1 Jenkins Groovy CheatSheet

LANGUAGES

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• PDF Link: cheatsheet-jenkins-groovy-A4.pdf

 $\bullet \ \operatorname{Blog} \ \operatorname{URL}: \mathtt{https://cheatsheet.dennyzhang.com/cheatsheet-jenkins-groovy-A4}$

• Category: languages

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See more CheatSheets from Denny: #denny-cheatsheets

1.1 Jenkins Pipeline

Name	Comment
Specify parameter to run jobs	build job:'job1', parameters:[string(name:'name1', value:va1)]
Run job in different agents	<pre>node(\$agent_label) {}</pre>
Use boolean parameter	$if (is_{true} == "false") \{\}$
Ask for user input	<pre>stage('stage2'){ input "OK to go?" }</pre>
Actively fail current pipeline job	error("Build failed because of this and that")
Keep going when previous stage has failed	$keep_{goingwitherrors.groovy}$
Send slack notification in pipeline	$\operatorname{slack}_{\operatorname{notification.groovy}}$
validate user input: ip address	assert ip_address.matches(" $\d{1,3}\\\.\d{1,3}\\\.\d{1,3}\\\.\d{1,3}$ ")
Read Environment Variables	<pre>def env = System.getenv()</pre>

1.2 Array

Name	Comment
Iterate a list	(13).each { println "Number \${it}"}
Iterate a list	<pre>for(item in [1,2,3,4]){ println item }</pre>
Add item to list	def alist = [10, 9, 8]; alist « 7
List size	<pre>def alist = [10, 9, 8]; alist.size()</pre>

1.3 String

Name	Comment
Print stdout	echo 'Action is done'
Print stdout	println "Hello World"
Split string with delimiter	'1128-2'.tokenize ('-')

1.4 Integer

Name	Comment
Basic caculation	$def a = 3, b = 7; println "$a + $b = {a + b}"$

1.5 Dict/Hashmap/Map

Name	Comment
Create a map	<pre>def m = ['fruit':'Apple', 'veggie':'Carrot']</pre>
Add an item to map	<pre>m.put('denny','hello')</pre>
Check if key exists	<pre>m.containsKey('key1')</pre>

1.6 Files

Name	Comment
Read file content as a variable	<pre>def content = readFile("/tmp/test.txt")</pre>

1.7 More Resources

- groovy-lang.org: http://groovy-lang.org/documentation.html#gettingstarted
- https://jenkins.io/doc/

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