

# Designing The Target Structure

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- Unit 3 Chap 5

# Dimensional Model

- Dimensional models provide the end user with a flattened structure of easily queried tables that he or she can understand from business point of view.
- Satisfies the needs of business user.

“how many gizmos did I sell last month in all the stores in the south and how does that compare to how many I sold in the same month last year ?”

# Cube & Dimensions

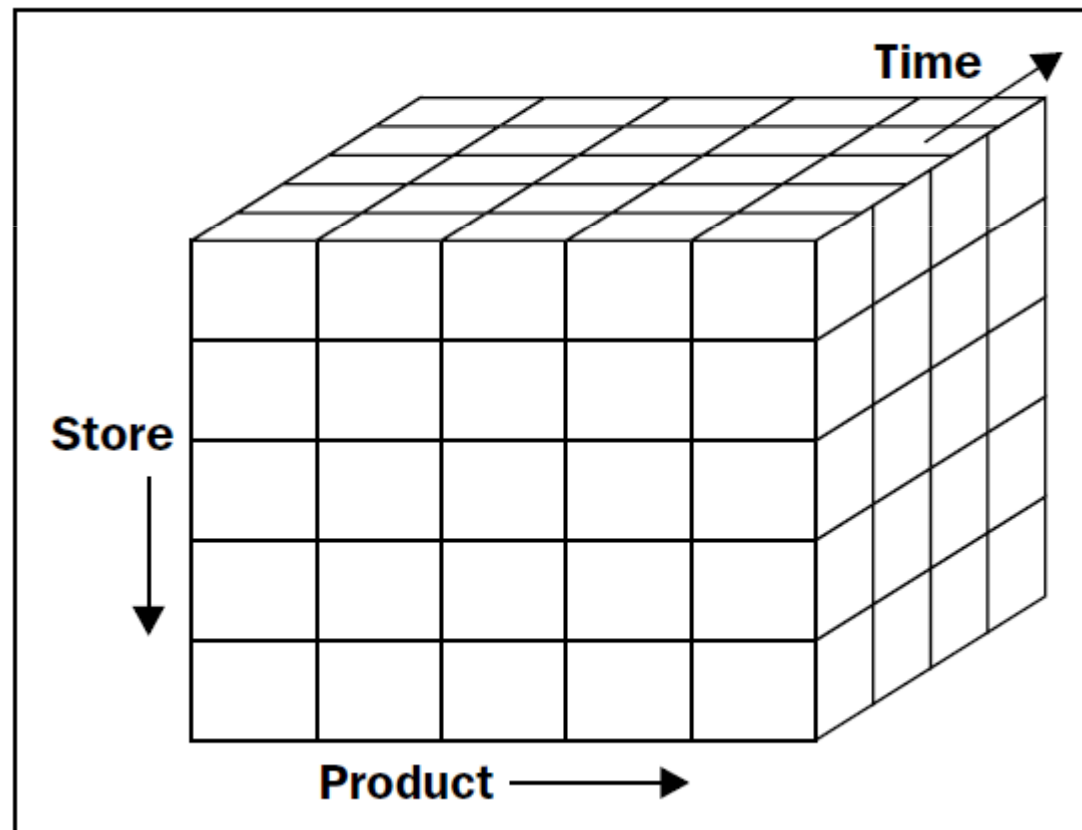
- For the ACME & Gizmos organization:

The dimensions become the business characteristic about the sales

Dimensions are edges of a cube & the intersection of the dimension as the measure used for a particular combination of time, store & product

- A time dimension – users can look back in time and check various times periods
- A store Dimension – information can be retrieved by store and location
- A product Dimension – various products for sale can be broken up

