

Open Source Products for Government and Academic

1. Open Source Application Environment			
1a	Web Server	Apache	http://www.apache.org/
		Nginx	http://wiki.nginx.org/Main
1b	Application server / Middleware	Node.js	http://nodejs.org/
		Apache	http://www.apache.org/
		Tomcat	http://jakarta.apache.org/
		Jboss	https://www.jboss.org/overview/
1c	Web Development Language	PHP	http://php.net/
		J2ee/OpenJDK	http://www.java.com/en/
		Python	http://www.python.org/
		Jquery	http://jquery.com/
		HTML5	http://www.w3schools.com/html/html5_ intro.asp
1d	Web Application Framework	CakePHP	http://cakephp.org/
		CodeIgniter	https://ellislab.com/codeigniter
		Symfony	http://symfony.com
		Groovy on Grails	http://grails.org/
		OpenERP	https://www.openerp.com
		Drupal	https://drupal.org/
		Spring	http://www.springframework.org/
		Django	https://www.djangoproject.com/
		Rails	http://rubyonrails.org/
		MooTools	http://mootools.net/
		Dojo Toolkit	http://dojotoolkit.org/
		Apache CXF	cxf.apache.org/
1e	WorkFlow Engine	Joget	http://www.joget.org/
		Activiti	http://www.activiti.org/
		JBPM	http://jbpm.jboss.org/
1f	Web CMS Portal	WordPress	http://wordpress.com/
		Drupal	https://drupal.org/
		Plone	http://plone.org/
		Joomla	http://www.joomla.org/
		Liferay	https://www.liferay.com
1g	Application Development IDE and tools	Notepad Plus Plus	http://notepad-plus-plus.org/
		Netbeans	https://netbeans.org/
		Eclipse	http://www.eclipse.org/
		GEdit	https://projects.gnome.org/gedit/
1h	ImageEditor	GIMP	http://www.gimp.org/
	Entity relationship diagrams, UML diagrams, flowcharts	DIA	https://projects.gnome.org/dia/
	Web Design	NVU	http://www.nvu.com/
2. Application Testing and Other tools			
2a	Application Load	OpenSTA	http://opensta.org/

	Testing			
	Java Load testing	JUnit	http://junit.org/	
		Jmeter		
		JUnit		
		PHPUnit		
2b	Web App Testing	Firebug	https://getfirebug.com/	
		PageSpeed	https://developers.google.com/speed/pagespeed/	
		Yslow	http://developer.yahoo.com/yslow/	
		Selenium	http://docs.seleniumhq.org/	
2c	App Security Testing	OwaspWebScarab	https://www.owasp.org/	
3.Reporting /Charts/Graphs Tool				
3a	Reporting tool and reporting servers	BiRT	http://www.eclipse.org/birt/phoenix/	
		Datavision	http://datavision.sourceforge.net/	
		Jasper Reports	http://community.jaspersoft.com/	
		SpagoBI		
3b	Chart Tool	JFreeChart	http://www.jfree.org/jfreechart/	
		D3.js	http://d3js.org/	
4.Project Management /Issue Tracking and Testing				
4a	Issue tracking system	Trac	http://trac.edgewall.org/	
4b	Bug-Tracking System	BugZilla	http://www.bugzilla.org/	
4c	Project Management	DotProject	http://www.dotproject.net/	
		Redmine	http://www.redmine.org/	
4d	HelpDesk	OTRS	http://www.otrs.com/en/	
		OSTicket	http://osticket.com/	
4e	Request Tracker	Request Tracker	http://bestpractical.com/	
4f	Version Control	Apache Subversion	http://subversion.tigris.org/	
		GIT	http://git-scm.com/	
4g	Documentation for Languages	doxygen	http://www.stack.nl/~dimitri/doxygen/	
4h	Compare and sync two files	winmerge	http://winmerge.org/	
4i	Search tool - Find and replace	wingrep	http://www.wingrep.com	
5.Bundled Development platform				
5a	Development platform	XAMPP	www.apachefriends.org/en/xampp.html	
		WAMP	http://www.wampserver.com/en/	
6.Application Job Scheduler and Configuration Management				
6a	Job scheduler	Quartz	http://quartz-scheduler.org/	
6b	Configuration Management	Puppet	https://puppetlabs.com/	
7.Open Source Geographic Information System (GIS)				
7a	Desktop geographic information systems	Quantum GIS (OGIS)	http://www.qgis.org/	
		gvSIG	http://www.gvsig.org/	
7b	GIS Database server	PostGIS	http://postgis.net/	

