

How can i get a web modules deployment...



[HugoPalma](#) 177 posts since

Dec 10, 2002

I have to have access to a web modules deployment descriptors. I've been digging the Module class but couldn't find that information. Anyone knows how to do this ?

Thanks

Hugo



[HugoPalma](#) 177 posts since

Dec 10, 2002 1. **Re: How can i get a web modules deployment descriptors path ?** Jul 22, 2005 7:59 PM

Nevermind, figured this one out.



Guest 2. **Re: How can i get a web modules deployment descriptors path ?** Jul 23, 2005 11:34 AM

Would you mind sharing your knowledge with us?

Hugo Palma wrote:

Nevermind, figured this one out.

--

Martin Fuhrer

Fuhrer Engineering AG

<http://www.fuhrer.com>

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[HugoPalma](#) 177 posts since

Dec 10, 2002 3. **Re: How can i get a web modules deployment descriptors path ?** Jul 25, 2005 1:02 PM

Of course not, that what knowledge is for :o)

```
J2EEModuleProperties moduleproperties = J2EEModuleProperties.getInstance(myModule);
```

```
J2EEDeploymentDescriptor[] dds = moduleproperties.getDeploymentDescriptors();
```



[Gaurav Joshi](#) 20 posts since

Feb 8, 2010 4. **Re: How can i get a web modules deployment descriptors path ?** Feb 8, 2010 10:27 AM

J2EEDeploymentDescriptor, seems to be missing in 9.x version, Is there a counterpart for it now?



Guest 5. **Re: How can i get a web modules deployment descriptors path ?** Feb 8, 2010 12:05 PM

```
webFacet.getDescriptorsContainer().getConfigFile(DeploymentDescriptorsConstants.WEB_XML_META,
```

J2EEDeploymentDescriptor, seems to be missing in 9.x version, Is there a counterpart for it now?

Original message URL: <http://www.jetbrains.com/devnet/message/5256149#5256149>

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Nikolay Chashnikov

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[Gaurav Joshi](#) 20 posts since

Feb 8, 2010 6. **Re: How can i get a web modules deployment descriptors path ?** Feb 8, 2010 12:42 PM

Thanks Nikolay Chashnikov for the instant reply. One final thing, I am using the IntelliJ CE, and the snippet mentioned by you make use of javaee package, officially part of UE. Does that mean, making it part of CE is compilation of javaee package and bundling it in plugin jar.



Guest 7. **Re: How can i get a web modules deployment descriptors path ?** Feb 8, 2010 1:06 PM

If your plugin depends on JavaEE classes you won't be able to use it in IDEA CE.

Thanks Nikolay Chashnikov for the instant reply. One final thing, I am using the IntelliJ CE, and the snippet mentioned by you make use of javaee package, officially part of UE. Does that mean, making it part of CE is compilation of javaee package and bundling it in plugin jar.

Original message URL: <http://www.jetbrains.net/devnet/message/5256155#5256155>

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Gaurav Joshi 20 posts since

Feb 8, 2010 8. **Re: How can i get a web modules deployment descriptors path ?** Feb 9, 2010 10:05 AM

Previously with IntelliJ 5.0 we used to create web modules using `J2EEModuleProperties` and `J2EEDeploymentDescriptor`. I am stuck with snippet present in old module

```
J2EEModuleProperties webProps = J2EEModuleProperties.getInstance(webModule);  
J2EEDeploymentDescriptor[] descriptors = webProps.getDeploymentDescriptors();  
if (descriptors.length > 0) {  
    descriptors[0].setUrl(webModuleRoot.getAbsolutePath() + "\\WEB-INF\\web.xml");  
}
```

as these classes has been removed altogether. Now as said by you

```
webFacet.getDescriptorsContainer().getConfigFile(DeploymentDescriptorsConstants.WEB_XML_META
```

can be used.

I am assuming that I have to

How can i get a web modules deployment...

1. Create a simple java module (cannot create a web module as initially it was done by ModulyType.web)
2. Attach a web facet to it with

```
FacetType type = FacetTypeRegistry.getInstance().findFacetType(WebFacet.ID);  
  
FacetManager.getInstance(webModule).addFacet(type, moduleName, null);
```

How would I add the descriptors as defined above.

Also,

We have the license for IntelliJ 5 and had build up a custom plugin for that. Now we have decided to purchase IntelliJ 9 license, and the resposibility of migrating the plugin lies upon me.

Since I am new to IntelliJ plugin development field, I am facing hell lot of difficulty as there is neither java docs or proper documentation nor any kind of tutorial. I tried looking into API of 5.0 and it contains no description at all. I have read the architecture and various other documentation available at (<http://confluence.jetbrains.net/display/IDEADEV/PluginDevelopment>) .

Is there any other way I can expedite the process other than looking for individual queries posted in confluence and make desperate try of bringing any sense how so ever little I can.

Appreciate the prompt replies I have got till now



Guest 9. **Re: How can i get a web modules deployment descriptors path ?** Feb 9, 2010 12:53 PM

WebModuleType was removed in IDEA 7. You indeed need to use Java module with WebFacet instead.