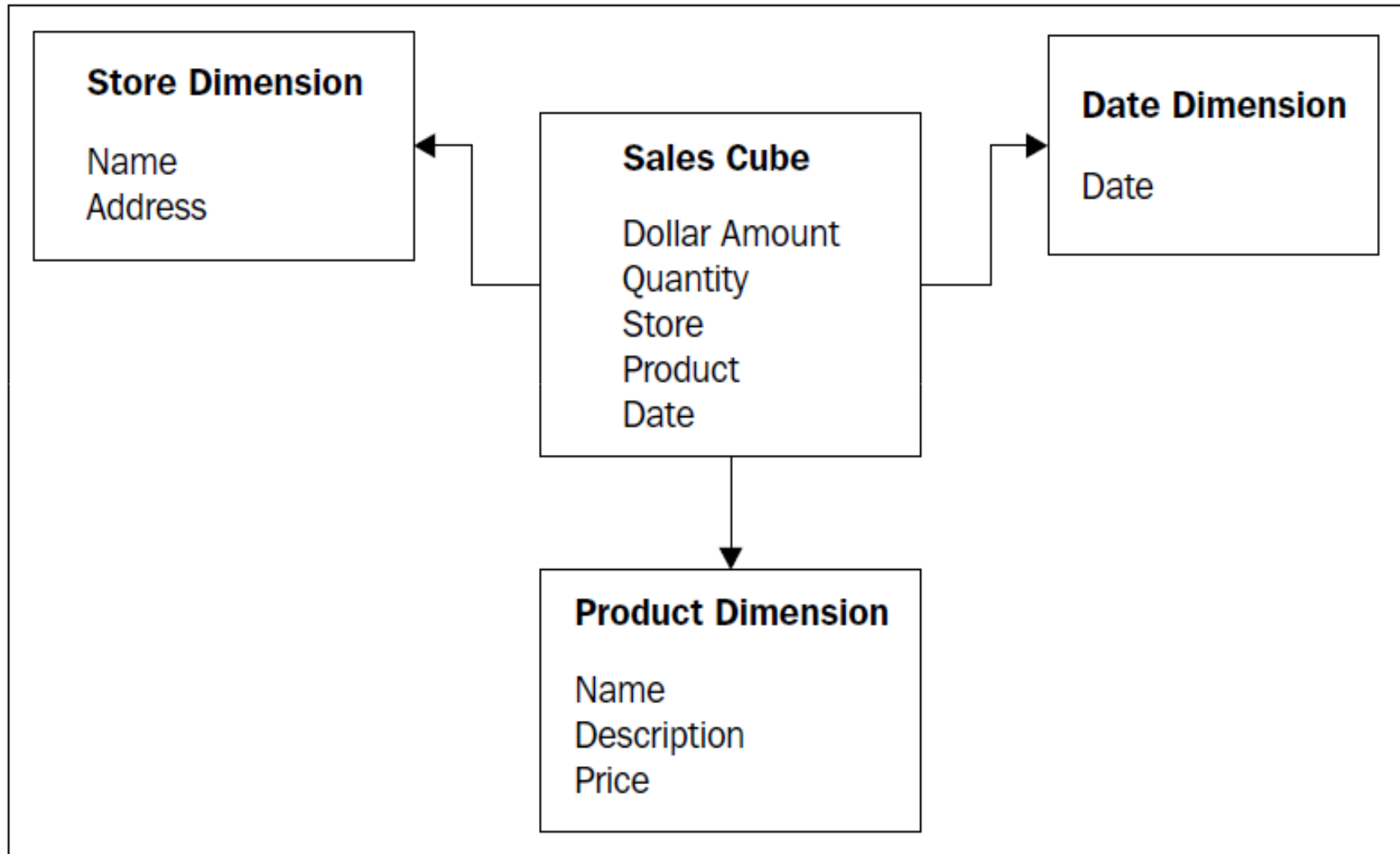
# Cube & Dimensions



# Implementation of Dimensional Model in Database

- 2 options to implement dimensional model in database:
  - Relational implementation
  - Multidimensional implementation