7c	GIS Web /Internet server	MapServer	http://mapserver.org/	
		Geo Server	http://geoserver.org/	
7d	Free Roadmap	OpenStreetMap	http://www.openstreetmap.org	
8.Mobile Application Development				
8a	Mobile Application framework	PhoneGap	http://phonegap.com/	
		Jquery Mobile	http://jquerymobile.com/	
		Rhodes	http://rhomobile.com	
		Senha Touch	http://www.sencha.com/products/touch/	
9.Open Source Database				
9a	RDBMS	MySQL	www.mysql.com	
		MariaDB	mariadb.org	
		Postgres	www.postgresql.org	
		SQLite	www.sqlite.org	
9b	NoSQL DBMS	MongoDB	www.mongodb.org	
		Cassandra	cassandra.apache.org	
		Apache CouchDB	couchdb.apache.org	
		Apache Hbase	hbase.apache.org	
10.Open Source Shared File System and Network attached Storage				
10a	Share File systems and Distributed File Servers	NFS	http://en.wikipedia.org/wiki/Network_File_System	
		SAMBA	http://www.samba.org	
		Ceph	http://ceph.com/	
		GlusterFS	www.gluster.org	
		MooseFS	http://www.moosefs.org	
		SheepDog	http://sheepdog.github.io/sheepdog/	
		xtreemFS	http://www.xtreemfs.org/	
10b	Network Attached Storage	OpenFiler	https://www.openfiler.com/	
		FreeNAS	http://distrowatch.com/freenas	
		OpenMediaVault	http://distrowatch.com/openmediavault	
		Nas4Free	http://distrowatch.com/nas4free	
11.Open Source Data Center Infrastructure				
11a	Search Engine	Apache SOLR	http://lucene.apache.org/solr/	
		Sphinx	http://sphinxsearch.com/	
11b	Caching Web Server	Varnish	https://www.varnish-cache.org/	
		SQUID	www.squid-cache.org	
11c	Load Balancer	HaProxy	haproxy.1wt.eu	
		Zen Load Balancer	http://www.zenloadbalancer.org/web/	
		Piranah	sourceware.org/piranha/	
11d	DNS Server	Bind	http://www.isc.org/downloads/bind/	
		PowerDNS	https://www.powerdns.com/	
11e	Proxy cum Firewall Server	zentyal	www.zentyal.com	
11f	Mail Server and Groupware	iredmail	www.iredmail.org	
		SME server	www.smeserver.org	
		SOGO	www.sogo.nu	
		Horde	www.horde.org	
11g	Session	Memcached	memcached.org	

