S1			
Application domain	Project	Source	Additional comments
Command-line tool	Ant (1.4,1.5,1.6,1.7)		
Development	Eclipse (2.0, 2.1,3.0)		
Text editor	jEdit (3.2, 4.0, 4.1, 4.2, 4.3)		
Indexing and search technology	Lucene (2.0, 2.2, 2.4)	PROMISE, AEEEM	OPEN SOURCE
API	Poi (1.5 , 2.0, 2.5, 3.0)		
	Velocity (1.4, 1.5, 1.6)		
XSLT processor	Xalan (2.4, 2.5, 2.6)		
Parse	Xerces (1.2, 1.3, 1.4)		

S2			
Application domain	Project	Source	Additional comments
Text Edior	Sakura Editor		OPEN SOURCE
Text Edior	jEdit		

S3			
Application domain	Project	Source	Additional comments
command-line tool	ant (1.3, 1.4, 1.5,1.6,1.7)		
integration framework	camel (1.0, 1.2, 1.4, 1.6)		
dependency manager	ivy (1.1, 1.4, 2.0)		
Text editor	jedit (3.2,4.0)	PROMISE	OPEN SOURCE
indexing and search technology	lucene (2.0,2.2,2.4)		
API	poi (1.5,2.0,2.5,3.0)		
Enterprise Service Bus (ESB)	synapse (1.0,1.1,1.2)		
	velocity (1.4, 1.5, 1.6)		

XSLT processor	xalan (2.4, 2.5, 2.6)		
Parse	xerces (init, 1.2,1.3,1.4)		

S4			
Application domain	Project	Source	Additional comments
Spacecraft instrument	CM1		
	JM1		
Storage management	KC1		
Storage management	KC3		
	MC1		
Video guidance system	MC2		
A zero gravity experiment	MW1	PROMISE	INDUSTRIAL, NASA
Flight software	PC1		
	PC2		
	PC3		
	PC4		
	PC5		

S5			
Application domain	Project	Source	Additional comments
command-line tool	ant (1.3, 1.4, 1.5,1.6,1.7)		
integration framework	camel (1.0, 1.2, 1.4, 1.6)		
dependency manager	ivy (1.1, 1.4, 2.0)	PROMISE	OPEN SOURCE
Text editor	jedit (3.2,4.0)		
indexing and search technology	lucene (2.0,2.2,2.4)		

API	poi (1.5,2.0,2.5,3.0)		
Enterprise Service Bus (ESB)	synapse (1.0,1.1,1.2)		
	velocity (1.4, 1.5, 1.6)		
XSLT processor	xalan (2.4, 2.5, 2.6)		
Parse	xerces (init, 1.2,1.3,1.4)		

S7			
Application domain	Project	Source	Additional comments
	KC1	PROMISE	INDUSTRIAL, NASA
Text editor	JEdit (2002-2007 , Project started in 1999 and release point for the project was identified in 2002		OPEN SOURCE

S8			
Application domain	Project	Source	Additional comments
	Ant 1.7		
	Camel 1.6		
	Ivy 2.0		
	Jedit 4.0		
	Log4j 1.2	PROMISE	OEPN SOURCE
	Lucene 2.4		
	Poi 3.0		
	Prop 6.0		
	Tomcat 6.0		
	Xalan 2.7		

S11			
Application domain	Project	Source	Additional comments
	Ant 1.7		
	Camel 1.6		
	Ivy 2.0		
	Jedit 4.0		
	Log4j 1.2	PROMISE	OPEN SOURCE
	Lucene 2.4		
	Poi 3.0		
	Prop 6.0		
	Tomcat 6.0		
	Xalan 2.7		

S13			
Application domain	Project	Source	Additional comments
Flight software for earth orbiting satellite	NASA-pc1		
Storage management for ground data	NASA-kc1		
Storage management for ground data	NASA-kc2	Promise	Industrial, NASA
Spacecraft instrument	NASA-cm1		
Storage management for ground data	NASA-kc3		

A zero gravity experiment related to combustion	NASA-mw1		
Video guidance system	NASA-mc2		
Embedded controller for white-goods	SOFTLAB-ar3		
Embedded controller for white-goods	SOFTLAB-ar4		Industrial, SOFTLAB
Embedded controller for white-goods	SOFTLAB-ar5		
Automated Build Tool	Ant(1.3,1.4,1.5,1.6,1.7)		
Integration Framework	Camel (1.0,1.2,1.4,1.6)		
dependency manager.	Ivy (1.1,1.4,2.0)		
Text Editor (Programming)	JEdit (3.2,4.0,4.1,4.2,4.3)		
Search Engine	Lucene (2.0,2.2,2.4)		
APIs for manipulating various file formats	poi (1.5,2.0,2.5,3.0)		Open Source
Enterprise Service Bus	synapse (1.0,1.1,1.2)		
creation and maintenance of open-source software	velocity (1.4,1.5,1.6)		
Advanced XML parser	xerces (init,1.2,1.3)		
transform XML documents	xalan (2.4,2.5,2.6,2.7)		
Academic	arc		Academic
Academic	berek		
logging utility	Log4j (1.0,1.1,1.2)		Open Source
Proprietary	Prop-1,Prop-2,Prop-3,Prop-4,Prop-5,Prop-6		Proprietary
Academic	redactor		
Academic	nieruchomosci		
Academic	pdftranslator		Academic
Academic	serapion		
Academic	skarbonka		

