

Part 2 – Working with Object-Relational Mapping

Part 2 - Working with Object-Relational Mapping

Welcome to the Smart Development Environment for Visual Studio .NET (SDE-VS). SDE-VS is not only a visual UML modeling plugin, but also an Object-Relational Mapping tool supported in the Smart Development Environment Enterprise Edition for Visual Studio .NET (SDE-VS EE) and the Smart Development Environment Professional Edition for Visual Studio .NET (SDE-VS PE).

Being an Object-Relational Mapping tool, SDE-VS automates the mappings between Java / .NET objects, object models, data model and relational database; it supports not only the generation of persistent code and database, but also the synchronization between persistent code, object model, data model and relational database, thus reduces the development time significantly.

SDE-VS supports two types of object-relational mapping, that is, object-relational mapping for Java (called Java ORM) and the other for .NET (called .NET ORM). SDE-VS PE supports .NET ORM while SDE-VS EE supports both Java ORM and .NET ORM. This part introduces how to work with object-relational mapping in SDE-VS such that you can develop your object model and data model in an easier way.

In this chapter:

- Introduction to Object-Relational Mapping
- Getting Started with Object-Relational Mapping
- Using ORM Wizard
- Object Model
- Data Model
- Database Schema
- Implementation
- Manipulating Persistent Data with Java
- Manipulating Persistent Data with .NET