OriginalDatabaseActions

The **Original Database Actions** are the first attempt to integrate DatabaseActions support in Cocoon. Provides several Actions that automated the basics database operations over individual records (insert, update and delete). This Actions are oriented to use request parameters as input. The output is provided using request attributes and sitemap variables.

It is possible to create components that are capable of performing these activities for any row in any table, assuming that they are parameterised by a description of the database schema.

Cocoon achieves this using an additional configuration file, similar to how FormValidationUsingCocoon uses a configuration file to define the form parameters and validation rules.

If you are starting in Cocoon, use better the new Modular Database Actions

If you are looking for the supported DataypesOfDatabaseActions

Main Disadvantage

- 1. No support for autoincrement column type
- 2. The description of the database structure is split over several files, because this Actions attempt to use all tables in the provided description.

Usage

Describing the Database - descriptor.xml

The database is described using an XML document. The root element of the document is ignored, and can have any name. In theory this allows a single document to contain both database description and form validation configuration.

- connection identifies a database connection pool, see ConnectionPooling.
- table describes a complete table. It's name attribute identifies the table. The file can contain several table elements.
- keys contains database primary key information
- key describes a key.
- values contains information about non-key columns in table
- value describes a non-key column

The key and value elements share the following attributes:

- param the name of the posted form parameter
- dbcol the corresponding database column name
- type the DataypesOfDatabaseActions of the column.

An example:

The Database Actions

- DatabaseAddAction inserts a record; there's a specialisation for Oracle, the OraAddAction
- DatabaseUpdateAction updates a record
- DatabaseDeleteAction deletes a record

The actions can be combined into an ActionSet, or can be referenced directly from a pipeline. If the action succeeds then it's contents are evaluated.