

# Package ‘tab2xml’

May 8, 2026

**Type** Package

**Title** XML Generation from Tables

**Version** 1.1.0

**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

**RoxygenNote** 7.3.2

**NeedsCompilation** no

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**Repository** CRAN

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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.

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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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