

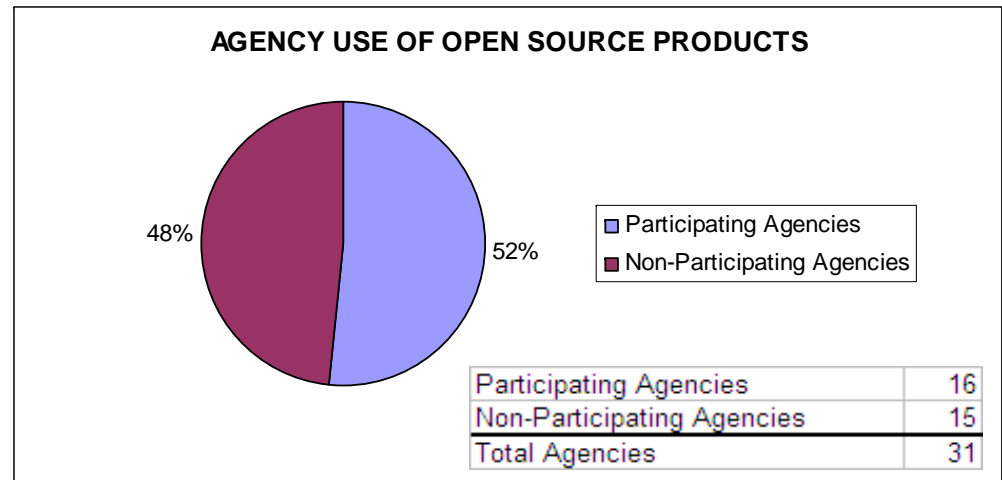
STATE OF OREGON
 AGENCY USE OF OPEN SOURCE PRODUCTS
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Oregon Open Source Inventory Results

An Open Source Community of Practice Update
 Report

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STATE OF OREGON OPEN SOURCE SOFTWARE INVENTORY PROJECT

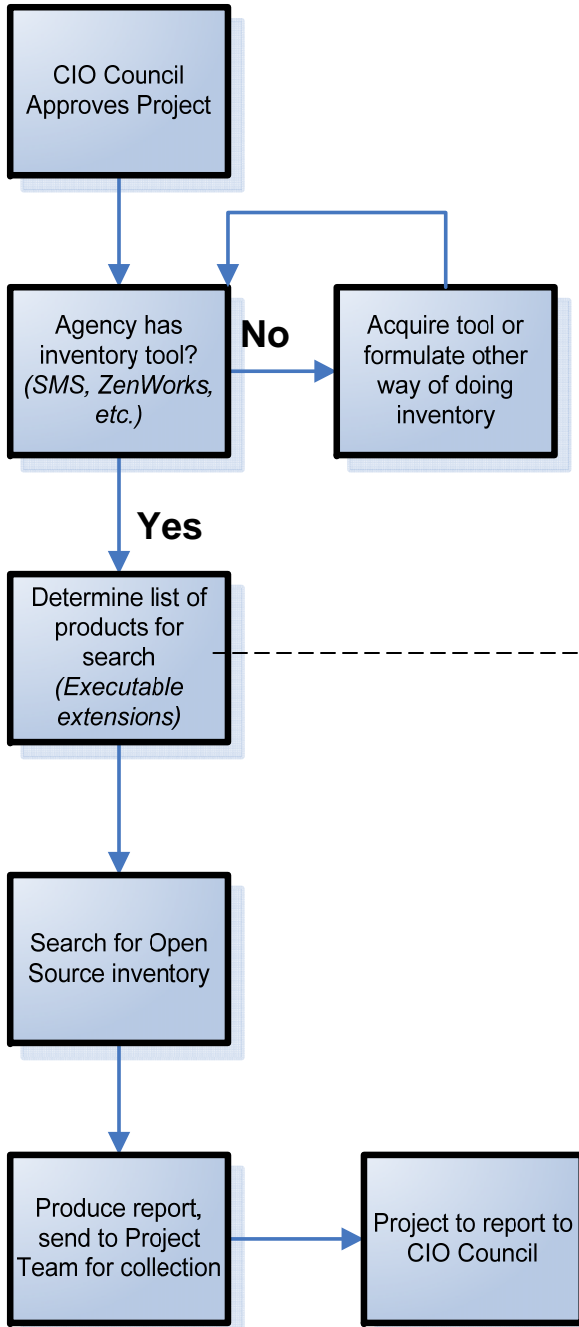
The data gleaned from the participating agencies provides a partial view of information that is indicative of “real” usage of open source software products within State of Oregon agencies. The number of instances is based upon how many have installed each product. The product may not have been used or is no longer in use but was factored into the totals. Because of this inexact data, it is difficult to get accurate counts about usage. The data does reflect, in a general way, which agencies are utilizing open source software and which products and product categories have been used.

