

SECURITYMANAGER GETTHREADGROUP METHOD

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

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Description

The **java.lang.SecurityManager.getThreadGroup** method returns the thread group into which to instantiate any new thread being created at the time this is being called. By default, it returns the thread group of the current thread. This should be overridden by a specific security manager to return the appropriate thread group.

Declaration

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

```
public ThreadGroup getThreadGroup()
```

Parameters

- NA

Return Value

This method returns a ThreadGroup that new threads are instantiated into

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.getThreadGroup method.

```
package com.tutorialspoint;  
  
public class SecurityManagerDemo {  
  
    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  
        SecurityManager sm = new SecurityManager();  
  
        // set the system security manager  
        System.setSecurityManager(sm);  
  
        // get the thread group  
        ThreadGroup con = sm.getThreadGroup();  
  
        // print the the thread group  
        System.out.println(" " + con);  
    }  
}
```

```
}  
}
```

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

```
java.lang.ThreadGroup[name=main,maxpri=10]  
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```