1 Jenkins Groovy CheatSheet   LANGUAGES

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

- Blog URL: https://cheatsheet.dennyzhang.com/cheatsheet-jenkins-groovy

- 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`
Run job in different agents	`node($agent_label) {...}`
Use boolean parameter	if (is_{true} == "false") {...}
Ask for user input	`stage('stage2'){ input "OK to go?" }`
Actively fail current pipeline job	`error("Build failed because of this and that..")`
Keep going when previous stage has failed	keep$_{going with errors.groovy}$
Send slack notification in pipeline	slack$_{notification.groovy}$
validate user input: ip address	`assert ip_address.matches("\\d{1,3}\\.\\d{1,3}\\`
Read Environment Variables	`def env = System.getenv()`

1.2 Array

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

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	`def m = ['fruit':'Apple', 'veggie':'Carrot']`
Add an item to map	`m.put('denny','hello')`
Check if key exists	`m.containsKey('key1')`

1.6 Files

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

1.7 More Resources

- groovy-lang.org: `http://groovy-lang.org/documentation.html#gettingstarted`

- `https://jenkins.io/doc/`

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