Some of the reporting agencies did not provide complete data. For example, PERS did not give number of instances so only one instance per type was used for statistical purposes. This will distort their numbers but still indicates they are using open source products as well as which ones. Other reporting agencies provided instance counts with a greater than > or plus + sign. The base count was used. The information gathered by the sixteen reporting agencies provides a high-level, general look at State of Oregon open source software usage.

Open-Source Inventory Work Plan

Work Plan	Deliverable	Responsible Party	Milestone
	Conduct Kick off: Open Source Inventory Initiative	Ben Berry, ODOT	12/1/2006
	Develop form for inventory data by agency	Helen Baldwin	1/4/2007
	Identify contacts for each agency.	Bill Crowell, Helen Baldwin	1/19/2007
	Meeting to Finalize Kick-off	Bill Crowell	1/23/2007
	Meet with Mark Reyer to review packet to agencies.	Virginia Alster	2/9/2007
	Send form and procedures for capturing data to each agency contact.	Helen Baldwin	2/23/2007
	Identify agencies that have inventory tools.	Helen Baldwin	2/26/2007
	Begin open source inventory gathering by all agencies.	Agency Contacts	2/28/2007
	Follow-up with agencies without inventory tools.	Virginia Alster	3/15/2007
	Finish inventory gathering	Agency Contacts	3/28/2007
	Completion of SDC Server Report	Mark Reyer	4/30/2007
	Correlate all agencies' data into one report for CoP, ODOT & SDC	Virginia Alster, Helen Baldwin	5/2/2007
	Meet with SDC to set criteria for their report	Virginia Alster	5/3/2007
	Present findings to CoP	Ben Berry	9/18/2007
	Present findings to CIO Management Council	Ben Berry, Virginia Alster, Helen Baldwin	5/9/2007
	Make presentation to CIO Council	Ben Berry, Virginia Alster	5/29/2007

Start



Oregon State Government Open Source Inventory Process Map

The Open-Source Stacks: Growing Up

	Products	Maturity
Enterprise Applications	SugarCRM, Compiere, Ohceedge	★
Collaboration	Zopa, phpBB, Nukeas, PostNuke	★★
Content Management	Midgard, OpenCMS, Lenya, Typo3, Red Hat	★★★
Presentation	Jetspeed, Gluecode, Zopa, uPortal, Liferay	★★
Search	Lucene, hit//Dig	★★
Process Management	Openitw	★
Development Tools	Eclipse, NetBeans, PHP, Perl, Struts, Hibernate, Spring	★★★★★
Integration Services	Openadaptor	★
Enterprise Service Bus	Cellix, ServiceMix	★
Application Servers	JBoss, JonAS,	★★★
Directory Services	OpenLDAP	★★★
RDBMS	MySQL, PostgreSQL, Firebird, Ingres	★★
Security	Snort, Nessus	★★★★
Operating System	Linux, FreeBSD	★★★★
Virtualization	Xen	★★

Gartner

ODOT Open Source Solutions

Differentiator	Products	Maturity	Instances
Application Servers	• JBoss	2	1
Collaboration	• Jitsi	2	1
DBMS	• PostgreSQL	2	1
Development Tools	• Eclipse	2	1
Integration Services	• Openadaptor	1	1
Presentation	• Jitsi	2	1
Operating System	• Linux	2	1
Virtualization	• Xen	2	1

