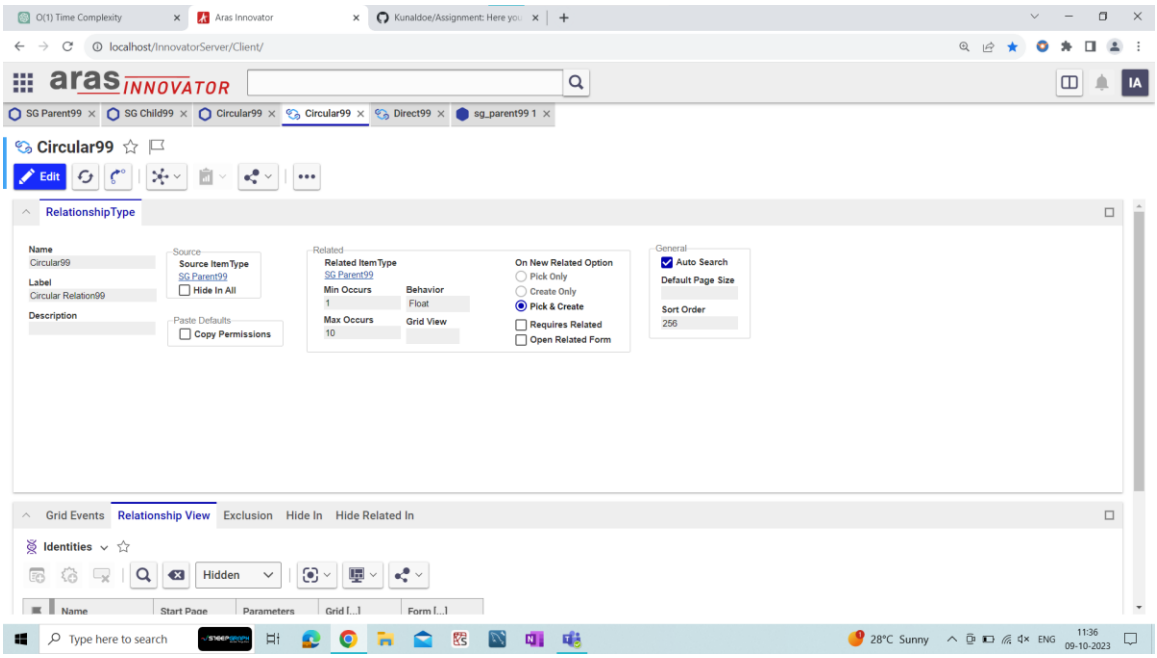
- **Child Item Type**



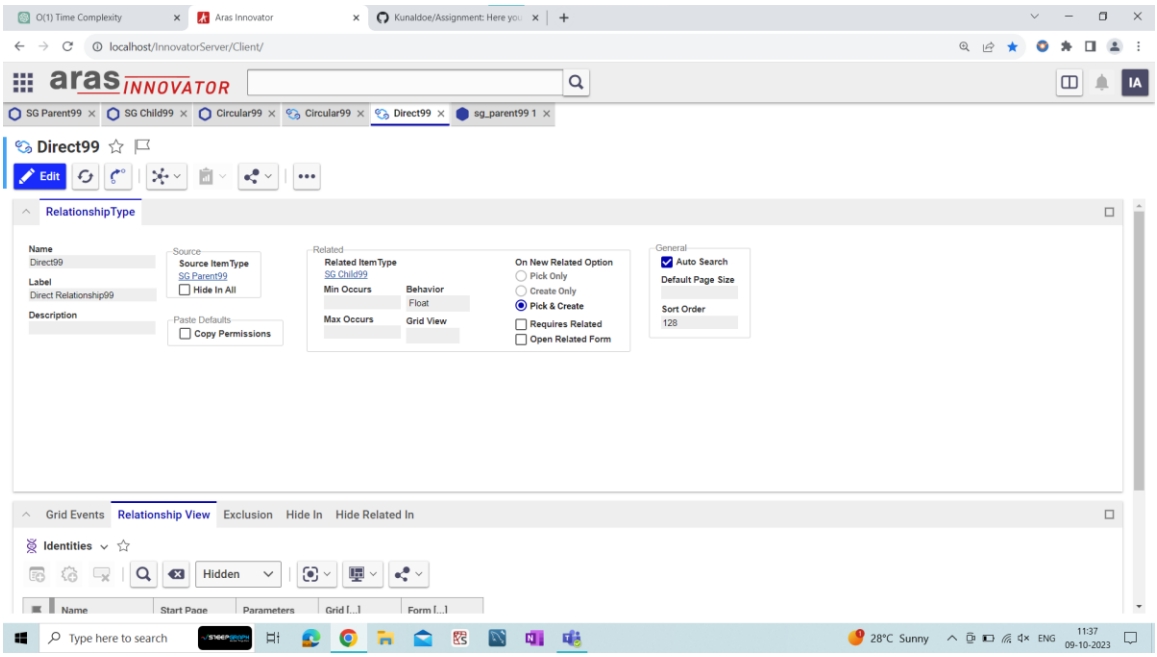
- **In Parent item type give name to the relationship between parent and child item type.**



