

SECURITYMANAGER GETCLASSCONTEXT METHOD

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

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Description

The **java.lang.SecurityManager.getClassContext** method returns the current execution stack as an array of classes. The length of the array is the number of methods on the execution stack. The element at index 0 is the class of the currently executing method, the element at index 1 is the class of that method's caller, and so on.

Declaration

Following is the declaration for **java.lang.SecurityManager.getClassContext** method

```
protected Class[] getClassContext()
```

Parameters

- NA

Return Value

This method returns the execution stack.

Exception

- NA

Example

Our examples require that the permissions for each command is blocked. A new policy file was set that allows only the creating and setting of our Security Manager. The file is in C:/java.policy and contains the following text:

```
grant {  
    permission java.lang.RuntimePermission "setSecurityManager";  
    permission java.lang.RuntimePermission "createSecurityManager";  
    permission java.lang.RuntimePermission "usePolicy";  
};
```

The following example shows the usage of lang.SecurityManager.getClassContext method.

```
package com.tutorialspoint;  
  
public class SecurityManagerDemo extends SecurityManager {  
  
    public static void main(String[] args) {  
  
        // set the policy file as the system security policy  
        System.setProperty("java.security.policy", "file:/C:/java.policy");  
  
        // create a security manager  
        SecurityManagerDemo sm = new SecurityManagerDemo();  
  
        // set the system security manager  
        System.setSecurityManager(sm);  
  
        // get the class context  
        Class[] con = sm.getClassContext();  
  
        // print the class context  
        for (int i = 0; i < con.length; i++) {  
            System.out.println(" " + con[i]);  
        }  
    }  
}
```

```
}  
}  
}
```

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

```
class com.tutorialspoint.SecurityManagerDemo
```

```
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```