

JAVA.LANG.CLASS.GETPROTECTIONDOMAIN METHOD

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

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Description

The **java.lang.Class.getProtectionDomain** returns the ProtectionDomain of this class.

Declaration

Following is the declaration for **java.lang.Class.getProtectionDomain** method

```
public ProtectionDomain getProtectionDomain()
```

Parameters

- NA

Return Value

This method returns the ProtectionDomain of this class.

Exception

- **SecurityException** -- if a security manager exists and its checkPermission method doesn't allow getting the ProtectionDomain.

Example

The following example shows the usage of java.lang.Class.getProtectionDomain method.

```
package com.tutorialspoint;

import java.lang.*;
import java.security.ProtectionDomain;

public class ClassDemo {

    public static void main(String[] args) {

        try {
            Class cls = Class.forName("ClassDemo");

            // returns the name of the class
            System.out.println("Class = " + cls.getName());

            // returns the ProtectionDomain of this class.
            ProtectionDomain p = cls.getProtectionDomain();
            System.out.println(p);
        }
        catch(ClassNotFoundException ex) {
            System.out.println(ex.toString());
        }
    }
}
```

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

```
Class = ClassDemo
ProtectionDomain (file:/C:/Program%20Files/Java/jdk1.6.0_06/bin/ <no signer
certificates>)
sun.misc.Launcher$AppClassLoader@11b86e7
<no principals>
java.security.Permissions@3e25a5 (
```

```
(java.io.FilePermission \C:\Program Files\Java\jdk1.6.0_06\bin\ - read)
(java.lang.RuntimePermission exitVM)
)
```

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