

# Tweety 3rd Party Dependencies & Licenses

## Draft!

June 24, 2014

### Dependencies

Project	Dependency	Version	Maven	License
Tweety Core	JUnit	4.9	yes	EPL v1.0
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	JavaCC	2.6 (?)	yes	BSD
	Log4J	1.6.3	yes	Apache License v2.0
	JSPF	1.0.2	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	choco			
	cream			
	qoca			
	lpSolve	5.5.2	no	LGPL v2
	ojAlgo	35	yes	MIT License
Tweety Action	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	JSPF	1.0.2	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD

Tweety Agents	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
Tweety Agents Dialogues	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
Tweety Arg Deductive	JSPF	1.0.2	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Log4J	1.6.3	yes	Apache License v2.0
	SLF4J	1.6.3	yes	MIT License
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	jama	1.0.3	yes	Public Domain
	JSPF	1.0.2	yes	3-clause BSD
Arg Delp	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD

	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
Arg Dung	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	JSPF	1.0.2	yes	3-clause BSD
Arg Lp	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	JSPF	1.0.2	yes	3-clause BSD
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
Arg prob	JSPF	1.0.2	yes	3-clause BSD
	jama	1.0.3	yes	Public Domain
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD

Arg saf	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
beliefdynamics	JSPF	1.0.2	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	JSPF	1.0.2	yes	3-clause BSD
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
cli	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
commons	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JSPF	1.0.2	yes	3-clause BSD
	commons configuration	1.9	yes	
	commons lang	2.6	yes	
	commons log	1.1.1	yes	
	JUnit	4.9	yes	EPL v1.0

	hamcrest core	1.1	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
logics cl	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	JSPF	1.0.2	yes	3-clause BSD
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
logics commons	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
logics dl	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	Log4J	1.6.3	yes	Apache License v2.0
	SLF4J	1.6.3	yes	MIT License
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JSPF	1.0.2	yes	3-clause BSD

logics el	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	Log4J	1.6.3	yes	Apache License v2.0
	SLF4J	1.6.3	yes	MIT License
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
logics fol	JSPF	1.0.2	yes	3-clause BSD
	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
logics ml	JSPF	1.0.2	yes	3-clause BSD
	JavaCC	2.6 (?)	yes	BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
logics pcl	JSPF	1.0.2	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1

	JSPF	1.0.2	yes	3-clause BSD
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
logics pl	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JSPF	1.0.2	yes	3-clause BSD
	Lingeling	?	no	GPL (old)/Restricted (newer)
	MARCO	?	no	?
logics rcl	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	JSPF	1.0.2	yes	3-clause BSD
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
logics rpcl	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1

	JSPF	1.0.2	yes	3-clause BSD
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
logics translators	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	jama	1.0.3	yes	Public Domain
	JSPF	1.0.2	yes	3-clause BSD
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
lp asp	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	JSPF	1.0.2	yes	3-clause BSD
	jama	1.0.3	yes	Public Domain
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
lp asp beliefdynamics	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	Sat4J Core	2.3.4	yes	EPL v1.0 & LGPL v2.1
	JSPF	1.0.2	yes	3-clause BSD



	jama	1.0.3	yes	Public Domain
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
lp nlp	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	SLF4J	1.6.3	yes	MIT License
	Log4J	1.6.3	yes	Apache License v2.0
	commons math	2.1	yes	
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JSPF	1.0.2	yes	3-clause BSD
machine learning	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	Log4J	1.6.3	yes	Apache License v2.0
	SLF4J	1.6.3	yes	MIT License
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
math	JUnit	4.9	yes	EPL v1.0
	hamcrest core	1.1	yes	3-clause BSD
	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	Log4J	1.6.3	yes	Apache License v2.0
	SLF4J	1.6.3	yes	MIT License
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	lpSolve	5.5.2	no	LGPL v2
plugin	JSPF	1.0.2	yes	3-clause BSD

	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	Log4J	1.6.3	yes	Apache License v2.0
	SLF4J	1.6.3	yes	MIT License
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
preferences	Logback Core	0.9.30	yes	EPL v1.0 & LGPL v2.1
	Logback Classic	0.9.30	yes	EPL v1.0 & LGPL v2.1
	commons math	2.1	yes	
	Log4J	1.6.3	yes	Apache License v2.0
	SLF4J	1.6.3	yes	MIT License
	ojAlgo	35	yes	MIT License
	lbfgs	0.1	?	GPL v2+ & Apache License v2
	scala-library	2.10.3	yes	3-clause BSD
	JSPF	1.0.2	yes	3-clause BSD
	hamcrest core	1.1	yes	3-clause BSD
	JUnit	4.9	yes	EPL v1.0
web				

## Licences

**GNU General Public License (GPL)**

**GNU Lesser General Public License (LGPL)**

**Massachusetts Institute of Technology (MIT) License**

**Eclipse Public License (EPL)**

**Apache License**

**BSD License**

**BSD New/3-clause BSD License**