

Getting Started with Relational Persistence

Overview

This simple example demonstrates how to use the J2EE toolset in the SAP NetWeaver Developer Studio to store data in database tables based on **Open SQL/JDBC and Open SQL/SQLJ**. It also provides a simple user interface to insert data into the tables and to retrieve data using queries. The Web application accesses two tables in which data about the employees and the departments in a company is stored.

Project Names:

J2EE Projects: GettingStartedOpenSQLWeb, GettingStartedOpenSQLEar
Dictionary Project: GettingStartedPersistenceDic

Requirements and Dependencies

Only between the projects

Instructions

To get the application running, proceed as follows:

1. Importing the projects into the SAP NetWeaver Developer Studio
 - a. Unzip the complete contents of the zip files "J2EE_GettingStartedOpenSQL.zip" and "J2EE_GettingStartedPersistenceDic.zip" from the Developer Studio example folder ".../SAP/JDT/eclipse/examples/" into your local workspace directory or folder of your choice.
 - b. Open the J2EE perspective ("Window"|"Open Perspective"|..."J2EE Development") and choose "File"|"Import".
 - c. Select "Multiple Existing Project into Workspace " and choose "Next".
 - d. In the input field "Select base folder", specify the folder containing the examples. Choose "Browse" and select the examples folder and select the projects GettingStartedOpenSQLWeb, GettingStartedOpenSQLEar, GettingStartedPersistenceDic.
 - e. **Uncheck** the option "Open Projects after import" and choose "Finish".
2. Opening projects
 - a. Switch to the "Navigator" view in the Developer Studio and open the imported projects in the correct order.
 - b. First of all, select the dictionary project "GettingStartedPersistenceDic" and choose "Open Project".
 - c. Open also the projects "GettingStartedOpenSQLWeb" and "GettingStartedOpenSQLEar" in similar manner.
3. Deploy the database tables
 - a. Open the Dictionary perspective ("Window"|"Open Perspective"|..."Dictionary")
 - b. In the "Dictionary Explorer", open the context menu of the "GettingStartedPersistenceDic" project.
 - c. Choose "Create Archive".
 - d. Make sure that your SAP J2EE Engine and the Software Deployment Manager are running.
 - e. In the context menu of the project choose "Deploy".
4. Deploying the application
 - a. Open the "J2EE Explorer" view to display the imported J2EE projects.
 - b. Extend the GettingStartedOpenSQLEar project node.

- c. Open the context menu of "GettingStartedOpenSOLEar.ear" and choose "Deploy to J2EE engine".
- 5. Running the application
 - a. Insert the URL into the Web Browser:
http://<host>:<port>/ gettingstarted-sql (for
example: http://localhost:50000/gettingstarted-sql)

Corresponding Tutorial:

SAP Web AS for J2EE Applications → Development Manual → Developing Business Logic → Java Persistence → Relational Persistence → Getting Started with Relational Persistence.

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