1. Sometimes, you have data in different maps which are closely related.
2. **For Example**:
   1. A customer and all possible transactions.
   2. Customer data is in Customer IMap whereas Transactions data is in Transaction IMap.
3. It is possible to write code to access these maps independently & pull related data together.  
   However, it can mean multiple network hits to try and retrieve the data & sometimes be inefficient depending on the requirements of your app.  
   Hazelcast provides some mechanism to try and improve performance by keeping related data together in a single partition so that the related data can be easily retrieved with the fewest network hits.  
   We call it **Data Affinity.  
     
   Earlier situation when related data is in the same partition and same machine**.  
   Diagram

   Description automatically generated with medium confidence  
     
   **After putting the related data in a single partition**.  
   Diagram

   Description automatically generated with medium confidence
4. Let’s look at an example of that.
5. Let’s take an example of Customer having one or more addresses 🡺 Home and work addresses.
   1. So, basically, we want to retrieve an overview of a customer using **Single Entry Processor**.
   2. Graphical user interface, text, application

      Description automatically generated