End

The Open-Source Stacks: Growing Up

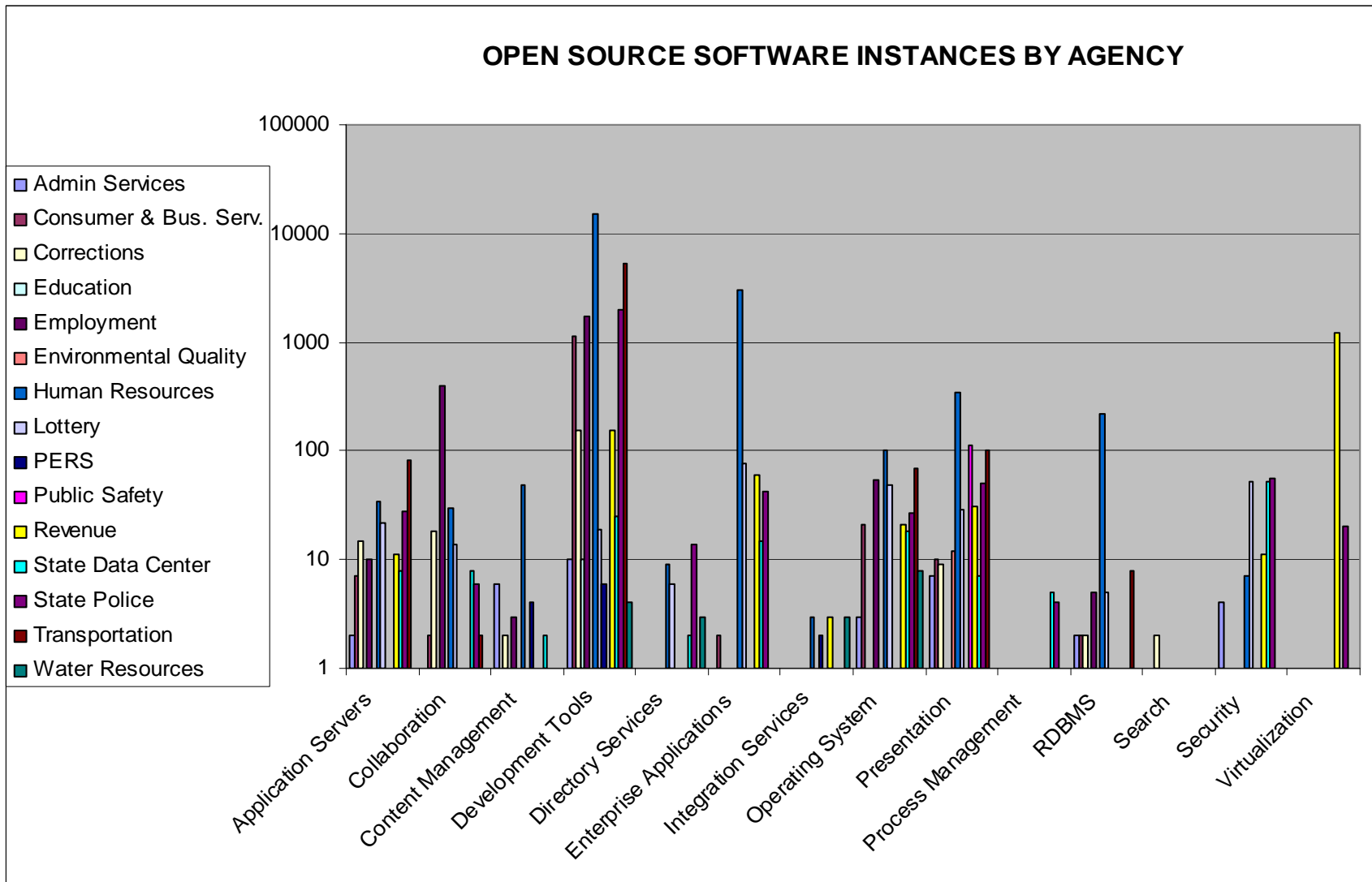
	Products	Maturity
Enterprise Applications	SugarCRM, Compiere, Ohioedge	★
Collaboration	Zope, phpBB, Nukes, PostNuke	★★
Content Management	Midgard, OpenCMS, Lenya, Typo3, Red Hat	★★★
Presentation	Jetspeed, Gluecode, Zope, uPortal, Liferay	★★
Search	Lucene, ht://Dig	★★
Process Management	Openflow	★
Development Tools	Eclipse, NetBeans, PHP, Perl, Struts, Hibernate, Spring	★★★★★
Integration Services	Openadaptor	★
Enterprise Service Bus	Celtix, ServiceMix	★
Application Servers	JBoss, JonAS,	★★★
Directory Services	OpenLDAP	★★★
RDBMS	MySQL, PostgreSQL, Firebird, Ingres	★★
Security	Snort, Nessus	★★★★
Operating System	Linux, FreeBSD	★★★★
Virtualization	Xen	★★

