

# Examples: Linking Object Type Tables

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Object Type tables can be linked to any Role Membership AND Relationship tables.



The screenshots in this section were generated in Power BI. The data displayed to end-users will vary depending on the settings applied and the BI used.

## Linking Object Type tables with Relationship tables

This example looks at the relationship between an Incident object type and the Incident Type object type, via the Primary Incident Type relationship. Read more here: [Object, Relationship, and Role Membership Data](#).

The above article described how in a Relationship table, the sourceid field is linked to the object id where the relationship originated and the destid is the id of the Object where the relationship is going to.

So, your data model will need to be set up as:

- Relationship Tables (public Rel Incident Primary Incident Type Current) **sourceid** field links to the Incident Tables (public Incident Current) id field.
- Relationship Tables (public Rel Incident Primary Incident Type Current) **destid** field links to the Incident Type (public Incident Type Current) id field.

The screenshot shows a data model with three tables: 'public Incident Current', 'public Rel Incident Pri...', and 'public Incident Type ...'. Relationships are shown as lines connecting fields between tables. A 'Manage relationships' dialog box is open, showing the following table:

Active	From: Table (Column)	To: Table (Column)
<input checked="" type="checkbox"/>	public Incident Current (id)	public Rel Incident Primary Incident Type Current (sourceid)
<input checked="" type="checkbox"/>	public Rel Incident Primary Incident Type Current (destid)	public Incident Type Current (id)

*Managing relationships in a data model.*

The example table below created with this data model shows how:

- The Incident Current tables ID field is linked to the Relationship tables via the SourceID

field/column.

- The Relationship tables' DestID field is linked to the related Object via the related Objects' ID table field.

This data modelling allows you to report on an Incident and its related Incident Type data points (such as the Incident Type name below).

Incident Current table and the Name and ID column set to display		Rel Incident Primary Incident Type table with SourceID and DestID set to display		Incident Type Current table with ID and Name columns set to display	
name	id	sourceid	destid	id	name
112   2021-04-15   Health & Safety	1272	1272	543	543	Security Breach
113   2021-12-09	1386				
INC-542: 2021 - Burglary - Forced Entry	1246	1246	559	559	Loss/Theft of Firearm
INC-542: 2021 - Job Action Strike	1262	1262	553	553	Near Miss - Injury
INC-554: 2021 - Health and Disease	1186	1186	549	549	Enforcement/Raid
INC-556: 2021 - Unauthorized Person	1164	1164	545	545	Stolen Property
INC-559: 2021 - Water Leak	1172	1172	549	549	Enforcement/Raid
INC-563: 2021 - Burglary - Attempted	1245	1245	559	559	Loss/Theft of Firearm
INC-565: 2021 - Suspected Counterfeit	1166	1166	558	558	Information Protection
INC-571: 2021 - Security Breach	1183	1183	548	548	Suspected Counterfeit
INC-571: 2021 - Stolen Property	1221	1221	552	552	Near Miss - Damage
INC-573: 2021 - Explosion	1173	1173	549	549	Enforcement/Raid
INC-574: 2021 - Slip and Fall	1258	1258	563	563	Protective Force
INC-577: 2021 - Written \ Verbal Threat	1191	1191	555	555	Failure to Protect Classified Matter
INC-580: 2021 - Sabotage of Property \ Equipment	1254	1254	561	561	Improper Storage of Firearms
INC-590: 2021 - Special Interest Group Demonstration	1263	1263	553	553	Near Miss - Injury
INC-592: 2021 - Elevator Entrapment	1169	1169	547	547	Staff Injury
INC-594: 2021 - Stolen Property	1163	1163	560	560	Loss/Theft of Armored Vehicle
INC-596: 2021 - Wild Fire	1178	1178	546	546	Unauthorized Person

