

Install Jmeter / Launch

Source - Download zip (http://jmeter.apache.org/download_jmeter.cgi)
Windows / Linux - Uncompress source file, then run 'cd <DIRECTORY>/bin/jmeter'
Docker - Run 'docker pull egaillardon/jmeter'

Plugin Manager / Suggested Plugins

Source - Download JAR (<http://jmeter-plugins.org/get>) copy to the Jmeter lib/ext

Custom Thread Groups	Perfmon (Servers Performance Monitoring)
Weighted Switch Controller	SSHMon Sample Collector
Dummy Sampler	Selenium/WebDriver Support
Random CSV Data Set	Siebel CRM Recorder
RTE Protocol Support	Websocket Samplers by Peter Doornborsh
SSH Protocol Support	IBM MQ Support
ElasticSearch backend listener	MQTT Protocol Support
Azure backend listener	JmeterPluginsCMD Command Line Tool
Blazemeter Jmeter Citrix plugin	Filter Results Tool
Parallel Controller & Sampler	AMQP Client

Shortcut keys (Common)

Duplicate	- CTRL+ SHIFT+C
Cut	- CTRL + X
Copy	- CTRL + C
Paste	- CTRL + V
Remove	- DELETE
Toddle	- CTRL + T
Clear all	- CTRL + E
Start	- CTRL + R
Search	- CTRL + F

Shortcut keys (Common)

Thread Group	- CTRL+ 0
HTTP Request	- CTRL + 1
Regex Extractor	- CTRL + 2
Response Asset	- CTRL + 3
Constant Timer	- CTRL + 4
JSR223 PostPro	- CTRL + 5
JSR223 PrePro	- CTRL + 7
Debug Sampler	- CTRL + 8
View Tree Result	- CTRL + 9

Shortcut keys (Remote)

Start all	- CTRL + SHIFT + R
Stop all	- ALT + X
Shutdown	- ALT + Z

Variables and Properties

Variable - \${Variable}
Property - \${__P(variable,default_value)}
Nested - \${__V(Var\${N})}

Jmeter CLI

-n Run headless -t test plan -l output log file -J local jmeter property -H Proxy host -P Proxy port

Basic

./jmeter -n -t testplan.jmx -l testresults.jtl

Advanced

./jmeter -n -H my.proxy.server -P 8000 -Jvu=400 -Jpacing=6000 -JRampup=60 -JRampDown=0 -JDuration=3600 -Jremote_hosts=10.0.0.1, 10.0.0.2 -t testplan.jmx -l testresults.jtl

Functions and Variables

Jmeter

Time	- \${__time(dd/MM/yyyy hh:mm:ss)}
UUID	- \${__UUID()}
Email (Random)	- \${__V(\${__UUID()})\${__Random(1,90000000,)}@gmail.com)}
Random	- \${__Random(0,10)}
Random Date	- \${__RandomDate(,2050-07-08,,)}
Random String	- \${__RandomString(10,abcdefg)}
Time shift	- \${__timeShift(dd/MM/yyyy,21/01/2018,P2D,,)}
Convert epoch	- \${__dateTimeConvert(1526574881000,,dd/MM/yyyy HH:mm,)}
Upper Case	- \${__changeCase(Avaro omnia desunt\, inopi pauca\, sapienti nihil,UPPER,)}
Lower Case	- \${__changeCase(LABOR OMNIA VINCIT IMPROBUS,LOWER,)}
URL encode	- \${__urlencode(Word "school" is "�cole" in french)}
URL decode	- \${__urldecode(Word+%22school%22+is+%22%C3%A9cole%22+in+french)}
Thread Num	- \${__threadNum}
Thread Group	- \${__threadGroupName}
Escape HTML	- \${__escapeHtml("bread" & "butter")}
Unescape HTML	- \${__unescapeHtml(<Fran�ccedil;ais>)}
CRLF	- \${__unescape(\r\n)}
Split	- \${__split(\${VAR},VAR,)}
Machine IP	- \${__machineIP}
Machine name	- \${__machineName}

Groovy

Properties put - props.put("protocol", "\${protocol}");
Properties get - props.get("protocol");

Beanshell

Nested Variables - \${__BeanShell(vars.get("Var\${N}"))}
JMeter get var - vars.get("HOST");
JMeter put var - vars.put("MSG", "Success");

Network Throttling with properties

cps = (target bandwidth in kbps * 1024) / 8

171 Kbits/second

jmeter -JhttpClient.socket.http.cps=21888 -JhttpClient.socket.https.cps=21888 -t testplan.jmx

Default value set to 0 in user.properties which means no restriction

httpClient.socket.http.cps=0
httpClient.socket.https.cps=0

HiDPI properties

jmeter.hidpi.mode=true	jsyntaxextraarea.font.family=Hack
jmeter.hidpi.scale.factor=2.0	jsyntaxextraarea.font.size=28
jmeter.toolbar.icons.size=48x48	
Jmeter.tree.icon.size=48x48	

JMETER TESTING CHEAT SHEET

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