

## The data file

The data file is an XML file containing at least one table, which records can refer to records in other table, like a relational database. The content of such a data file is like this :

```
<?xml version="1.0" encoding="utf-8"?>
<dpk:data>
  <dpk:table label="Table1Label">
    <dpk:content DefaultRecordLabelTag="Table1FieldX">
      <Table1RecordTag dpk:label="Table1Record1Label">
        <Table1Field1>Table1Field1Data1</Table1Field1>
        <Table1Field2>Table1Field2Data1</Table1Field2>
        ...
      </Table1RecordTag>
      <Table1RecordTag dpk:label="Table1Record2Label">
        <Table1Field1>Table1Field1Data2</Table1Field1>
        <Table1Field2>Table1Field2Data2</Table1Field2>
        ...
      </Table1RecordTag>
      ...
    </dpk:content>
  </dpk:table>
  <dpk:table label="Table2Label">
    <dpk:aliases label="%RL%" TableLabel="Table1">
      <dpk:alias label="Table1RecordXAlias" TableLabel="Table1"/>
    </dpk:aliases>
    <dpk:content DefaultRecordLabelTag="Table2FieldX">
      <Table2RecordTag dpk:label="Table2Record1Label">
        <dpk:insert RecordAlias="Table2RecordXAlias"/>
        <Table2Field1>Table2Field1Data1</Table2Field1>
        <Table2Field2>Table2Field2Data1</Table2Field2>
        ...
      </Table2RecordTag>
      <Table2RecordTag dpk:label="Table2Record2Label">
        <dpk:insert RecordAlias="Table2RecordXAlias"/>
        <Table2Field1>Table2Field1Data2</Table2Field1>
        <Table2Field2>Table2Field2Data2</Table2Field2>
        ...
      </Table2RecordTag>
      ...
    </dpk:content>
  </dpk:table>
  ...
</dpk:data>
```

The `dpk:` prefixed tags or attributes, or the attributes in a `dpk:` prefixed tag are keywords recognized by `dpkq` and had to be written as is. However, it is possible to use another namespace as `dpk` (see `dpkq --help` for details).

The `DefaultRecordLabelTag` attribute is optional, and allows to specify the tag which value is used for each record as its label. This can be supersede by putting a `dpk:label` attribute to the concerned record.

The `dpk:aliases` tag can be used to define aliases for records or for tables. When the `label` attribute is defined, its value is used to generate an alias for each record of the table which label is given in the `TableLabel` attribute, or alias with the `TableAlias` attribute. The `label` attribute can contain following markers (and should, at least, contain the `%RI%` or `%RL%` marker):

- `%RI%`: index of the record,
- `%RL%`: label of the record,
- `%TI%`: index of the table,
- `%TL%`: label of the table,
- `%`: the `%` character.

You can specify an alias for a table with the `dpk:alias` tag (which have to be enclosed by a `dpk:aliases` tag). The `label` attribute specifies the alias label, the `TableLabel` attribute the

label of the table to which the alias is affected.

The same `dpk:alias` tag can be used to explicitly specify a record alias, or supersede record aliases defined with the `dpk:aliases` tag. The `label` attribute contains the record alias label, and the table owning the record has to be specified by its label or alias by defining a `TableLabel` attribute or a `TableAlias` attribute. The table related attribute is not needed if the table is specified by its label or alias in the enclosing `dpk:aliases` tag.

A `dpk:table` can contain several (or no) `dpk:aliases` tags, which can contain several (or no) `dpk:alias` tag.

In addition of the optional `dpk:label` attribute, each record can have a `dpk:Handling` attribute, which can contain following values :

- `Skip` : the record is skipped, i. e. never picked,
- `Ignore` : the record is ignored, as it does not exists.

You can insert in a record the content of the record of another table by using the `dpk:insert` tag. The record is specified by its alias with the `RecordAlias` attribute, or by its label by the `RecordLabel` attribute. When using this latter, you have to specify the owning table by its label or alias by defining the `TableLabel` attribute, or the `TableAlias` attribute. There can be several (or no) `dpk:insert` tag in a record.

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