

# getrf\_result

## NAME

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

## SYNOPSIS

```
import com.nec.frovedis.matrix.GetrfResult
```

## Public Member Functions

```
Unit release()  
Long ipiv()  
Int stat()
```

## DESCRIPTION

GetrfResult is a client spark 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

### Unit release()

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

### Long ipiv()

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, getrs etc.

### Int stat()

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