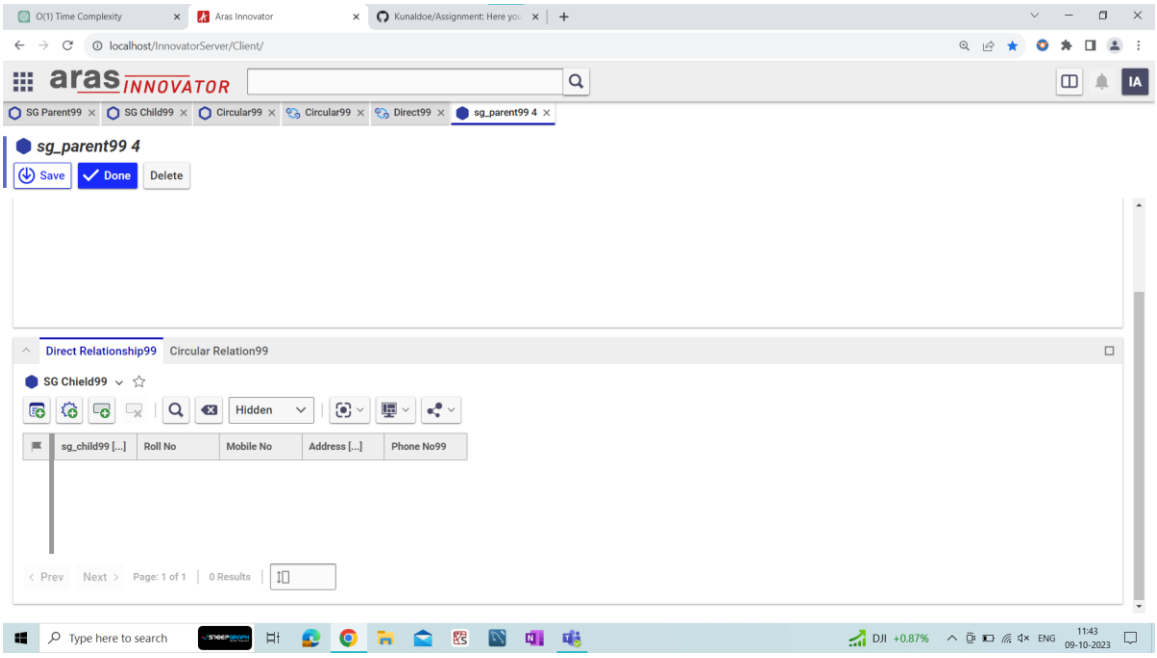
- **Circular Relationship ItemType**



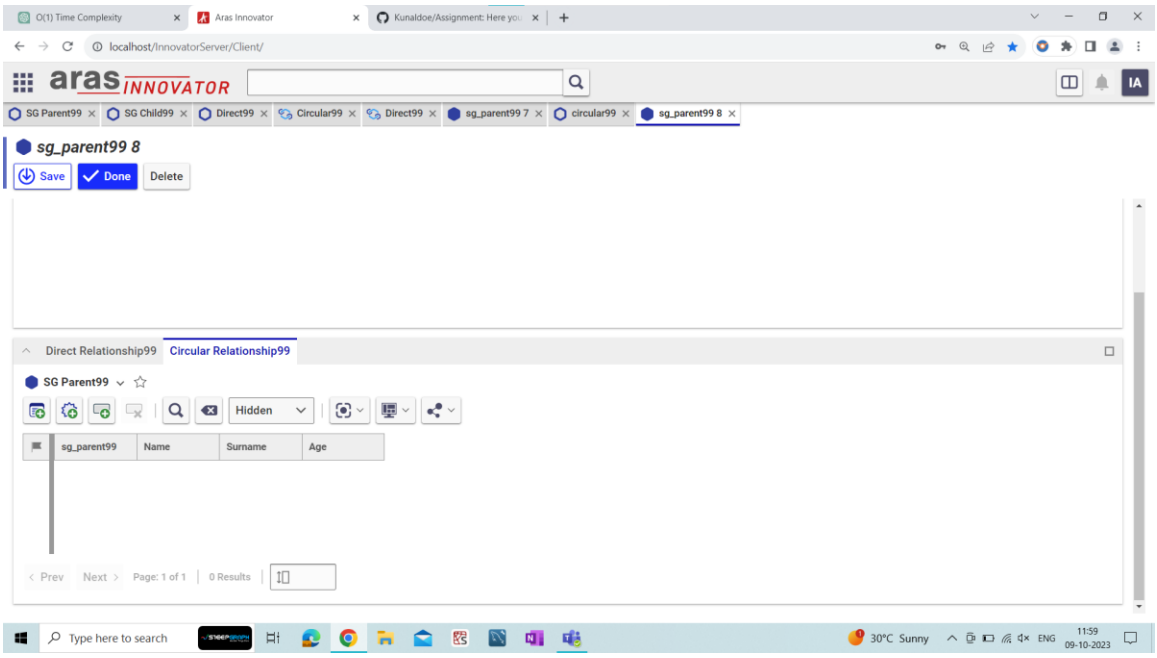
- **Direct Relationship Type**



- **Output Of Direct Relationship**



- **Circular Relationship Output**



- **Min And Max Occurs -**