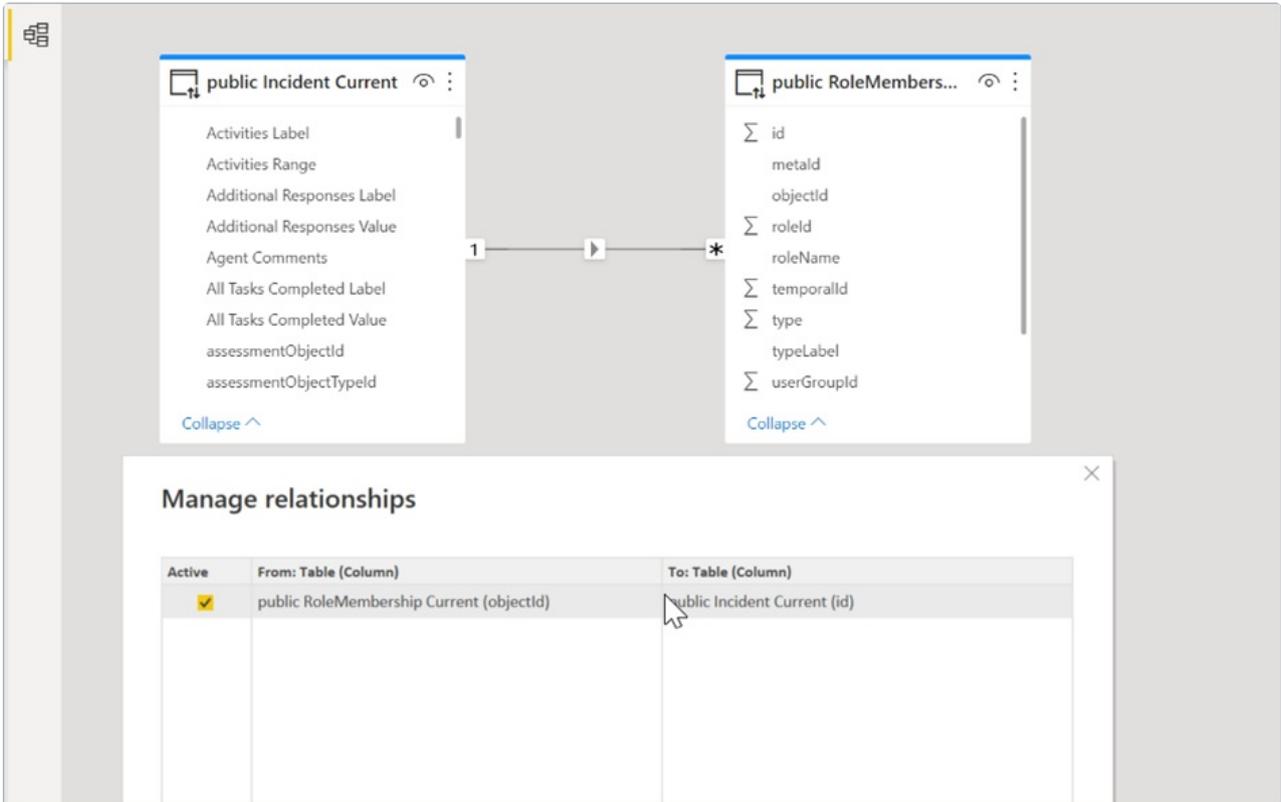
*Linking Object Type tables with Relationship tables.*

## Linking Object Type tables with RoleMembership tables

The example table below created with this data model shows the relationship between the Incident Object Type and the RoleMembership Table.



In a RoleMembership table, the objectid field is same as the Object id. Therefore, you must set up your data model, so the Object Type Tables id Field links to the RoleMembership Tables objectid Field.



Data model with the Object Type Tables id field linking to RoleMembership tables' ObjectId field.

The example table below created with this data model shows the Incident Current tables ID field linked to the RoleMembership tables via the objectId field/column.

This data modelling allows you to pull through an Incidents RoleMembership data points (such as the below example Incident Owner and/or any other Incident or RoleMembership data points).

Incident Table and the Name, id and Workflow state column set to display			Rolemembership Table and the objectId, userOrUserGroupName and roleName columns set to display		
id	name	workflowState Label	objectId	userOrUserGroupName	roleName
624	INC-995: 2021-001 Bruised Foot from forklift operation	Open	624	DWH Test Guy	Incident Owner
735	112   2021-04-15   Health & Safety	Triage	735	DWH Test Guy	Incident Owner

Data model with the Incident RoleMembership data points.