# Designing The Acme Data Warehouse



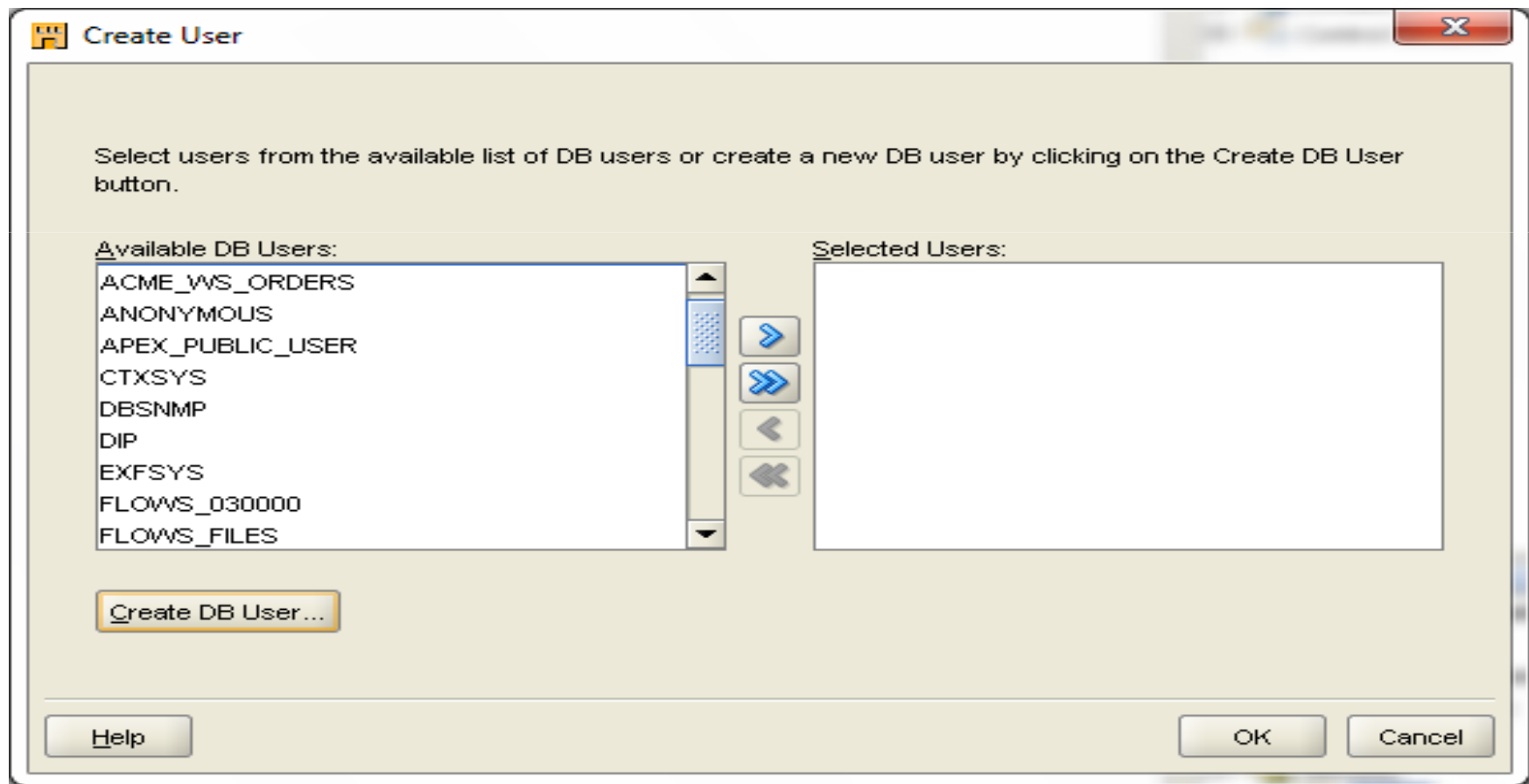
# Data Warehouse Design in OWB



# Introduction

- OWB currently supports the target schema only in oracle .
- Create a target user
  - Navigate to users sub-node under security node in global explorer window
  - Right click on users & select new
  - Create user dialog appears
- Create a new module to hold the target structure in the project explorer window.
  - Navigate to Oracle under Databases node
  - Right click, select new to create the target module

# Creation on Target User



**Create Database User**

Specify user name and password with DBA privilege:

DBA name:

DBA password:

Provide information to create the new DB user:

Name:

Password:

Confirm Password:

Table Space:

Default:

Temporary:

# Create User

Select users from the available list of DB users or create a new DB user by clicking on the Create DB User button.

