

Code example

The following example shows how data is retrieved from a collection of templates and used to create a collection of records (with values copied from the template).

```
String thisKeyToParentTemplate = "VALGTSKABELON"; // Entity
String templateSolutionName = "tasktemplate"; // Entity
ArrayList<String> fieldsTemplate = new ArrayList(String [] {"TASK","DEADLINE","RESPONSIBLE"}); // list of
fields
String templateKeyToParentTemplate = "SKABELON"; // Entity
String instanceSolutionName = "taskinstance";
String instanceKeyToParent = "LIST";
```

Now to the code ...

```
int parentTemplateDataID =
Parser.getInteger(c.fields.getElementByFieldName(thisKeyToParentTemplate).FieldValue);

try (Session session = SessionFactory.getSession(this)) {
    //Get data
    SolutionQuery opsaetning = session.getSolutionQuery(templateSolutionName);
    for (int i = 0; i < fieldsTemplate.size(); i++)
        opsaetning.addSelectField(fieldsTemplate.get(i));
    opsaetning.addWhereCriterion(templateKeyToParentTemplate, parentTemplateDataID);
    SolutionQueryResultSet recordsToCopy = opsaetning.executeQuery();

    int recordCount = recordsToCopy.size();
    for (int i = 0; i < recordCount; i++) {
        SolutionRecordNew instance = session.getSolutionRecordNew(instanceSolutionName);

        for (int fi = 0; fi < fieldsTemplate.size(); fi++) {
            String fieldNameToCopy = fieldsTemplate.get(fi);
            String value = recordsToCopy.getRecordValue(i, fieldNameToCopy);
            instance.setValue(fieldNameToCopy, value);
        }
        instance.setValueInteger(instanceKeyToParent, c.DataID);
        if (Parser.isEmpty(instanceKeyToTemplate))
```

```

        instance.setValueInteger(instanceKeyToTemplate, recordsToCopy.getReference(i));

        instance.persistChanges();
    }
} catch (Exception e) {
    e.printStackTrace();
} catch (TsCloseObjectRequired ex) {
}

```

The newer version (as of version 11230)

```

int parentTemplateDataID =
Parser.getInteger(c.fields.getElementByFieldName(thisKeyToParentTemplate).FieldValue);

try (Session session = SessionFactory.getSession(this)) {
    //Get data
    SolutionQueryResultSet recordsToCopy = session
        .query(templateSolutionName)
        .select(fieldsTemplate)
        .where(templateKeyToParentTemplate, parentTemplateDataID)
        .execute();

    SolutionRecord original;
    while ((original = recordsToCopy.next()) != null) {
        SolutionRecordNew instance = session.getSolutionRecordNew(instanceSolutionName);

        for (String field : fieldsTemplate) {
            String value = original.getValue(field);
            instance.setValue(field, value);
        }
        instance.setValue(instanceKeyToParent, c.DataID);
        if (Parser.isNotEmpty(instanceKeyToTemplate))
            instance.setValue(instanceKeyToTemplate, original.getDataID());

        instance.persistChanges();
    }
} catch (Exception ex) {
    ex.printStackTrace();
} catch (TsCloseObjectRequired ignore) {
}

```

Revision #3

Created 25 March 2025 14:59:31 by Theis Villumsen

Updated 11 November 2025 12:22:40 by Theis Villumsen