

# How to Perform SQL Select on a DataSet

**Source:**

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I am in the process of making a desktop version of an enterprise product. In doing so, there are many options that are stored in different tables in a database. These values are different depending on the installation. I have re-created the database tables necessary into XML files and store them on disk.

I would like to take advantage of the current code that I have. Currently, I perform select statements on the database to return a dataset.

I would like to perform the same select statement on the DataSet in order to return the "same data" to the upper layers.

For instance, if I had 3 database tables (now DataTables in a DataSet)

```
+-----+ +-----+ +-----+
| Cust | | Addr | | Ord |
+-----+ +-----+ +-----+
| cid | | aid | | oid |
| name | | cid | | cid |
| | | city | | qty |
+-----+ +-----+ +-----+
```

I would like to perform the following select

```
select cust.name, addr.city, ord.oid, ord.qty
from
  cust, addr, ord
where
  cust.cid = addr.cid,
  cust.cid = order.cid
order by
  cust.name,
  ord.oid
```

The amount of data in the dataset will be reasonably small since it is configuration data.

Is there an easy way to query the DataSet Tables to produce a DataSet that is equivalent to the DataSet when querying a database.

Thanks,  
Dave