

# Package ‘RhpcBLASctl’

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**Title** Control the Number of Threads on 'BLAS'

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**Description** Control the number of threads on 'BLAS' (Aka 'GotoBLAS', 'ACML' and 'MKL').  
And possible to control the number of threads in 'OpenMP'.  
Get a number of logical cores and physical cores if feasible.

**License** AGPL-3

**URL** <http://prs.ism.ac.jp/~nakama/Rhpc/>

**ByteCompile** true

**NeedsCompilation** yes

**Repository** CRAN

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RhpcBLASctl-package    *Control the number of threads on BLAS*

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## Description

Control the number of threads on 'BLAS' (Aka 'GotoBLAS', 'ACML' and 'MKL'). – 'Goto-BLAS(generic)' binary for Windows i386 <http://prs.ism.ac.jp/~nakama/SurviveGotoBLAS2/binary/windows/x86/KATMAI>  
'GotoBLAS(generic)' binary for Windows x64 <http://prs.ism.ac.jp/~nakama/SurviveGotoBLAS2/binary/windows/x64/PRES>  
get\_num\_cores is number of physical cores returned, when feasible. get\_num\_procs is number of logical processor returned.

**Usage**

```
get_num_cores()
get_num_procs()
blas_get_num_procs()
blas_set_num_threads(threads)
omp_get_num_procs()
omp_get_max_threads()
omp_set_num_threads(threads)
```

**Arguments**

threads	Number of threads
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**Details**

<http://prs.ism.ac.jp/~nakama/Rhpc>

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**Examples**

```
get_num_cores()
get_num_procs()
blas_get_num_procs()
blas_set_num_threads(2)
omp_get_num_procs()
omp_get_max_threads()
omp_set_num_threads(2)
```

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