

How to check if build parameter is available in Jenkinsfile

I have a pipeline script that should work with and without parameters. So I have to check if the parameter is available.


I tried `if(getBinding().hasVariable("myparameter"))` but this leads to an Exception

```
org.jenkinsci.plugins.scriptsecurity.sandbox.RejectedAccessException: Scripts not permitted to use method groovy.lang.Binding getVariables
```

Is there another way to check if the job is parameterized?

jenkinsjenkins-pipeline


asked Jul 1 '16 at 12:30

 domruf

4392516

Newer versions make the parameters available through the `params` variable. If the parameter is not defined, it falls back to the configured default (see also [here](#)).

answered Feb 15 '17 at 8:45

 StephenKing

16.4k44173

In the latest version of jenkins `println(getBinding().hasVariable("myparameter"))` is permitted and does not give an error any more.

answered Jan 6 '17 at 12:36

 Steven

629610

Exactly what I was looking for thanks! – RyanG Jan 7 '17 at 2:46

Can you please update with which version was the latest version at your time of writing? – kskid19 Jan 19 at 17:07

See Getting Started with Pipeline, Build Parameters:

Build Parameters

If you configured your pipeline to accept parameters using the **Build with Parameters** option, those parameters are accessible as Groovy variables of the same name.

UPDATE

- ☒ *This build is parameterized* →

Add parameter

 → *String Parameter*:
 - Name*: `STRING_PARAMETER`
 - Default Value*: `STRING_PARAMETER_VALUE`
- Pipeline* → *Definition*: `Pipeline script` → *Script*:

```
def stringParameterExists = true
def otherParameterExists = true


try {
    println "  STRING_PARAMETER=$STRING_PARAMETER"
}
catch (MissingPropertyException e) {
    stringParameterExists = false
}

try {
    println "  NOT_EXISTING_PARAMETER=$NOT_EXISTING_PARAMETER"
}
catch (MissingPropertyException e) {
    otherParameterExists = false
}

println "  stringParameterExists=$stringParameterExists"
println "  otherParameterExists=$otherParameterExists"
```

Console Output:

```
[Pipeline] echo
  STRING_PARAMETER=STRING_PARAMETER_VALUE
[Pipeline] echo
  stringParameterExists=true
[Pipeline] echo
  otherParameterExists=false
[Pipeline] End of Pipeline
Finished: SUCCESS
```

- No. "echo myparameter" or "if(myparameter != null)" fail with "groovy.lang.MissingPropertyException: No such property: myparameter for class: groovy.lang.Binding" – domruf Jul 1 '16 at 14:24 
- @domruf You're right. I apparently confused something. See the update to my answer. – Gerold Broser Jul 1 '16 at 18:50
- 1 I found out that you can add method calls to a whitelist with wiki.jenkins-ci.org/display/JENKINS/Script+Security+Plugin. But that requires admin privileges. – domruf Jul 4 '16 at 16:45




From the documentation

If you configured your pipeline to accept parameters using the Build with Parameters option, those parameters are accessible as members of the params variable.

Assuming that a String parameter named "Greeting" has been configuring in the Jenkinsfile, it can access that parameter via `${params.Greeting}`

answered Apr 21 '17 at 8:33

lean_programmer

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