	Management and Database cache			
11h	Directory Authentication	OpenLDAP	www.openldap.org	
11i	Single Sign On	Jasig CAS	www.jasig.org	
		OpenAM	openam.forgerock.org/	
11j	Linux Operating System	Ubuntu	www.ubuntu.com	
		CentOS	www.centos.org	
Cloud and Virtualization Environment				
11k	Virtualization	OpenVZ	openvz.org	
		KVM	www.linux-kvm.org/	
		XEN	www.xenproject.org	
11l	Cloud Environment	Proxmox	www.proxmox.com	
		Cloudstack	cloudstack.apache.org	
		OpenStack	www.openstack.org	
High Availability and Replication tools				
11m	High Availability and Replication tools	Heartbeat	www.linux-ha.org	
		DRBD Replication	www.drbd.org	
		Rsync	http://www.rsync.net	
		Unison	http://www.cis.upenn.edu/~bcpierce/unison/	
		incron	http://inotify.aiken.cz	
11n	VPN	OpenVPN	openvpn.net	
12.Data Center Management and Monitoring Tools				
12a	Monitoring tool	Munin	http://munin-monitoring.org/	
12b	Helpdesk	OTRS	http://www.otrs.com/en/	
12c	Network management	OpenNMS	http://www.opennms.org/	
12d	Network management	Icinga	https://www.icinga.org/	
12e	Computer inventory and package mgmt	OCS-NG	www.ocsinventory-ng.org/en/	
12f	Log management	iView	http://www.cyberoam-iview.org	
12g	Mysql Admin tool	phpMyAdmin	http://www.phpmyadmin.net	
12h	Postgres Admin tool	phpPgAdmin	http://phppgadmin.sourceforge.net	
12i	LDAP admin tool	phpldapadmin	http://phpldapadmin.sourceforge.net/	
12j	Postgres Admin tool	pgAdminIII		
12k	Apache log analyzer	awstats	awstats.sourceforge.net	
13.Enterprise Products For Ready to Use				
13a	Digital Repository and Archive	Dspace	http://www.dspace.org/	
		resourcespace	resourcespace.org	
		Razuna	http://www.razuna.org/	
13b	Document Management	Alfresco	http://www.alfresco.com/	
		OpenDocMan	http://www.opendocman.com	
		Nuxeo	www.nuxeo.com/	
13c	Asset Management	CMDBuild	http://www.cmdbuild.org	
		OpenERP	www.openerp.com/	

13f	Content Management System / Web Portal	LifeRay	www.liferay.com/	
		Drupal	https://drupal.org	
		Alfresco	www.alfresco.com	
		OpenCMS	www.opencms.org	
13g	Mobile Information collection and mapping	Ushahidi	https://wiki.ushahidi.com/display/WIKI/About	
13h	Accounting	OpenERP	https://www.openerp.com/	
13i	Enterprise Resource Planning	OpenERP	https://www.openerp.com/	
13j	Inventory Management	OpenERP	https://www.openerp.com/	
13k	Purchase Management	OpenERP	https://www.openerp.com/	
13l	Disaster Management	SAHANA	http://sahanafoundation.org/	
13m	Emergency dispatch management and tracking	Ticket CAD	http://www.ticketcad.org	
13n	Education Course Management	Moodle	https://moodle.org/	
13o	School Management	OpenSIS	http://www.opensis.com/	
		Fedena	www.fedena.com	
		Moodle	https://moodle.org/	
13p	Library software	Koha	http://www.koha.org/	
13q	Web Video Conferencing	Bigbluebutton	http://www.bigbluebutton.org/	
13r	HelpDesk	OSTicket	http://osticket.com/	
13s	CRM	OpenCRX	http://www.opencrx.org/	
		civiCRM	http://civicrm.org/	
13t	Meeting Room Reservation	phpScheduleIt	http://www.php.brickhost.com/	
		mrbs	http://mrbs.sourceforge.net/	
14. Business Intelligence & Reporting Tools				
14a	Business Intelligence	SpagoBI	http://www.spagoworld.org/	
14b	Reporting Servers	Jasper	www.jaspersoft.com	
14c		Pentaho	www.pentaho.com	
		Birt	http://projects.eclipse.org/projects/birt	
14d	ETL	Talend	http://www.talend.com	
14e	Enterprise Application Integration tool	WSO2	http://wso2.com/products/enterprise-service-bus	
15. Network scanners & Security Products				
15a	Network scanner	Angry IP Scanner	http://www.angryip.org/	
15b	Wireless network detector	Kismet	http://www.kismetwireless.net/	
15c	Security Scanner	Nmap	http://nmap.org	
15d	Network protocol	Wireshark	www.wireshark.org	

