
Subject: Re: Call IDL (Virtual Machine) Save file from Java
Posted by [Vince Hradil](#) on Tue, 11 Sep 2007 14:07:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sep 11, 7:25 am, raval.chin...@gmail.com wrote:

> Hi,
>
> I made one application for which some part I have developed in IDL.
> For this application I made save file in IDL which run correctly If I
> run it through command prompt on Windows with the command given below.
>
> idlrt -vm "D:\myapp.sav"
>
> I made a bat file simple.bat. which contain the same above command.
> When I run this bat file from the command prompt my application is
> running fine.
>
> The entire application is in Java. I have only installed IDL virtual
> machine on my Windows XP machine. and I have written following code in
> Java to call the application.
>
> Runtime r=Runtime.getRuntime();
> Process p=null;
> try
> {
> String s="D://simple.bat";
>
> p=r.exec(s);
> }
>
> catch(Exception e){
> System.out.println("error==="+e.getMessage());
> e.printStackTrace();
> }
>
> But the problem comes when I try to run the code from Java file. I am
> not able to run IDL application. At the same time one good thing I
> found in above code , It is not generating any error :-).
>
> Appreciate If you could help me in this regard.
>
> -Chintan

So it doesn't work... what DOES it do?

Subject: Re: Call IDL (Virtual Machine) Save file from Java

raval.chintan@gmail.com wrote:

> Hi,
>
> I made one application for which some part I have developed in IDL.
> For this application I made save file in IDL which run correctly If I
> run it through command prompt on Windows with the command given below.
>
> idlrt -vm "D:\myapp.sav"
>
> I made a bat file simple.bat. which contain the same above command.
> When I run this bat file from the command prompt my application is
> running fine.
>
>
> The entire application is in Java. I have only installed IDL virtual
> machine on my Windows XP machine. and I have written following code in
> Java to call the application.
>
>
> Runtime r=Runtime.getRuntime();
> Process p=null;
> try
> {
> String s="D://simple.bat";
>
> p=r.exec(s);
> }
>
> catch(Exception e){
> System.out.println("error==="+e.getMessage());
> e.printStackTrace();
> }
>
> But the problem comes when I try to run the code from Java file. I am
> not able to run IDL application. At the same time one good thing I
> found in above code , It is not generating any error :-).
>
>
> Appreciate If you could help me in this regard.
>
> -Chintan

You can't execute a bat file directly, it needs cmd.exe to run it. Modify your Java to use the alternative exec() method which takes a String[]:

```
String[] s = new String[] { "cmd.exe", "D:/simple.bat" };
```

You may or may not need the /c flag, I don't know cmd.exe well enough to say. If you do just add it to the array:

```
String[] s = new String[] { "cmd.exe", "/c", "D:/simple.bat" };
```

P.S.

You should only need a single "/" in the path, it's "\" which needs to be escaped by "\\".

--

Nigel Wade, System Administrator, Space Plasma Physics Group,
University of Leicester, Leicester, LE1 7RH, UK
E-mail : nmw@ion.le.ac.uk
Phone : +44 (0)116 2523548, Fax : +44 (0)116 2523555

Subject: Re: Call IDL (Virtual Machine) Save file from Java
Posted by [raval.chintan](#) on Wed, 12 Sep 2007 07:22:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sep 11, 7:55 pm, Nigel Wade <n...@ion.le.ac.uk> wrote:

> raval.chin...@gmail.com wrote:

>> Hi,

>

>> I made one application for which some part I have developed in IDL.

>> For this application I made save file in IDL which run correctly If I

>> run it through command prompt on Windows with the command given below.

>

>> idlrt -vm "D:\myapp.sav"

>

>> I made a bat file simple.bat. which contain the same above command.

>> When I run this bat file from the command prompt my application is

>> running fine.

>

>> The entire application is in Java. I have only installed IDL virtual

>> machine on my Windows XP machine. and I have written following code in

>> Java to call the application.

>

>> Runtime r=Runtime.getRuntime();

>> Process p=null;

>> try

>> {

>> String s="D://simple.bat";

>

>> p=r.exec(s);

>> }

```
>
>> catch(Exception e){
>>     System.out.println("error==="+e.getMessage());
>>     e.printStackTrace();
>> }
>
>> But the problem comes when I try to run the code from Java file. I am
>> not able to run IDL application. At the same time one good thing I
>> found in above code , It is not generating any error :-).
>
>> Appreciate If you could help me in this regard.
>
>> -Chintan
>
> You can't execute a bat file directly, it needs cmd.exe to run it. Modify your
> Java to use the alternative exec() method which takes a String[]:
>
> String[] s = new String[] { "cmd.exe", "D:/simple.bat" };
>
> You may or may not need the /c flag, I don't know cmd.exe well enough to say. If
> you do just add it to the array:
>
> String[] s = new String[] { "cmd.exe", "/c", "D:/simple.bat" };
>
> P.S.
> You should only need a single "/" in the path, it's "\" which needs to be
> escaped by "\\".
>
> --
> Nigel Wade, System Administrator, Space Plasma Physics Group,
> University of Leicester, Leicester, LE1 7RH, UK
> E-mail : n...@ion.le.ac.uk
> Phone : +44 (0)116 2523548, Fax : +44 (0)116 2523555- Hide quoted text -
>
> - Show quoted text -
```

Hi Nigel,

Thank you for your reply. I have tried the suggestion that you have provided but I do not get success in running my program.

I find that When I am writing `idlrt -vm myaap.sav` command in `simple.bat` file, my code is not running and same time its not giving me any error. But when I am writing only `myaap.sav` in `simple.bat` file my application is ruuning fine.

Now the thing is that .. after changing my `simple.bat` file my work is done ... But I do not know why it is not running when I am running my

application through idlrt -vm myapp.sav file :-).

Once again Thank you for your reply.

Regards
Chintan
