

JAVA.LANG.RUNTIME.AVAILABLEPROCESSORS METHOD

http://www.tutorialspoint.com/java/lang/runtime_availableprocessors.htm

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Description

The **java.lang.Runtime.availableProcessors** method returns the number of processors available to the Java virtual machine. This value may change during a particular invocation of the virtual machine. Applications that are sensitive to the number of available processors should therefore occasionally poll this property and adjust their resource usage appropriately.

Declaration

Following is the declaration for **java.lang.Runtime.availableProcessors** method

```
public int availableProcessors()
```

Parameters

- NA

Return Value

This method returns the maximum number of processors available to the virtual machine; never smaller than one

Exception

- NA

Example

The following example shows the usage of lang.Runtime.availableProcessors method.

```
package com.tutorialspoint;

public class RuntimeDemo {

    public static void main(String[] args) {

        // print a normal message
        System.out.println("Hello world!");

        // check the number of processors available
        System.out.println(""+Runtime.getRuntime().availableProcessors());
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
Hello world!
4
```

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