



COMMUNITY-LED DEVELOPMENT "THE APACHE WAY"



(<https://events.apachecon.org/2021/contributing.html>)
(<https://support.apache.org/2021/event.html>)

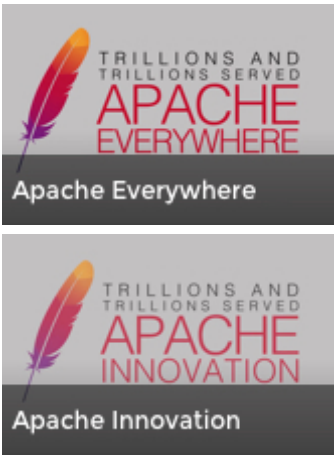
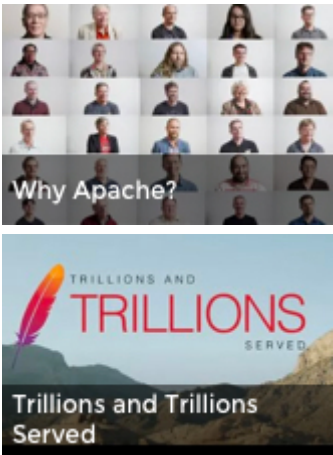
THE WORLD'S LARGEST OPEN SOURCE FOUNDATION

- All volunteer community
- 227M+ lines of code in stewardship
- 4.2B+ lines of code changed
- 4.1M+ code commits
- 820 individual ASF Members
- 8,100+ Apache Committers
- 40,000+ code contributors
- 488,000+ people involved in our communities
- 350+ Projects and Initiatives
- 300+ Top-Level Projects
- 37 podlings in the Apache Incubator
- ~2 Petabytes source code downloads from Apache mirrors
- 24M+ emails across 1,400+ mailing lists
- Web requests received from every Internet-connected country on the planet
- 35M+ weekly page views across [apache.org \(/\)](https://apache.org/)

\$22B+ worth of Apache Open Source software products are made available to the public-at-large at 100% no cost, and benefit billions of users around the world.

(<https://s.apache.org/FY2020AnnualReport-PR>)

"Trillions and Trillions Served" documentary feature on The Apache Softwar...



View additional videos (https://www.youtube.com/channel/UCLDJ_V9KUOdOFSbDvPfGBxw)

"The most popular open source software is Apache..."



— DZone, "What Open Source Software Do You Use?"



LATEST NEWS

Keep up with the ASF's news and announcements by subscribing to the Apache Announcements List ([/foundation/maillinglists.html#foundation-announce](https://foundation/maillinglists.html#foundation-announce)), as well as following the Foundation Blog (<https://blogs.apache.org/foundation/>), Apache Weekly News Round-Ups (<https://blogs.apache.org/foundation/category/Newsletter>), @TheASF on Twitter (<https://twitter.com/TheASF>), The Apache Software Foundation on LinkedIn (<https://www.linkedin.com/company/the-apache-software-foundation/>), on the ASF's YouTube channel (<https://www.youtube.com/c/TheApacheFoundation/>), and on Feathercast (<https://feathercast.apache.org/>), the voice of the ASF.

Twitter

@TheASF (<https://twitter.com/TheASF>) The Apache Weekly News Round-up: week ending 9 July <https://t.co/fQjmTb4Ot1> (<https://t.co/fQjmTb4Ot1>) --updates from the ASF Board, Infrastructure, Committers, and ApacheCon, plus Apache projects that include Ant, CloudStack, Jena, Qpid, ShardingSphere, Tika, Tomcat, UIMA & more. #Apache #OpenSource #news <https://t.co/jyAqMj4jVK> (<https://t.co/jyAqMj4jVK>)

Continue Reading → (<https://twitter.com/TheASF>)

Foundation Blog

THE APACHE NEWS ROUND-UP: WEEK ENDING 9 JULY 2021
([HTTPS://BLOGS.APACHE.ORG/FOUNDATION/ENTRY/THE-APACHE-NEWS-ROUND-UP234](https://blogs.apache.org/foundation/entry/the-apache-news-round-up234))

Continue Reading → (<https://blogs.apache.org/foundation>)

Project Blogs

THE APACHE NEWS ROUND-UP: WEEK ENDING 9 JULY 2021
([HTTPS://BLOGS.APACHE.ORG/FOUNDATION/ENTRY/THE-APACHE-NEWS-ROUND-UP234](https://blogs.apache.org/foundation/entry/the-apache-news-round-up234))

Continue Reading → (<https://blogs.apache.org>)