Academic	sklebagd		
Academic	termoproject		
Academic	workflow		
Academic	wspomaganiepi		
Web Server	tomcat		
publishing framework	forest (0.6,0.7,0.8)		Open Source
ORM	pbeans (1,2)		

S14			
Application domain	Project	Source	Additional comments
	KC1		
	KC2		
	KC3		
	CM1	PROMISE	INDUSTRIAL, NASA
	MW1		
	PC1		
	JM1		

S15			
Application domain	Project	Source	Additional comments
Embedded controller for white-goods	SOFTLAB-ar1	Promise	Industrial, SOFTLAB
Embedded controller for white-goods	SOFTLAB-ar3		

Embedded controller for white-goods	SOFTLAB-ar4		
Embedded controller for white-goods	SOFTLAB-ar5		
Embedded controller for white-goods	SOFTLAB-ar6		

S16			
	Project	Source	Additional comments
	NASA-pc1		
	NASA-kc1		
	NASA-pc3		
	NASA-cm1		
	NASA-kc3		
	NASA-mw1	Promise	Industrial, NASA
	NASA-mc2		
	NASA-jm1		
	NASA-kc4		
	NASA-mc1		
	NASA-pc2		
	NSAS-pc4		

S18			

Application domain	Project	Source	Additional comments
command-line tool	ant 1.3		
integration framework	camel 1.0		
Text Editor	jedit 3.2		
	log4j 1.0		
indexing and search technology	lucene 2.0		
API	poi 1.5		OPEN SOURCE
Enterprise Service Bus (ESB)	synapse 1.0	PROMISE	
	system		
	tomcat		
XSLT processor	xalan 2.4		
Parse	xerces init		
	arc		
	elearn		Academic
	redactor		
	prop-6		Proprietary

S20			
Application domain	Project	Source	Additional comments
Flight software for earth orbiting satellite	pc1		
Storage management for ground data	kc1		
Storage management for ground data	kc2		
Spacecraft instrument	cm1		INDUSTRIAL, NASA
Storage management for ground data	kc3	PROMISE	
A zero gravity experiment related to combustion	mw1		
Embedded controller for white-goods	ar4		INDUSTRIAL, SOFTLAB
Embedded controller for white-goods	ar3		

Video guidance system	mc2		INDUSTRIAL, NASA
Embedded controller for white-goods	ar5		INDUSTRIAL, SOFTLAB

S23			
Application domain	Project	Source	Additional comments
command-line tool	ant (1.3, 1.4, 1.5,1.6,1.7)	PROMISE	OPEN SOURCE
	arc		ACADEMIC
integration framework	camel (1.0, 1.2, 1.4, 1.6)		OPEN SOURCE
dependency manager	ivy (1.1, 1.4, 2.0)		
Text editor	jedit (3.2,4.0, 4.1, 4.2, 4.3)		
	log4j (1.0,1.1, 1.2)		
indexing and search technology	lucene (2.0,2.2,2.4)		
API	poi (1.5,2.0,2.5,3.0)		
	redaktor		ACADEMIC
Enterprise Service Bus (ESB)	synapse (1.0,1.1,1.2)		OPEN SOURCE
	tomcat		
	velocity (1.4, 1.5, 1.6)		
XSLT processor	xalan (2.4, 2.5, 2.6, 2.7)		
Parse	xerces (init, 1.2,1.3,1.4)		

S24			
Application domain	Project	Source	Additional comments
Web server	Apache HTTP Server (2.0)	RELINK	OPEN SOURCE
Security	OpenIntents Safe (Revision 1088–2073)		

Bar-code reader library	ZXing (1.6)		
OSGi framework	Equinox (EQ) (1.1.2005–6.25.2008)		
Development	Eclipse JDT Core (JDT) (1.1.2005–6.17.2008)	AEEEM	
Text search engine library	Apache Lucene (LC) (1.1.2005–10.8.2008)		
Task management	Mylyn (ML) (1.17.2005–3.17.2009)		
Development	Eclipse PDE UI (PDE) (1.1.2005–9.11.2008)		