Available DB Users:

- ACME\_WS\_ORDERS
- ANONYMOUS
- APEX\_PUBLIC\_USER
- CTXSYS
- DBSNMP
- DIP
- EXFSYS
- FLAWS\_030000
- FLAWS\_FILES

Selected Users:

- ACME\_DWH

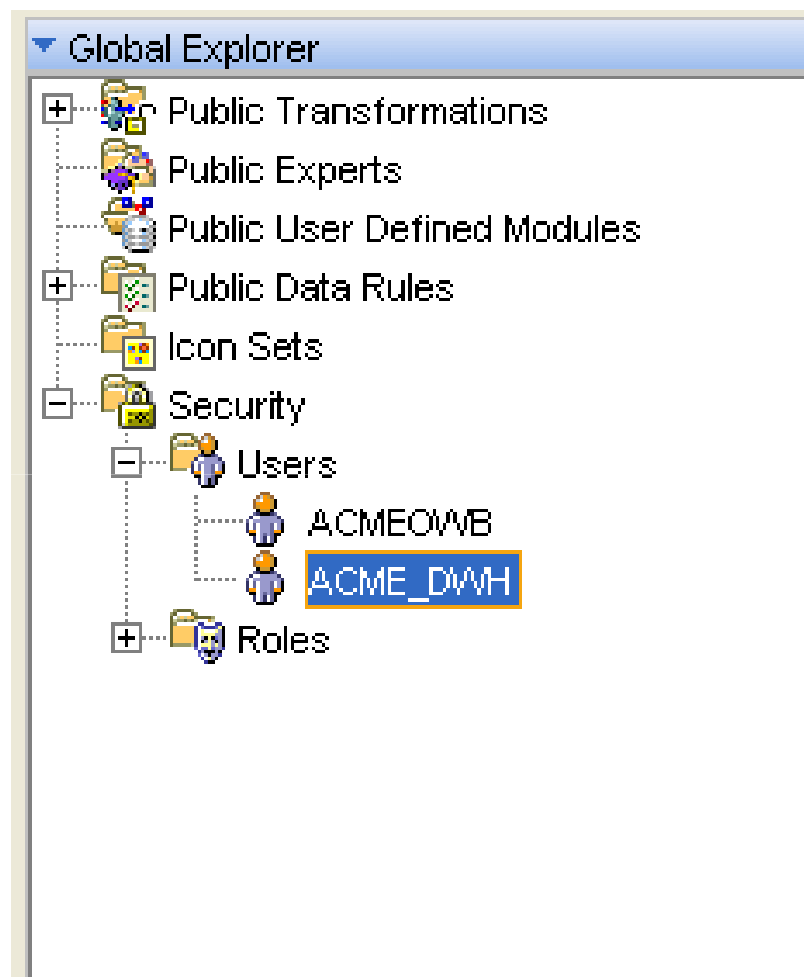


Create DB User...

Help

OK

Cancel



# Creation of Target Module

Create Module - Step 1 of 2: Name and Description

Name:  
ACME\_DWH

Select the module status:  
Development

Identify the module type:  
 Data Source  
 Warehouse Target

Description:  
Module to hold the target structures

Help < Back Next > Finish Cancel

Edit Oracle Database Location: ACME\_DWH\_LOCATION1



Name: ACME\_DWH\_LOCATION

Description:

Type: HOST:PORT:SERVICE

User Name: ACME\_DWH

Password: \*\*\*\*\*

Host: localhost

Port: 1521

Service Name: ACMEDWH

Use Global Name:

Schema: ACME\_DWH

Browse...