To add a descriptor you can use

```
webFacet.getDescriptorsContainer().getConfiguration().addConfigFile(DeploymentDescriptorsConstants.  
webXmlUrl).
```

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Unfortunately there are no other sources of documentation/tutorials regarding plugin development.

Previously with IntelliJ 5.0 we used to create web modules using J2EEModuleProperties and J2EEDeploymentDescriptor. I am stuck with snippet present in old module

```
+ J2EEModuleProperties webProps =  
J2EEModuleProperties.getInstance(webModule);+
```

```
+ J2EEDeploymentDescriptor[] descriptors =  
webProps.getDeploymentDescriptors();+
```

```
+ if (descriptors.length > 0) {+
```

```
+     descriptors[0].setUrl(webModuleRoot.getAbsolutePath() + "  
WEB-INF  
web.xml");+
```

```
+ } +
```

as these classes has been removed altogether. Now as said by you

```
+ webFacet.getDescriptorsContainer().getConfigFile(DeploymentDescriptorsConstants.WEB_XML
```

can be used.

I am assuming that I have to

1. Create a simple java module (cannot create a web module as initially it was done by ModulyType.web)

2. Attach a web facet to it with

```
+ FacetType type =  
FacetTypeRegistry.getInstance().findFacetType(WebFacet.ID);+
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FacetManager.getInstance(webModule).addFacet(type, moduleName, null);
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Original message URL: <http://www.jetbrains.net/devnet/message/5256240#5256240>

--

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Gaurav Joshi 20 posts since

Feb 8, 2010 10. Re: How can i get a web modules deployment descriptors path ? Feb 10, 2010 3:24 PM

Thanks Nikolay for the prompt and useful reply. Dont know how will I manage without you. Hopefully one last thing, I have created the java module and added web facet to it using

```
FacetType type = FacetTypeRegistry.getInstance().findFacetType(WebFacet.ID);
FacetManager.getInstance(webModule).addFacet(type, moduleName, null);
Collection facets = WebFacet.getInstance(webModule);
if(facets.size() > 0)
{
    Iterator iterator = facets.iterator();
    WebFacet webFacet = (WebFacet)iterator.next();
```

```
webFacet.getDescriptorsContainer().getConfiguration().addConfigFile(DeploymentDescriptorsConstants
+ "\\WEB-INF\\web.xml");
}
```

but when I module is created in IntelliJ, it still ask for web facet to be attached to it. Is there something I am doing wrong. And when I manually do it then the icon for module changes to web but when done through the plug-in the icon besides the module is still that of java project.



Guest 11. Re: How can i get a web modules deployment descriptors path ? Feb 11, 2010 1:33 PM

What do you mean by "it still ask for web facet"? Your code should add a Web facet to any existing Java module regardless of how this module was

How can i get a web modules deployment...

created (by user or via API). Also a web facet added to a module doesn't change icon of that module. It will be shown as a separate node under the

module node in Project Structure dialog.

Thanks Nikoly for the prompt and useful reply. Dont know how will I manage without you. Hopefully one last thing, I have created the java module and added web facet to it using

```
+ +
```

```
+ FacetType type =  
FacetTypeRegistry.getInstance().findFacetType(WebFacet.ID);
```

```
    FacetManager.getInstance(webModule).addFacet(type,  
moduleName, null);
```

```
    Collection facets = WebFacet.getInstance(webModule);
```

```
    if(facets.size() > 0)
```

```
    {
```

```
        Iterator iterator = facets.iterator();
```

```
        WebFacet webFacet = (WebFacet)iterator.next();
```

```
webFacet.getDescriptorsContainer().getConfiguration().addConfigFile(DeploymentDescriptorsCo
```

```
+ "
```

```
WEB-INF
```

```
web.xml");
```

```
    }+
```

but when I module is created in IntelliJ, it still ask for web facet to be attached to it. Is there something I am doing wrong. And when I manually do it then the icon for module changes to web but when done through the plug-in the icon besides the module is still that of java project.

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Original message URL: <http://www.jetbrains.net/devnet/message/5256391#5256391>

--

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[Gaurav Joshi](#) 20 posts since

Feb 8, 2010 12. Re: **How can i get a web modules deployment descriptors path ?** Feb 11, 2010 3:20 PM

Thanks Nikolay for your instant replies. Well, Once I have added the Web Facet to Java Module, when I work in IntelliJ 9, the notification tab ask through the pop up that whether the same module to be added as web face? screen shot is attached as well

Attachments:



[screen-shot.JPG](#) (197.0 K)



Guest [13](#). Re: **How can i get a web modules deployment descriptors path ?** Feb 11, 2010 3:39 PM

These notifications come from automatic facet detection. When IDEA see web.xml file somewhere in sources it suggest you to create a Web Facet for that

How can i get a web modules deployment...

file. However if you've already created a Web facet for that web.xml via API the notification should not be shown for that file.

Thanks Nikolay for your instant replies. Well, Once I have added the Web Facet to Java Module, when I work in IntelliJ 9, the notification tab ask through the pop up that whether the same module to be added as web face? screen shot is attached as well

Original message URL: <http://www.jetbrains.net/devnet/message/5256500#5256500>

--

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