

JAVA.LANG.PROCESSBUILDER.REDIRECT ERRORSTRESTART METHOD

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

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Description

The **java.lang.ProcessBuilder.start** method starts a new process using the attributes of this process builder. The new process will invoke the command and arguments given by command, in a working directory as given by directory, with a process environment as given by environment. This method checks that the command is a valid operating system command. Which commands are valid is system-dependent, but at the very least the command must be a non-empty list of non-null strings.

If there is a security manager, its checkExec method is called with the first component of this object's command array as its argument. This may result in a SecurityException being thrown.

Declaration

Following is the declaration for **java.lang.ProcessBuilder.start** method

```
public Process start()
```

Parameters

- NA

Return Value

This method returns a new Process object for managing the subprocess

Exception

- **NullPointerException** -- If an element of the command list is null
- **IndexOutOfBoundsException** -- If the command is an empty list *hasSize0*
- **SecurityException** -- If a security manager exists and its checkExec method doesn't allow creation of the subprocess
- **IOException** -- If an I/O error occurs

Example

The following example shows the usage of lang.ProcessBuilder.start method.

```
package com.tutorialspoint;

import java.io.IOException;

public class ProcessBuilderDemo {

    public static void main(String[] args) {

        // create a new list of arguments for our process
        String[] list = {"notepad.exe", "test.txt"};

        // create the process builder
        ProcessBuilder pb = new ProcessBuilder(list);
        try {
            // start the subprocess
            System.out.println("Starting the process..");
            pb.start();
        } catch (IOException ex) {
```

```
ex.printStackTrace();  
}  
}  
}
```

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

Starting the process...

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