S25			
Application domain	Project	Source	Additional comments
Flight softwrae	pc1		
Storage management	kc1		
Storage management	kc2		
Storage management	kc3		INDUSTRIAL, NASA
Spacecraft instrument	cm1	PROMISE	
A zero gravity experiment	mw1		
Video guidance system	mc2		
Embedded software	ar3		INDUSTRIAL, SOFTLAB
	ar4		
	ar5		

S26			
Application domain	Project	Source	Additional comments
Flight softwrae	pc1	PROMISE	INDUSTRIAL, NASA
Storage management	kc1		

Application domain	Project	Source	Additional comments
Storage management	kc2		
Storage management	kc3		
Spacecraft instrument	cm1		
A zero gravity experiment	mw1		
Video guidance system	mc2		
Embedded software	ar3		INDUSTRIAL, SOFTLAB
	ar4		
	ar5		

S27			
Application domain	Project	Source	Additional comments
Automated Build Tool	Ant(1.7)		
Integration Framework	Camel (1.6)		
dependency manager.	Ivy (2.0)		
Text Editor (Programming)	JEdit (4.1)		
Search Engine	Lucene (2.4)		
APIs for manipulating various file formats	poi (3.0)	Promise	Open Source
	Synapse (1.2)		
	Velocity (1.6)		
	xerces (1.3)		
transform XML documents	xalan (2.6)		
Proprietary	Prop1		
Proprietary	Prop2		
Proprietary	Prop3		Proprietary
Proprietary	Prop4		
Proprietary	Prop5		
Proprietary	Prop6		

S29			
Application domain	Project	Source	Additional comments
	Ant 1.7	Promise	Open Source
	Camel 1.6		
	XALAN 2.6		
	Apache HTTP Server 2.0	Relink	
	ZXing 1.6		
	OpenIntents Safe R1088-2073		
	Equinox 1.1.2005-6.25.2008	AEEEM	
	Eclipse JDT core(Eclipse) 1.1.2005-6.17.2008		
	Apache Lucence (Lucence) 1.1.2005-10.8.2008		
	Eclipse PDE UI (Pde) 1.1.2005-9.11.2008		
	Mylyn 1.17.2005-3.17.2009		

S30			
Application domain	Project	Source	Additional comments
Automated Build Tool	Ant(1.3,1.4,1.5,1.6,1.7)	Promise	Open Source

Integration Framework	Camel (1.0,1.2,1.4,1.6)
dependency manager.	Ivy (1.1,1.4,2.0)
Text Editor (Programming)	JEdit (3.2,4.0)
Search Engine	Lucene (2.0,2.2,2.4)
APIs for manipulating various file formats	poi (1.5,2.0,2.5,3.0)
Enterprise Service Bus	synapse (1.0,1.1,1.2)
creation and maintenance of open-source software	velocity (1.4,1.5,1.6)
Advanced XML parser	xerces (init,1.2,1.3,1.4)
transform XML documents	xalan (2.4,2.5,2.6)

S31			
Application domain	Project	Source	Additional comments
Operating system – Desktop market	Windows XP SP1	Microsoft, Closed Source	Commercial
Operating system – Server market	Windows Server 2003	Microsoft, Closed Source	Commercial

S37			
Application domain	Project	Source	Additional comments
OSGi framework	EQ	AEEEM	Open source
Development	JDT		
Text search engine library	LC		
Task management	ML		

Development	PDE		
Web server	Apache	ReLink	
Security	Safe		
Bar-code reader library	ZXing		
command-line tool	ant 1.3	MORPH	
	arc		
integration framework	camel 1.0		
API	poi 1.5		
	redaktor		
	skarbonka		
	tomcat		
	velocity 1.4		
XSLT processor	xalan 2.4		
Parse	xerces 1.2		
Spacecraft instrument	cm1	PROMISE	Industrial,NASA
A zero gravity experiment	mw1		
Flight softwrae	pc1		
Flight softwrae	pc3		
Flight softwrae	pc4		
	ar1		
Embedded software	ar3		Industrial,SOFTLAB
	ar4		
	ar5		
	ar6		

S38			
Application domain	Project	Source	Additional comments
command-line tool	ant (1.3, 1.4, 1.5,1.6,1.7)		
integration framework	camel (1.0, 1.2, 1.4, 1.6)		
	Forrest (0.6,0.7,0.8)	PROMISE	OPEN SOURCE
Text editor	jedit (3.2,4.0, 4.1,4.2,4.3)		
	prop (1,2,3,4,5,6)		
Enterprise Service Bus (ESB)	synapse (1.0,1.1,1.2)		