Conferences

CHECK OUT THE SCHEDULE FOR APACHECON@HOME 2021
([HTTPS://BLOGS.APACHE.ORG/CONFERENCES/ENTRY/CHECK-OUT-THE-SCHEDULE-FOR](https://blogs.apache.org/conferences/entry/check-out-the-schedule-for))

Continue Reading → (<https://blogs.apache.org/conferences>)



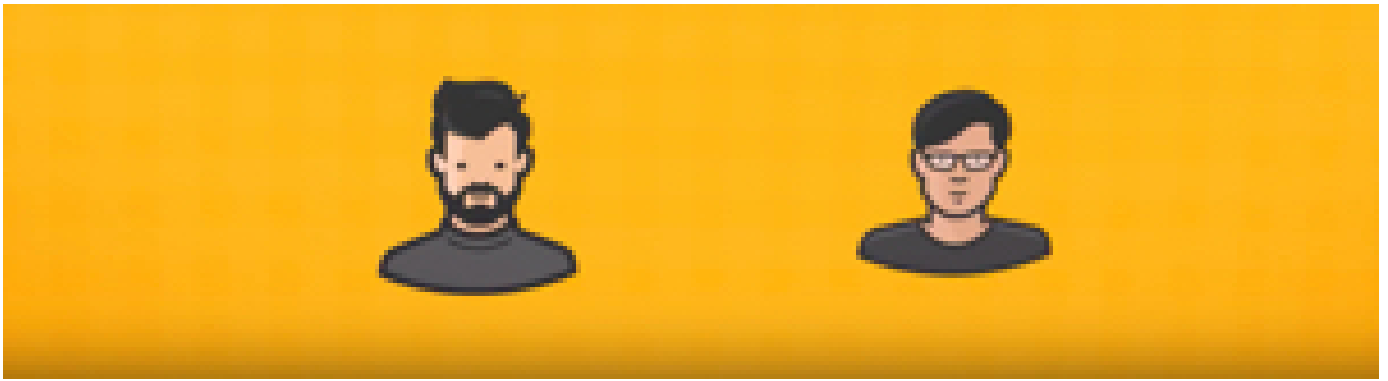
(/foundation/reports.html)

(/foundation/reports.html)

REPORTS (/FOUNDATION/REPORTS.HTML)

Official ASF reports and statements, including Quarterly and Annual Reports, Vision Statement, "Apache is Open", 5-Year Strategic Plan, and more.





(<http://community.apache.org/>)

(<http://community.apache.org/>)

COMMUNITY ([HTTP://COMMUNITY.APACHE.ORG/](http://community.apache.org/))

Guidance and mentoring for those interested in participating in Apache projects and their communities. From Google Summer of Code to community events, get started here to learn how to become an Apache contributor.



(</theapacheway/index.html>)

(</theapacheway/index.html>)

THE APACHE WAY (/THEAPACHEWAY/INDEX.HTML)

Our consensus-driven, open development process was refined over the past 20 years and produced some of the largest and longest-lived Open Source projects that have revolutionized the industry.



(<https://apachecon.com/>)

(<https://apachecon.com/>)

CONFERENCES ([HTTPS://APACHECON.COM/](https://apachecon.com/))

"Tomorrow's Technology Today" since 1998. Intentionally intimate, offering unparalleled educational, networking, and collaboration opportunities.

The ASF develops, shepherds, and incubates hundreds of freely-available, enterprise-grade projects that serve as the backbone for some of the most visible and widely used applications in computing today. Through the ASF's merit-based process known as "The Apache Way," (</theapacheway>) more than 800 individual volunteer Members and 8,100+ code Committers (<http://community.zones.apache.org/map.html>) across six continents successfully collaborate on innovations in Artificial Intelligence and Deep Learning, Big Data, Build Management, Cloud Computing, Content Management, DevOps, IoT and Edge Computing, Mobile, Servers, and Web Frameworks, among other categories (<https://projects.apache.org/projects.html?category>).

APACHE IS ...

OPEN: The Apache Software Foundation provides support for 350+ Apache Projects and their Communities, furthering its mission of providing Open Source software for the public good.

INNOVATION: Apache Projects are defined by collaborative, consensus-based processes (</theapacheway>), an open, pragmatic software license and a desire to create high quality software that leads the way in its field.

COMMUNITY: We are a community of developers and users (<http://community.apache.org/>) of enterprise-grade, Open Source Apache projects used in every Internet-connected country on the planet.

