# Package 'factset.protobuf.stach.v2'

October 16, 2022

**Type** Package

**Version** 1.0.6

**Title** 'FactSet' 'STACH V2' Library

**Description** Generates 'RProtobuf' classes for 'FactSet' 'STACH V2' tabular
format which represents complex multi-dimensional array of data. These
classes help in the 'serialization' and 'deserialization' of 'STACH V2'
formatted data. See 'GitHub' repository documentation for more
information.

**URL** https://github.com/factset/stachschema-sdks

**BugReports** https://github.com/factset/stachschema-sdks/issues

**License** Apache License 2.0

**Encoding** UTF-8

**Imports** R6

**Depends** RProtoBuf

**Suggests** testthat

**SystemRequirements** ProtoBuf libraries and compiler version 3.3.0 or
later; On Debian/Ubuntu these can be installed as
libprotoc-dev, libprotobuf-dev and protobuf-compiler, while on
Fedora/CentOS protobuf-devel and protobuf-compiler are needed.

**RoxygenNote** 7.0.0

**NeedsCompilation** no

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**Repository** CRAN

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# R topics documented:

factset.protobuf.stach.v2

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**Description**

The purpose of this library is to help in the serialization and de-serialization of the FactSet STACH v2 format represented using Google Protocol buffers. This library has the required FactSet STACH v2 Protobuf files and the helper serialization related methods are provided by RProtobuf library which is an internal dependency.

**Usage**

stachFormatdata <- read( factset.protobuf.stach.v2.Package, input='path of your stach file' )

**Arguments**

package  Stach Data which is represented as a Package object

input  Input file which is in binary format

**Examples**

```
## Not run:
# an example to Read column organized file data from a connection
read( factset.protobuf.stach.v2.Package, input = 'path of your stach file' )

# an example to Read row organized file data from a connection
read( factset.protobuf.stach.v2.RowOrganizedPackage, input = 'path of your stach file' )

# an example to Read the raw stach data as a character
read( factset.protobuf.stach.v2.Package, input = as.character(stachdata) )

## End(Not run)
```

# Index