Open-Source SW Instances by Oregon Reporting Agency

Gartner Open Source Categories

AGENCY	Application Servers	Collaboration	Content Management	Development Tools	Directory Services	Enterprise Applications	Integration Services	Operating System	Presentation	Process Management	RDBMS	Search	Security	Virtualization	Grand Total
Admin Services	2		6	10			1	3	7		2		4		35
Consumer & Bus. Serv.	7	2		1122		2		21	10		2				1166
Corrections	15	18	2	154					9		2	2			202
Education		1		10											11
Employment	10	400	3	1728				54			5		1		2201
Environmental Quality	1	1							12				1		15
Human Resources	34	30	48	15247	9	2984	3	101	340		221		7		19024
Lottery	22	14	1	19	6	77	1	49	29	1	5		53		277
PERS			4	6			2		1			1	1		15
Public Safety									113						113
Revenue	11	1	1	157		61	3	21	31				11	1200	1497
State Data Center	8	8	2	25	2	15		18	7	5			52		142
State Police	28	6		2016	14	42		27	50	4	1		55	20	2263
Transportation	82	2		5355			1	68	101		8				5617
Water Resources	1			4	3		3	8							19
Grand Total	221	483	67	25853	34	3181	14	370	710	10	246	3	185	1220	32597

Open-Source SW Instances by Agency

