# **Cube Development II**

Fine-tuning cube design

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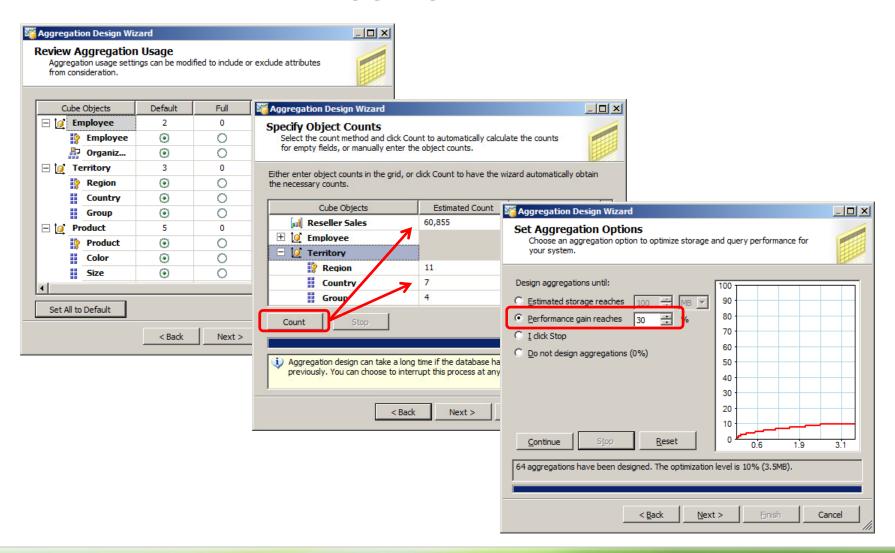


### **Overview**

- Aggregations
- Perspectives
- Translations



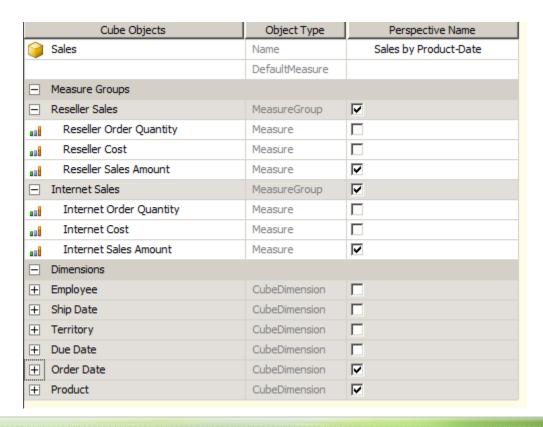
## **Aggregations**





### **Perspectives**

- Simplify the cube for users who work with subset of cube only
- Do not use as a security measure



Select the items to include:

Dimensions

Attributes

Hierarchies

Measure groups

Measures

**KPIs** 

Calculations

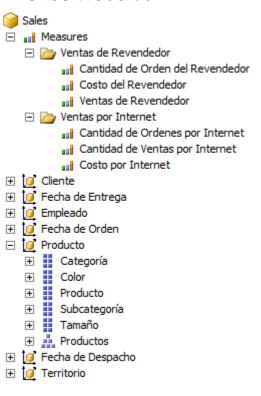


### **Translations**

#### Add captions

Default Language	Obje	Spanish (Spain)
Sales	Cap	
Measure Groups		
Reseller Sales	Cap	Ventas de Revendedor
Reseller Order Quantity	Cap	Cantidad de Orden del Revendedor
Reseller Cost	Cap	Costo del Revendedor
Reseller Sales Amount	Cap	Ventas de Revendedor
Internet Sales	Cap	Ventas por Internet
Internet Order Quantity	Cap	Cantidad de Ordenes por Internet
Internet Cost	Cap	Costo por Internet
Internet Sales Amount	Cap	Cantidad de Ventas por Internet
Dimensions		
Employee	Cap	Empleado
Ship Date	Cap	Fecha de Despacho
Territory	Cap	Territorio
Due Date	Cap	Fecha de Entrega
Order Date	Cap	Fecha de Orden
Product	Cap	Producto
Customer	Cap	Cliente
Perspectives		
Sales by Product-Date	Cap	Ventas par Producto-Fecha
	Sales  Measure Groups  Reseller Sales  Reseller Order Quantity  Reseller Cost  Reseller Sales Amount  Internet Sales  Internet Order Quantity  Internet Cost  Internet Sales Amount  Dimensions  Employee  Ship Date  Territory  Due Date  Order Date  Product  Customer  Perspectives	Sales Cap  Measure Groups  Reseller Sales Cap  Reseller Order Quantity Cap  Reseller Cost Cap  Reseller Sales Amount Cap  Internet Sales Cap  Internet Order Quantity Cap  Internet Order Quantity Cap  Internet Sales Amount Cap  Order Date Cap  Order Date Cap  Order Date Cap  Product Cap  Customer Cap  Perspectives

#### Check results





### **Cube Development Tasks**

- Use the Cube Browser to check measures in each measure group
- Check labels and formatting of measures
- Slice by each dimension hierarchy
- Verify grand totals
- Adjust dimension usage if necessary
- Design aggregations
- Add perspectives and translations as needed



### **Summary**

- Aggregations
  - Pre-calculated summary values for selected attributes
- Perspectives
  - Subset of cube to simplify interface for users
- Translations
  - Provide alternate captions based on user's regional settings



### References

- Aggregations and Aggregation Designs
  - http://msdn.microsoft.com/en-us/library/ms174758(v=SQL.105).aspx
- Perspectives
  - http://msdn.microsoft.com/en-us/library/ms175338.aspx
- Cube Translations
  - http://msdn.microsoft.com/en-us/library/ms174798(v=SQL.105).aspx

