

getrf_result

NAME

getrf_result - a structure to model the output of frovedis wrapper of scalapack getrf routine.

SYNOPSIS

```
import frovedis.matrix.results.GetrfResult
```

Public Member Functions

```
release()  
ipiv()  
stat()
```

DESCRIPTION

GetrfResult is a client python side pseudo result structure containing the proxy of the in-memory scalapack getrf result (node local ipiv vector) created at frovedis server side.

Public Member Function Documentation

release()

Purpose

This function can be used to release the in-memory result component (ipiv vector) at frovedis server.

Return Type

It returns nothing.

ipiv()

Purpose

This function returns the proxy of the node_local “ipiv” vector computed during getrf calculation. This value will be required in other scalapack routine calculation, like getri, getsr etc.

Return Type

A long value containing the proxy of ipiv vector.

stat()

Purpose

This function returns the exit status of the scalapack native getrf routine on calling of which the target result object was obtained.

Return Type

It returns an integer value.