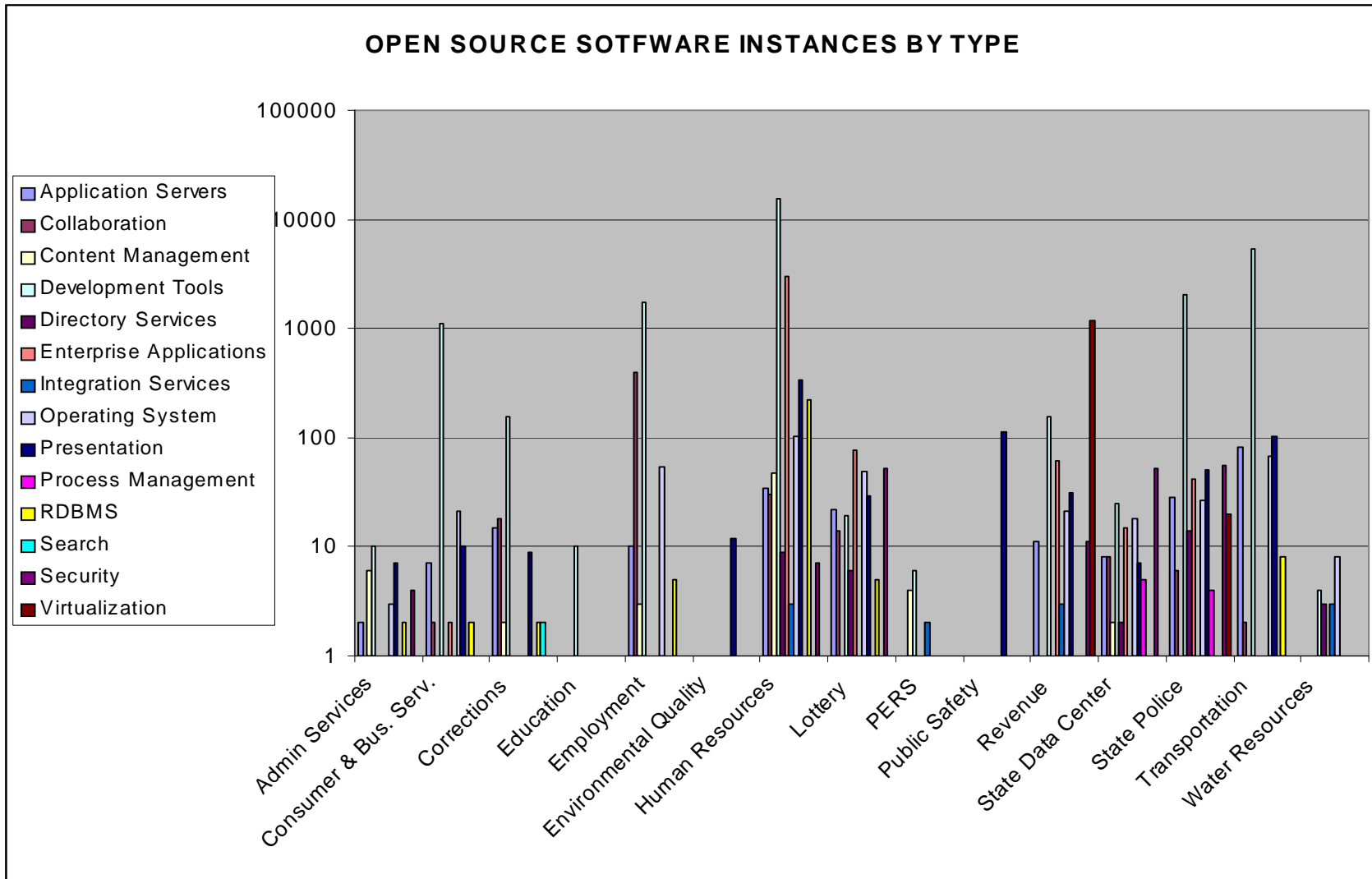


Open-Source SW Instances by Category Type

Oregon Reporting Agencies

SOFTWARE CATEGORY	Admin Services	Consumer & Bus. Serv.	Corrections	Education	Employment	Environmental Quality	Human Resources	Lottery	PERS	Public Safety	Revenue	State Data Center	State Police	Transportation	Water Resources	Grand Total
Application Servers	2	7	15		10	1	34	22			11	8	28	82	1	221
Collaboration		2	18	1	400	1	30	14			1	8	6	2		483
Content Management	6		2		3		48	1	4		1	2				67
Development Tools	10	1122	154	10	1728		15247	19	6		157	25	2016	5355	4	25853
Directory Services							9	6				2	14		3	34
Enterprise Applications		2					2984	77			61	15	42			3181
Integration Services	1						3	1	2		3			1	3	14
Operating System	3	21			54		101	49			21	18	27	68	8	370
Presentation	7	10	9			12	340	29	1	113	31	7	50	101		710
Process Management								1				5	4			10
RDBMS	2	2	2		5		221	5					1	8		246
Search			2						1							3
Security	4				1	1	7	53	1		11	52	55			185
Virtualization											1200		20			1220
Grand Total	35	1166	202	11	2201	15	19024	277	15	113	1497	142	2263	5617	19	32597

