1   Jenkins Groovy CheatSheet   LANGUAGES

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

- Blog URL: 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	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$_{goingwitherrors.groovy}$
Send slack notification in pipeline	slack$_{notification.groovy}$
validate user input: ip address	assert ip_address.matches("\\d{1,3}\\.\\d{1,3}\\.\\d{1,3}\\.\\d{1,3}")
Read Environment Variables	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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