# Package: awsMethods (via r-universe)

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**Title** Class and Methods Definitions for Packages 'aws', 'adimpro', 'fmri', 'dwi'

**Depends** R (>= 3.2.0), methods

**Description** Defines the method extract and provides 'openMP' support as needed in several packages.

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extract-methods *Generic function* extract

## Description

Provides generic function extract currently used in packages aws and dti.

## Methods

Method extract is used to extract information from objects defined in packages aws and dti. Here only the generic function is defined. The method usually takes an argument what='vector of characters' defining which information is needed and returns a list with component names corresponding to the entries in what.

signature(x = "ANY")

risk-methods *Generic function* risk

## Description

Provides generic function risk currently used in package aws.

## Methods

Defines a method used in package aws to evaluate the quality of smoothing results. See help in package aws for details.

signature(y = "ANY")

setCores *Set the number of cores to use for openMP.*

## Description

The function sets the number of cores used in openMP parallelization in part of the Fortran code.

## Usage

```
setCores(n, reprt = TRUE)
```

## Arguments

| | |
|---|---|
| n | number of cores to use. If n is missing the actual number of cores in use is returned. |
| reprt | Logical, is reprt==TRUE the number of cores in use is reported. |

## Details

The number of cores is restricted to integers between 1 (default) and the number of available cores.

## Value

The function returns the number of cores in use.

## Note

This function is a slightly modified version of function setCores in package spMC version 0.2.2 written by Luca Sartore <drwolf85@gmail.com>

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## Examples

```
## Report number of cores available and in use
  setCores()
## Set number of cores used in openMP to minimum of
## 12 and number of available cores
  setCores(12)
```

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