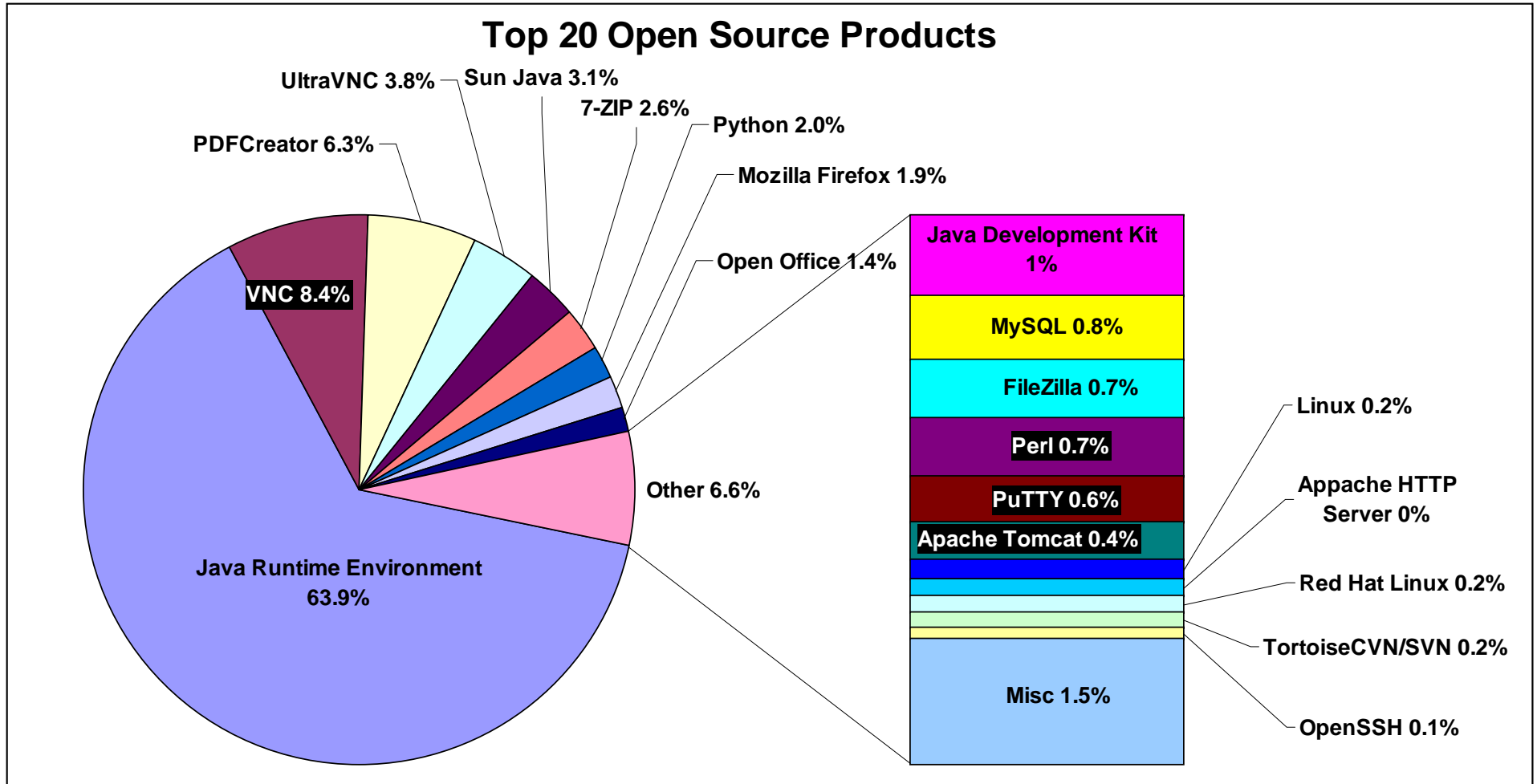
Open-Source SW Instances by Type



Organization	CIO Council Name's	Title
Department of Administrative Services	Bret West	Administrator, DAS Operations Division
Department of Administrative Services	Dugan Petty	Interim Administrator
Department of Agriculture		
Construction Contractors Board	Shelly Wiles	Information Technology Manager
Department of Consumer and Business Services	Dan Adelman	Administrator, Information Management Division
Department of Corrections	John Koreski	Assistant Director, Information Systems and Services Division
Department of Education	Baron Rodriguez	Director, Technology and Information Resource Management
Employment Department	Kathryn Naugle	Deputy Chief Information
Department of Environmental Quality	Mitch West	Manager, Business Systems Development
Department of Fish and Wildlife	Doug Juergensen	Administrator, Information Systems Systems Division
Department of Forestry	Sandy Jefferson	Director, Information Technology Program
Housing & Community Services	Bill Carpenter	Administrator, Information Services Division
Department of Human Services	Bill Crowell	Chief Information Officer
Judicial Department	Sarah Gates	Filling in
Department of Justice	Marc Williams	Chief Information Officer
Oregon Association of Government Information Technology Managers	Tony Black Ken Sigismund	Chief Information Officer, Lane County Chief Information Officer, Washington County
Oregon Liquor Control Commission	Mark Hall	Director, Information Services
Oregon State Lottery	John Margaronis	Chief Information Officer
Oregon State Treasury	Ron Pope	Director of Information Systems
Oregon University System	Curt Pederson	Chief Information Officer
Oregon Youth Authority	Jill Petersen	Information Systems Manager
Parks and Recreation Department	Kathy Dryden	IS Manager
Public Employees Retirement System	Jeff Marecic	Administrator, Information Systems Division
Dept of Public Safety Standards & Training	Lloyd Lowry	Information Systems Director
Public Utility Commission	Vikie Bailey-Goggins	Administrator, Regulatory Operations Division
Department of Revenue	Stan McClain	Chief Information Officer
Secretary of State	Julie Pearson	Chief Information Officer
Department of State Police	David Yandell	Director, Law Enforcement Data System
Department of Transportation	Ben Berry	Chief Information Officer
Department of Veterans' Affairs	Herb Riley	Administrator, Administrative Services Division