S39			
Application domain	Project	Source	Additional comments
Bug tracking used by the Mozilla projects	Bugzilla (BUG) 08/1998 - 12/2006		
open source email client for Unix-like operating systems and Windows	Columba (COL) 11/2002 - 07/2006		
GNU Image Manipulation Program	Gimp (GIP) 01/1997 - 06/2013		
tool plug-ins that implement a Java IDE supporting the development of any Java application, including Eclipse plug-ins.	Eclipse JDT (JDT) 05/2001 - 12/2007		OPEN SOURCE
software project management and comprehension tool.	Maven-2 (MAV) 09/2003 - 05/2012		

Mozilla is a free-software community-Collection	Mozilla (MOZ) 01/2000 - 12/2006		
full stack, Web application framework optimized for sustainable programming productivity	Ruby on Rails (RUB) 11/2004 - 06/2013		
Programming Language	Perl (PER) 12/1987 - 06/2013		
set of frameworks and common services that collectively make up infrastructure required to support the use of Eclipse as a componen	Eclipse Platform (PLA) 05/2001 - 12/2007		
RDBMS	PostgreSQL (POS) 07/1996 - 05/2010		
3D tool - create, edit, analyze, and translate NURBS curves, surfaces, and solids in Windows	Rhino (RHI) 04/1999 - 02/2013		

S40			
Application domain	Project	Source	Additional comments
Various	1385 projects from Google Code (454) and SourceForge (931) selected from 235K projects with life span less than 1 year	SourceForge, GoogleCode	OPEN SOURCE

Application domain	Project	Source	Additional comments
IDE	Eclipse		
Framework	Equinox		
indexing and search technology	Lucene		OPEN SOURCE
Task management	Mylyn		
Plug-in Development Environment	PDE		

S41			
Application domain	Project	Source	Additional comments
Spacecraft instrument	CM1		
A zero gravity experiment	MW1		INDUSTRIAL, NASA
Flight software	PC1	PROMISE	
Embedded controller	AR3		
Embedded controller	AR4		INDUSTRIAL,SOFTLAB
Embedded controller	AR5		
Web server	Apache HTTP Server (Apache) 2.0		
Security	OpenIntents Safe (Safe) (Revision 1088~2073)	ReLink	
Bar-code reader library	ZXing 1.6		
OSGi framework	Equinox (EQ) (1.1.2005–6.25.2008)		OPEN SOURCE
Development	Eclipse JDT Core (JDT) 3.4 (1.1.2005 - 6.17.2008)		
Text search engine library	Apache Lucene (LC) 2.4.0 (1.1.2005 - 10.8.2008)	AEEEM	
Task management	Mylyn (ML) (1.17.2005–3.17.2009)		
Development	Eclipse PDE UI (PDE) (1.1.2005–9.11.2008)		

S42			
Application domain	Project	Source	Additional comments
Automated Build Tool	Ant(1.7)		
Integration Framework	Camel (1.6)		
dependency manager.	Ivy (2.0)		
Text Editor (Programming)	JEdit (4.0)		
Search Engine	Lucene (2.2)		Open Source
APIs for manipulating various file formats	poi (2.0)	Promise	
logging utility	Log4j		
Proprietary	Prop6		Proprietary
Web server	Tomcat		Open Source
transform XML documents	xalan (2.6)		

S45			
Application domain	Project	Source	Additional comments
Spacecraft instrument	cm1		
Storage management for ground data	kc1		
Storage management for ground data	kc2		
Storage management	kc3	PROMISE	INDUSTRIAL,NASA
Video guidance system	mc2		
A zero gravity experiment related to combustion	mw1		
Flight software for earth orbiting satellite	pc1		

S45			
Application domain	Project	Source	Additional comments
command-line tool	ant 1.3		OPEN SOURCE
	arc		ACADEMIC
integration framework	camel 1.0		OPEN SOURCE
	e-Learning		ACADEMIC
Text editor	jedit 3.2		
	log4j 1.0		OPEN SOURCE
indexing and search technology	lucene 2.1		
API	poi 1.5	PROMISE	
customer solutions	prop-6		PROPRIETARY
	redaktor		ACADEMIC
Enterprise Service Bus (ESB)	synapse 1.0		
	systemdata		
	tomcat		OPEN SOURCE
XSLT processor	xalan 2.4		
Parse	xerces init		

S46			
Application domain	Project	Source	Additional comments
Flight software for earth orbiting satellite	PC4	Promise	Industrial, NASA
Combustion experiment of a space shuttle	MC1		

dynamic simulation for attitude control system	PC2		
Storage management for ground data	NASA-kc3		
A zero gravity experiment related to combustion	NASA-mw1		
Video guidance system	NASA-mc2		
Flight software for earth orbiting satellite	NASA-pc3		