Version: 11.1

Test Connection

Test Results: Successful

Help

OK

Cancel



## Module definition is complete

When you click Finish, the wizard will create the object with the following settings:

[-] Name	
Name	ACME_DWH
Status	Development
[-] Data Source	
Application Type	Oracle Warehouse Application
System Type	Oracle Database 8i/9i/10g/11g
Integrator	OracleBI Warehouse Builder Integrator
[-] Deployment Location	
Deployment Location	ACME_DWH_LOCATION



Help

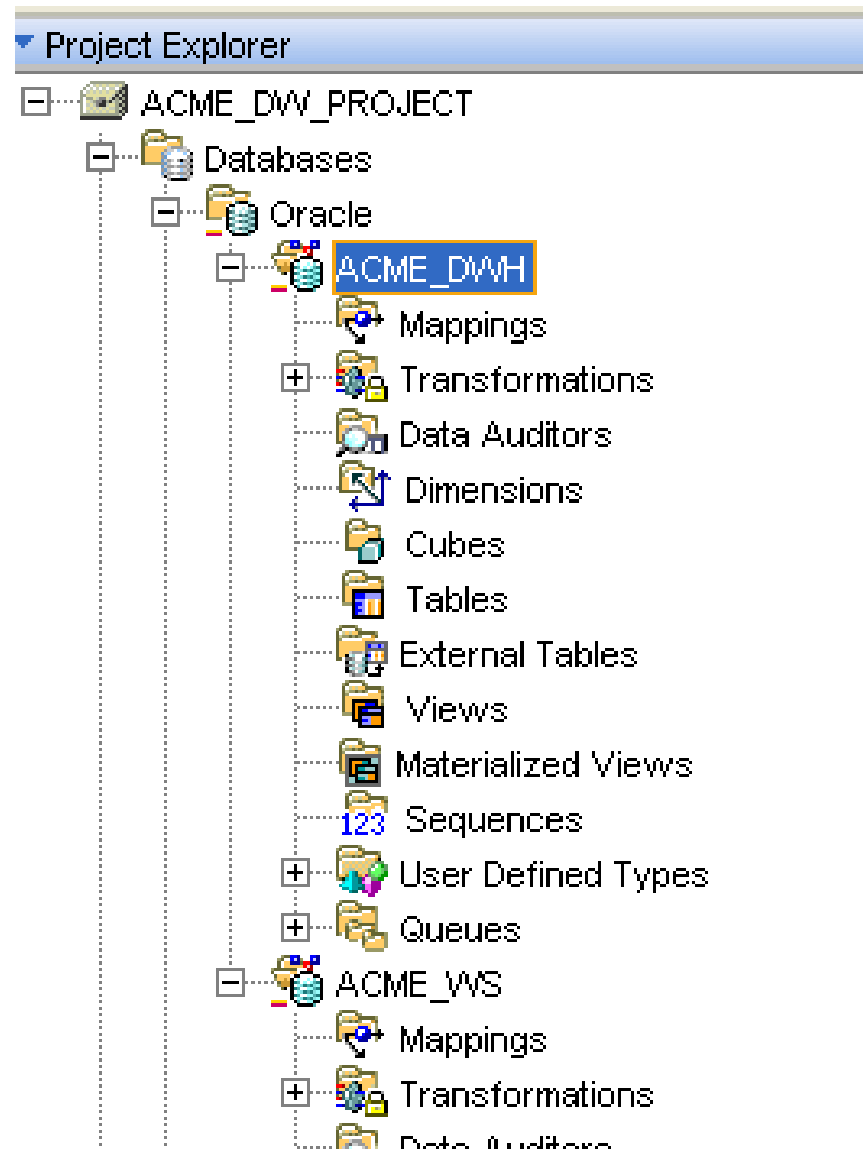
< Back

Next >

Finish

Cancel





The End