State Government Open Source Inventory Initiative Membership

Open-Source SW Products



Open-Source SW Products

Product	Total	%	Product	Total	%	Product	Total	%	Product	Total	%
Java Runtime Environment	20515	63.8%	Ad Aware	13	0.0%	VIM	4	0.0%	DHCP	1	0.0%
VNC	2709	8.4%	Subversion	13	0.0%	WinSCP	4	0.0%	Dia	1	0.0%
PDFCreator	2014	6.3%	Wireshark	12	0.0%	CD Burner XP Pro	3	0.0%	Diki Wiki	1	0.0%
UltraVNC	1214	3.8%	Cygwin	11	0.0%	CVS	3	0.0%	Drupal	1	0.0%
Sun Java	1000	3.1%	NetBeans IDE	11	0.0%	Fedora Core	3	0.0%	FireWall Builder	1	0.0%
7-ZIP	834	2.6%	GAIM	10	0.0%	GNU Grep	3	0.0%	Gnome	1	0.0%
Python	636	2.0%	Mozilla Thunderbird	10	0.0%	ImageMagick	3	0.0%	GNU Aspell	1	0.0%
Mozilla Firefox	604	1.9%	Open SSH	10	0.0%	kde	3	0.0%	Gnu Make	1	0.0%
Open Office	463	1.4%	Password Safe	10	0.0%	Nagios	3	0.0%	GnuWin32: Bison	1	0.0%
Java Development Kit	319	1.0%	StarUML	10	0.0%	PostGreSQL	3	0.0%	Helix	1	0.0%
MySQL	244	0.8%	Struts	10	0.0%	RSSOWL	3	0.0%	IRM Inventory	1	0.0%
FileZilla	230	0.7%	True Crypt	10	0.0%	WINMERGE	3	0.0%	Jabber	1	0.0%
Perl	222	0.7%	Apache Ant	9	0.0%	BIND	2	0.0%	Jakarta Tomcat Connector	1	0.0%
PuTTY	178	0.6%	Exadel	9	0.0%	CopSSH	2	0.0%	JBoss Portal	1	0.0%
Apache Tomcat	141	0.4%	R for Windows	9	0.0%	Crimson Editor	2	0.0%	Jmagick	1	0.0%
Linux	76	0.2%	Selenium	9	0.0%	CruiseControl	2	0.0%	jTDS JDBC Driver	1	0.0%
Apache HTTP Server	67	0.2%	TestNG	9	0.0%	FWTK	2	0.0%	Nedi	1	0.0%
Red Hat Linux	65	0.2%	The Grinder	9	0.0%	GNU Privacy Guard	2	0.0%	Net Disco	1	0.0%
TortoiseCVN/SVN	56	0.2%	GIMP	8	0.0%	GNUCC	2	0.0%	NetDisco	1	0.0%
OpenSSH	45	0.1%	nmap	8	0.0%	GnuWin32: GSAR	2	0.0%	Netscape	1	0.0%
MRTG	41	0.1%	SendMail	8	0.0%	GnuWin32: GZIP	2	0.0%	NTOP	1	0.0%
AppExceptionHandler	40	0.1%	Snort	8	0.0%	ICSharpCode	2	0.0%	Open NMS	1	0.0%
Eclipse	38	0.1%	SSH	8	0.0%	IPTables	2	0.0%	OpenSUSE 10.2	1	0.0%
Castor XML	34	0.1%	tcpdump	8	0.0%	JBoss Application Server	2	0.0%	Opera	1	0.0%
Exodus	30	0.1%	gzip	6	0.0%	Junit	2	0.0%	Ophcrack	1	0.0%
PHP	28	0.1%	Nessus	6	0.0%	krdc	2	0.0%	Postfix	1	0.0%
SUSE Linux	27	0.1%	OpenLDAP	6	0.0%	Lucene	2	0.0%	Process Explorer	1	0.0%
EtherReal	23	0.1%	OpenSSL	6	0.0%	MediaWiki	2	0.0%	RUBY	1	0.0%
GTK+	21	0.1%	RedMon	6	0.0%	NOTEPAD++	2	0.0%	Scrutinizer	1	0.0%
ORMAP Toolbar	20	0.1%	Spark Instant Messenger	6	0.0%	OpenNMS	2	0.0%	sed	1	0.0%
WinPCap	20	0.1%	VMS Server	6	0.0%	Asset Navigator	1	0.0%	SISSy	1	0.0%
PrimoPDF	19	0.1%	Audacity	5	0.0%	Atutor	1	0.0%	Stunnel	1	0.0%
Hibernate	15	0.0%	Fedora Linux	5	0.0%	Awk	1	0.0%	SysInternal	1	0.0%
Jasper Reports	15	0.0%	GCC	5	0.0%	Base	1	0.0%	TCL/TK	1	0.0%
JSF	15	0.0%	KDIFF3	5	0.0%	Big Brother	1	0.0%	WeatherMapRRD	1	0.0%
Log4J	15	0.0%	OpenSTA	5	0.0%	Blat	1	0.0%	Web Services - Axis	1	0.0%
Spring	15	0.0%	Samba	5	0.0%	Bugzilla	1	0.0%	Webalizer	1	0.0%
WinCVS	15	0.0%	SugarCRM	5	0.0%	Bview	1	0.0%	WeebleFM	1	0.0%
ActivePerl	14	0.0%	BlueJ	4	0.0%	Cake	1	0.0%	Wildfire	1	0.0%
AFPL GHOSTSCRIPT	14	0.0%	GNU Ghostscript	4	0.0%	CheckStyle	1	0.0%	WS FTP	1	0.0%
LDAP	14	0.0%	jEdit	4	0.0%	Core FTP Lite	1	0.0%	Xerces	1	0.0%
Rsync	14	0.0%	Joomla	4	0.0%	CUPS	1	0.0%	Xming Server	1	0.0%
Spybot	14	0.0%	Open VPN	4	0.0%	CVSNT	1	0.0%	Zend	1	0.0%
			Request Tracker	4	0.0%	DB Visualizer	1	0.0%	Grand Total	32133	100.0%

