

Package: tab2xml (via r-universe)

February 27, 2025

Type Package

Title XML Generation from Tables

Version 1.0.0.9000

Description Converting structured data from tables into XML format using predefined templates ensures consistency and flexibility, making it ideal for data exchange, reporting, and automated workflows.

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URL <https://josesamos.github.io/tab2xml/>,
<https://github.com/josesamos/tab2xml>

BugReports <https://github.com/josesamos/tab2xml/issues>

Imports readODS, readxl, stringr, tools

Suggests knitr, rmarkdown, testthat (>= 3.0.0), xml2

VignetteBuilder knitr

Config/testthat/edition 3

Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

Config/pak/sysreqs libicu-dev

Repository <https://josesamos.r-universe.dev>

RemoteUrl <https://github.com/josesamos/tab2xml>

RemoteRef HEAD

RemoteSha 556cc899e6a77b9cbf4248756d7003e21a6ec878

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check_tab	<i>Validate and Check Spreadsheet Data</i>
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Description

This function validates the structure of a spreadsheet file by checking its sheets, primary keys (PKs), and foreign keys (FKs). If a template file is provided, it also checks the column definitions.

Usage

```
check_tab(file_path, template_path = NULL)
```

Arguments

file_path	Character. Path to the spreadsheet file to be validated.
template_path	Character (optional). Path to the template file for validation. If 'NULL', only the sheet structure is checked.

Value

Logical. Returns "TRUE" but warns of possible errors.

sheet2xml	<i>Convert a Spreadsheet to XML</i>
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Description

It reads a spreadsheet file (Excel or ODS), processes it using a provided XML template, and generates an XML output file.

Usage

```
sheet2xml(file_path, template_path, xml_path = NULL, optimize = FALSE)
```

Arguments

file_path	Character. Path to the spreadsheet file to be converted. Supports Excel (.xlsx) and ODS formats.
template_path	Character. Path to the XML template file to guide the transformation process.
xml_path	Character (optional). Output path for the generated XML file. If NULL, it is considered an XML file with the same name and location as the spreadsheet file.
optimize	Boolean. Remove empty nodes from the xml file.

Value

Character. The file path of the generated XML document.

Examples

```
source_xml <- system.file("extdata", "schema_template.xml", package = "tab2xml")
```

```
source_xlsx <- system.file("extdata", "schema.xlsx", package = "tab2xml")  
temp_file1 <- tempfile(fileext = ".xml")  
sheet2xml(source_xlsx, source_xml, temp_file1)
```

```
source_ods <- system.file("extdata", "schema.ods", package = "tab2xml")  
temp_file2 <- tempfile(fileext = ".xml")  
sheet2xml(source_ods, source_xml, temp_file2)
```

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