

NAME

`SPI_execute_plan` - execute a statement prepared by **SPI_prepare**

SYNOPSIS

```
int SPI_execute_plan(SPIPlanPtr plan, Datum * values, const char * nulls,
                    bool read_only, long count)
```

DESCRIPTION

SPI_execute_plan executes a statement prepared by **SPI_prepare** or one of its siblings. *read_only* and *count* have the same interpretation as in **SPI_execute**.

ARGUMENTS

SPIPlanPtr plan

prepared statement (returned by **SPI_prepare**)

*Datum * values*

An array of actual parameter values. Must have same length as the statement's number of arguments.

*const char * nulls*

An array describing which parameters are null. Must have same length as the statement's number of arguments.

If *nulls* is NULL then **SPI_execute_plan** assumes that no parameters are null. Otherwise, each entry of the *nulls* array should be ' ' if the corresponding parameter value is non-null, or 'n' if the corresponding parameter value is null. (In the latter case, the actual value in the corresponding *values* entry doesn't matter.) Note that *nulls* is not a text string, just an array: it does not need a '\0' terminator.

bool read_only

true for read-only execution

long count

maximum number of rows to return, or 0 for no limit

RETURN VALUE

The return value is the same as for **SPI_execute**, with the following additional possible error (negative) results:

SPI_ERROR_ARGUMENT

if *plan* is NULL or invalid, or *count* is less than 0

SPI_ERROR_PARAM

if *values* is NULL and *plan* was prepared with some parameters

SPI_processed and *SPI_tuptable* are set as in **SPI_execute** if successful.