Open-Source SW Products

SW Category	SW Product	Total	SW Category	SW Product	Total	SW Category	SW Product	Total	SW Category	SW Product	Total
Application Servers	Apache Tomcat	141	Development Tools (cont)	Subversion	13	Directory Services	LDAP	14	Presentation	Mozilla Firefox	604
	Apache HTTP Server	67		NetBeans IDE	11		R for Windows	9		ORMAP Toolbar	20
	WinPCap	6		StarUML	10		OpenLDAP	6		Prim oPDF	19
	OpenSSL	2		True Crypt	10		BIND	2		AFPL GHOSTSCRIPT	14
	MySQL	2		Struts	10		krdc	2		Rsync	14
	JBoss Application Server	2		Apache Ant	9		DHCP	1		Mozilla Thunderbird	10
	Xming Server	1		Exadel	9		Enterprise Applications	PDFCreator		2014	GIMP
Collaboration	Open Office	463	The Grinder	9	7-ZIP	834		Audacity	5		
	GAIM	10	TestNG	9	FileZilla	230		GNU Ghostscript	4		
	Spark Instant Messenger	6	Selenium	9	MRTG	41		CD Burner XP Pro	3		
	MediaWiki	2	gzip	6	Xodus	30		ImageMagick	3		
	Diki Wiki	1	GCC	5	SendMail	8		WINMERGE	3		
Helix	1	OpenSSL	4	RedMon	6	Opera		1			
Content Management	TortoiseCVN/SVN	42	jEdit	4	SugarCRM	5		Bview	1		
	KDIFF3	6	BlueJ	4	Nagios	3		Jmagick	1		
	Joomla	4	CVS	3	Webalizer	1		Process Management	Request Tracker	3	
	VIM	4	kde	3	NetDisco	1	OpenNMS		2		
	GNU Grep	3	Crimson Editor	2	Nedi	1	Net Disco		1		
	RSS OWL	3	CruiseControl	2	Netscape	1	Scrutinizer		1		
	Awk	1	ICSharpCode	2	WebbleFM	1	W ildfire		1		
	sed	1	NOTEPAD++	2	Jabber	1	WeatherMapRRD	1			
	GNU Aspell	1	Junit	2	IRM Inventory	1	Open NMS	1			
	Drupal	1	GNUCC	2	NTOP	1	RDBMS	MySQL	242		
	Dia	1	WinSCP	1	Request Tracker	1		PostgreSQL	3		
	Blat	1	GnuWin32: Bison	1	Atutor	1		iTDS JDBC Driver	1		
	Development Tools	Java Runtime Environment	20515	Gnu Make	1	Integration Services	OpenSTA	5	Search	Lucene	2
		VNC	2709	Gnome	1		Samba	5		Process Explorer	1
Sun Java		1000	SysInternal	1	Asset Navigator		1	Security	OpenSSH	45	
Python		636	RUBY	1	Postfix		1		EtherReal	23	
Java Development Kit		319	Xerces	1	Eclipse		1		Spybot	14	
Perl		222	DB Visualizer	1	CUPS	1	Ad Aware		13		
AppExceptionHandler		40	CVSNT	1	Operating System	PuTTY	178		Wireshark	12	
Eclipse		37	TCL/TK	1		Linux	76		Open SSH	10	
Castor XML		34	WS FTP	1		Red Hat Linux	65		Password Safe	10	
PHP		28	Jakarta Tomcat Connector	1		SUSE Linux	27	nmap	8		
GTK+		21	Core FTP Lite	1		Cygwin	11	Snort	8		
Hibernate		15	CheckStyle	1		Fedora Linux	5	tcpdump	8		
Jasper Reports		15	SISSy	1		Fedora Core	3	SSH	8		
JSF		15	Cake	1		GnuWin32: GSAR	2	Nessus	6		
Log4J		15	Bugzilla	1		GnuWin32: GZIP	2	Open VPN	4		
WinCVS		15	Zend	1		OpenSUSE 10.2	1	WinSCP	3		
Spring		15	Web Services - Axis	1			WinSSH	2			
ActivePerl		14	JBoss Portal	1			IP Tables	2			
WinPCap		14					GNU Privacy Guard	2			
TortoiseCVN/SVN		14					FWTK	2			
							Stunnel	1			
							Ophcrack	1			
							FireWall Builder	1			
							Big Brother	1			
							Base	1			
							Virtualization	UltraVNC	1214		
								VMS Server	6		
							Grand Total		32597		