	analyzer			
15e	Security Information Management	OSSIM	http://www.alienvault.com/	
15f	Network intrusion detection	snort	www.snort.org	
15g	Password strength	Ophcrack 2	ophcrack.sourceforge.net/	
16. Network management and monitoring				
16a	Network and computer system monitoring application	Icinga	https://www.icinga.org/	
16b	Lightweight system monitoring tool for Linux/UNIX servers	Monitorix	http://www.monitorix.org/	
16c	IT infrastructure monitoring	Nagios	http://www.nagios.org/	
16d	Network usage	ntop	http://www.ntop.org/	
16e	Network graphing solution	Cacti	http://www.cacti.net/	
16f	Enterprise systems monitoring software for physical, virtual, and cloud-based IT infrastructures	Opsview Community	http://www.opsview.com/community	
16g	Network access control (NAC) system	PacketFence	http://www.packetfence.org/	
16h	Monitoring tool for computer networks	Pandora FMS	http://pandorafms.org/	
16i	Monitoring of networks and applications	Zabbix	http://zabbix.com/	
16j	Network monitoring tools that analyze network bandwidth and graph system	RRDtool	http://oss.oetiker.ch/rrdtool	
16k	Network monitoring and network management platform	OpenNMS	http://www.opennms.org/	
16l	Computer Inventory Management and Patch management	OCS Inventory NG	http://www.ocsinventory-ng.org/	
16k	Configuration management tool	Puppet	http://reductivelabs.com/trac/puppet	
16m	Linux systems patch management tool	Spacewalk	http://spacewalk.redhat.com/	
16n	Linux system	Webmin	http://www.webmin.com/	

	configuration tool			
16o	Consolidated management portal for providing core infrastructure services	Zivios	http://www.zivios.org/	
16p	Application, server, and network management platform	Zenoss	http://www.zenoss.com/	
17.Telephony Patform				
17a	Communications software for the creation of voice and messaging products and Telephone private branch exchange (PBX)	Asterisk	http://www.asterisk.org/	
		FreeSWITCH	http://www.freeswitch.org/	
18.Operating System for Desktop and Server				
18a	Operting system for Desktop and Server	Debian	http://www.debian.org/	
		CentOS	http://www.centos.org/	
		Fedora	http://fedoraproject.org/	
		Ubuntu	http://www.ubuntu.com/	
		BOSS	http://bosslinux.in/	
19.Readymade Products for desktop				
	PDF Creator	PDFCreator	http://www.pdfforge.org/pdfcreator	
	File Compression		http://www.7-zip.org/	
	File Compression		http://www.clamav.net	
	Office Suite	Libre Office	https://www.libreoffice.org/	
		Apache Open Office	http://www.openoffice.org/	
Project Management		Open Workbench	http://www.openworkbench.org	
		OpenProj	http://sourceforge.net/projects/openproj/	
Notes		Tomboy	https://projects.gnome.org/tomboy/	
TO DO		Task Coach	http://taskcoach.org/	
Mind Mapping		Freeplane	http://freeplane.sourceforge.net/wiki/index.php/Main_Page	
FTP Client		Filezilla FTP client	https://filezilla-project.org/download.php	
Statistics on Disk usage		WinDirStat	http://windirstat.info/download.html	
Remote VNC Administration		UltraVNC, TightVNC	http://www.uvnc.com/index.php http://www.tightvnc.com/	
Process Usage Analysis		Process History	http://process-history.co.uk/	
Download Manager		Free Download manager	http://freedownloadmanager.org/	
Media Player		VLC media player	http://www.videolan.org/	

SSH Client	Putty	http://www.putty.org/	
Email clients	Thunderbird	http://www.mozilla.org/en-US/thunderbird/	
Internet Browser	Chrome	https://www.google.com/intl/en/chrome/browser/	
	Firefox	http://www.mozilla.org/en-US/firefox/new/	
Digital Paint	mypaint	http://mypaint.intilinux.com/	
Vector Graphics	inkscape	http://inkscape.org/	
HTML5 Player	JW Player	http://developer.longtailvideo.com/trac/	
Portable Software Collection	winPenPack	http://www.winpenpack.com	
3D Modeling	Blender	http://www.blender.org/	
Computer Aided Design	BRL-CAD	http://brlcad.org/	
Productivity tool	LibreOffice	https://www.libreoffice.org/	
	Apache OpenOffice	http://www.openoffice.org	