Dimension Development I

Adding dimensions to the Analysis Services database

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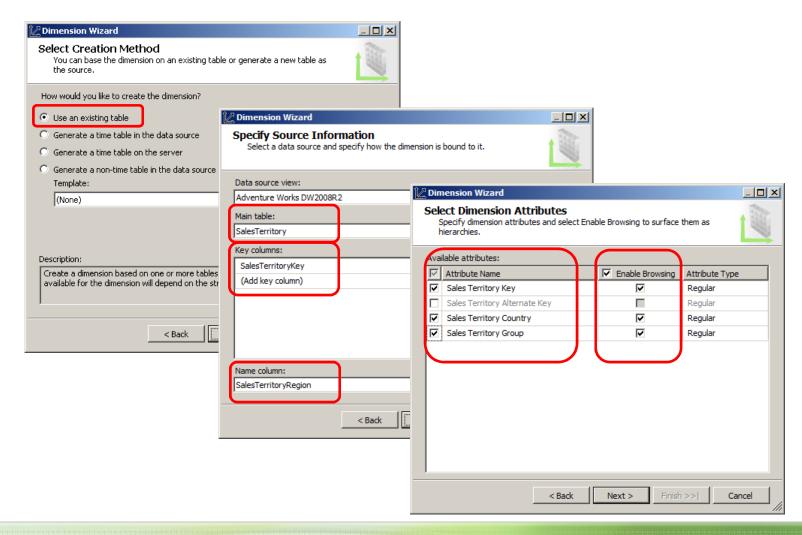
Overview

- **Dimension Wizard**
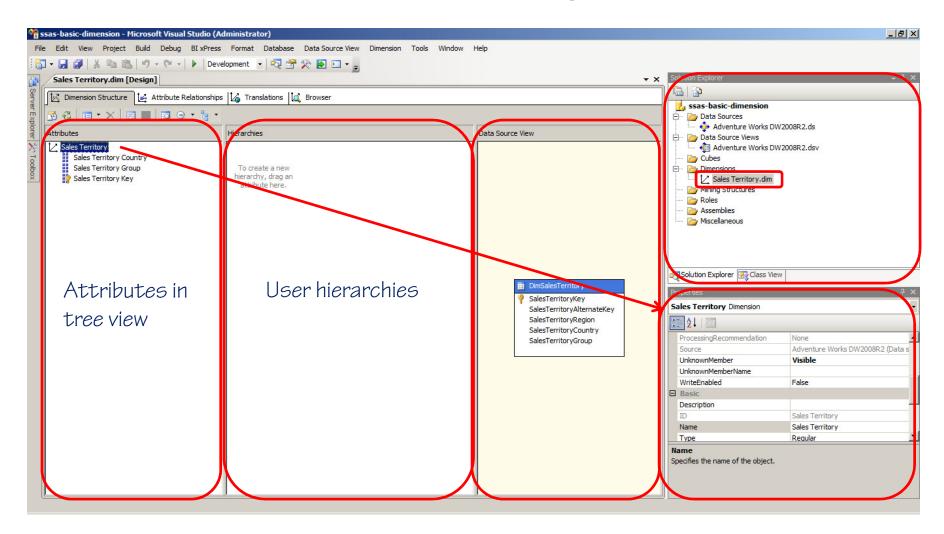- **Dimension Designer**
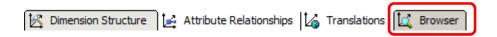- **Attributes**
- **Unknown Member**
- **Attribute Properties**

Dimension Wizard

Dimension Designer

Attributes

Dimension Structure | Attribute Relationships | Translations | Browser

Sales Territory Region

select distinct SalesTerritoryKey, SalesTerritoryRegion from DimSalesTerritory

	SalesTerritoryKey	SalesTerritoryRegion
1	1	Northwest
2	2	Northeast
3	3	Central
4	4	Southwest
5	5	Southeast
6	6	Canada
7	7	France
8	8	Germany
9	9	Australia
10	10	United Kingdom
11	11	NA

Members

Distinct values

Member names

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see what you can learn

Attributes

Sales Territory Country

- All
  - Australia
  - Canada
  - France
  - Germany
  - NA
  - United Kingdom
  - United States
  - Unknown

Sales Territory Group

- All
  - Europe
  - NA
  - North America
  - Pacific
  - Unknown

```sql
select distinct SalesTerritoryCountry from DimSalesTerritory
```

	SalesTerritoryCountry
1	Australia
2	Canada
3	France
4	Germany
5	NA
6	United Kingdom
7	United States

```sql
select distinct SalesTerritoryGroup from DimSalesTerritory
```

	SalesTerritoryGroup
1	Europe
2	NA
3	North America
4	Pacific

The Unknown Member

Sales Territory Region

- All
  - Northwest
  - Northeast
  - Central
  - Southwest
  - Southeast
  - Canada
  - France
  - Germany
  - Australia
  - United Kingdom
  - NA
  - **Unknown**

Sales Territory Country

- All
  - Australia
  - Canada
  - France
  - Germany
  - NA
  - United Kingdom
  - United States
  - **Unknown**

Sales Territory Group

- All
  - Europe
  - NA
  - North America
  - Pacific
  - **Unknown**

Properties

Sales Territory Dimension

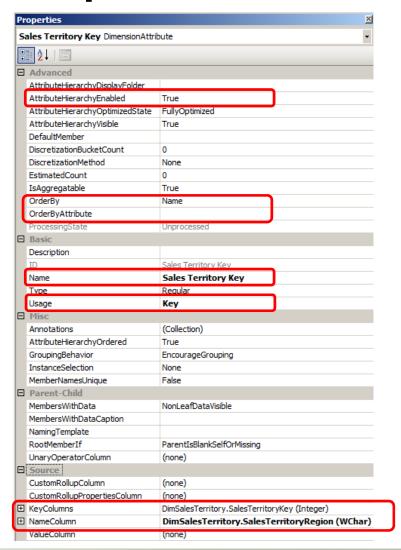| UnknownMember	Visible
UnknownMemberName	

Visible
Hidden
None
AutomaticNull

Basic Attribute Properties

- **Update the key column and name column**

- **Rename the attribute**

- **Define sort order**

- **Disable browsing**

- **Review usage**

Summary

- **Dimension Wizard**
  - Standard dimension, time dimension
- **Dimension Designer**
  - Interface for designing attributes and hierarchies, access to properties
- **Attributes**
  - Table columns
- **Unknown Member**
  - Placeholder for fact records with invalid dimension key
- **Attribute Properties**
  - Key column, name column, name, sort order, disabled browsing, usage

References

- **Creating a New Dimension Using the Dimension Wizard**
  - http://msdn.microsoft.com/en-us/library/ms365388.aspx
- **Defining Dimension Attributes**
  - http://msdn.microsoft.com/en-us/library/ms174919.aspx