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SID Methodology Lab

2. Identify Part 1

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# Lab Overview

Learn how to transform your relational data model into a NoSQL architecture that the Adobe Experience Platform’s Real-Time Customer Profile can leverage. Follow the SID methodology steps of sort, identify, and de-normalization.

# Learning Objectives

**What should you walk away with after taking this Lab?**

* Identify bridge entities (Many to Many)
* Identify relationships between entities (One to Many, Many to One)

# Lab Tasks

Identify

* + Bridge entities(M:M)
  + One to Many Relationships (1:M)
  + Many to One Relationships (M:1)

**DEMO: Reference Demo Data model  - Answer Key**

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# 2. Identify

## Part 1: Identify Schemas for De-normalization

***How to read and mark relationships***

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**Use the two below entity relationship diagrams (Connection 5G data warehouse & connection 5G streaming payload) to do the following:**

1. Identify Bridge/1:M/M:1 for Individual Profile – Traits

* **Identify** all entities directly related to (one hop away from) the individual profile- trait entities that do not yet have a label. Mark them with a star. Of all the starred entities, mark them as:
  + **(B) Bridge –** an entity is a bridge entity if it is on the many side of two 1:M relationships.
    - **Mark** the non-profile side of the Bridge entity as Lookup **"L"** (If not marked already)
  + **(1:M) –** an entity is a 1:M if it has cardinality with profile of 1:M and is not already marked
  + **(M:1)** **–** an entity is a M:1 if it has cardinality with profile of M:1 and is not already marked

1. Identify Bridge/1:M/M:1 for Experience Events - Behavior

* **Identify** all entities directly related to (one hop away from) the Experience Event- behavior entities that do not yet have a label. Mark them with a star. Of all the starred entities, mark them as:
  + **(B) Bridge –** an entity is a bridge entity if it is on the many side of two 1:M relationships.
    - **Mark** the non-behavior side of the Bridge entity as Lookup **"L"** (If not marked already)
  + **(1:M) –** an entity is a 1:M if it has cardinality with Behavior of 1:M and is not already marked
  + **(M:1)** **–** an entity is a M:1 if it has cardinality with Behavior of M:1 and is not already marked

1. Identify Bridge/1:M/M:1 for Lookups

* **Identify** all entities directly related to (one hop away from) the lookup entities that do not yet have a label. Mark them with a star. Of all the starred entities, mark them as:
  + **(B) Bridge –** an entity is a bridge entity if it is on the many side of two 1:M relationships.
    - **Mark** the non-lookup side of the Bridge entity as Lookup **"M:1"** (If not marked already)
  + **(1:M) –** an entity is a 1:M if it has cardinality with Lookup of 1:M and is not already marked
  + **(M:1)** **–** an entity is a M:1 if it has cardinality with Lookup of M:1 and is not already marked

|  |  |
| --- | --- |
| Tip | Order is very important here! Make sure you’re following the steps in order as each step is dependent on the previous |

**LAB: Connection 5G Data Warehouse ERD:**

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**LAB: Connection 5G Streaming Payload ERD:**

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