

Modifying Structure Tables

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Inserting or Modifying Rows

JChem provides the `chemaxon.jchem.db.UpdateHandler` class for updating and inserting rows in structure tables. A structure table contains **fixed columns** (`cd_...`) and, optionally, additional columns that have been defined explicitly.

Java example:

```
ConnectionHandler connHandler;
int id; // cd_id value of compound
// Additional columns:
String name;
Float stock;
String comments;
...
int updateMode = isInsertion ? UpdateHandler.INSERT : UpdateHandler.UPDATE;
UpdateHandler uh = new UpdateHandler(connHandler, updateMode,
    tableName, "name, stock, comments");
try {
    uh.setStructure(structureSourceString);
    if (!isInsertion) {
        uh.setID(id);
    }
    uh.setValueForAdditionalColumn(1, name);
    uh.setValueForAdditionalColumn(2, stock);
    uh.setValueForAdditionalColumn(3, comments);
    uh.execute();
} finally {
    uh.close();
}
```

Deleting Rows

The `deleteRows` method of the `UpdateHandler` class is suggested for deleting rows from structure tables. It also increments `updateCounter` for the given table in `JChemProperties`, which is important when caching is used during structure search.

Example:

```
UpdateHandler.deleteRows(conh, structureTableName, "WHERE cd_id>1000");
```

Other Methods

Other useful methods of [UpdateHandler](#):

getStructureTables	Retrieves the name of all structure tables.
createStructureTable	Creates a structure table.
dropStructureTable	Removes a structure table.