APACHE PROJECTS

The all-volunteer ASF develops, stewards, and incubates more than 350 Open Source projects and initiatives that cover a wide range of technologies. From Accumulo to Zookeeper, if you are looking for a rewarding experience in Open Source and industry leading software, chances are you are going to find it here. Are you powered by Apache? (</foundation/press/kit/#powerby>)

FEATURED PROJECT



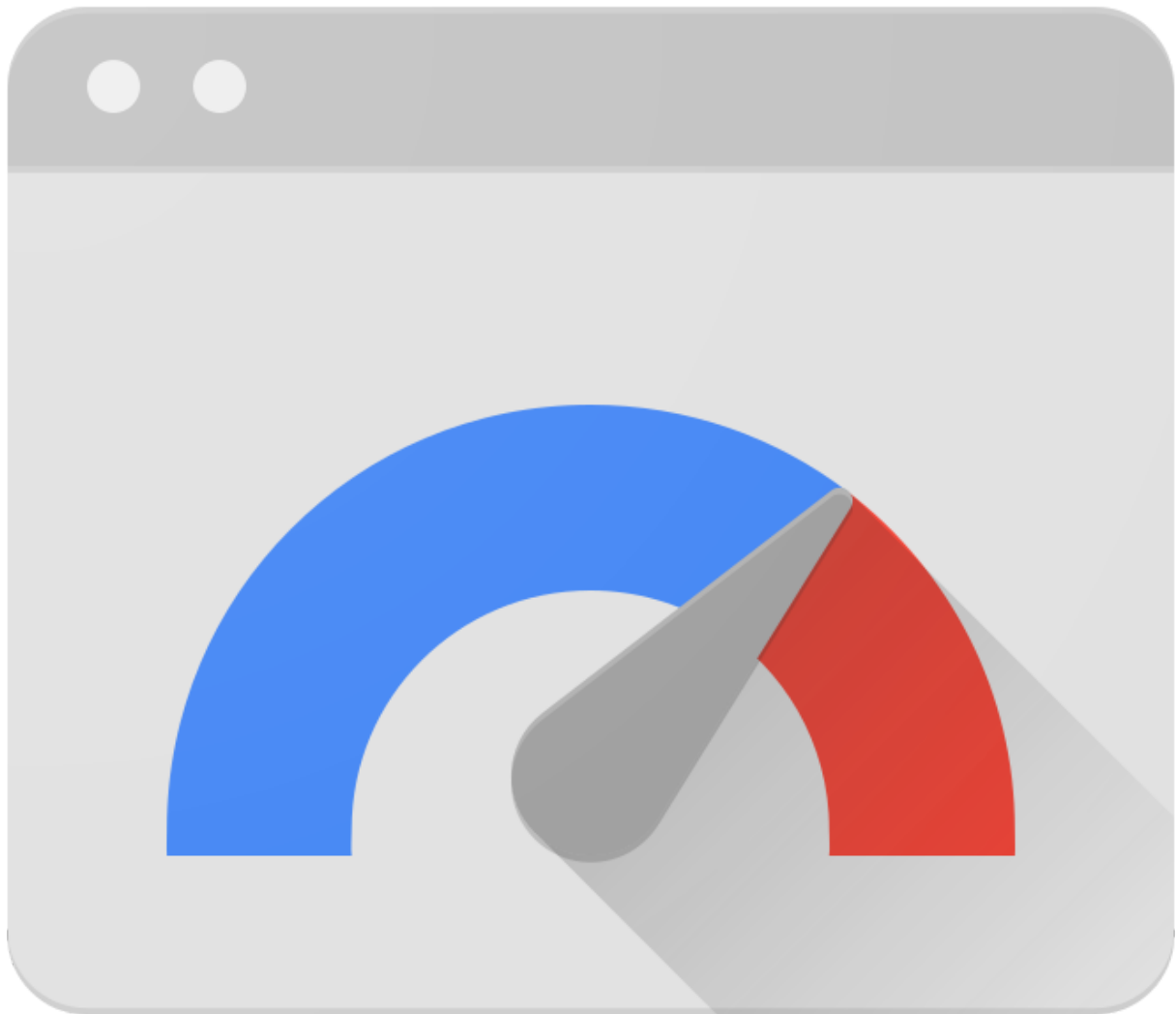
TCL ([HTTP://TCL.APACHE.ORG/](http://tcl.apache.org/))

Dynamic websites using TCL

[Learn More... \(http://tcl.apache.org/\)](http://tcl.apache.org/)

INCUBATING PROJECT

The Apache Incubator is the primary entry path into The Apache Software Foundation for projects and their communities wishing to become part of the Foundation's efforts. All code donations from external organisations and existing external projects seeking to join the Apache community enter through the Incubator.



PAGESPEED ([HTTP://PAGESPEED.INCUBATOR.APACHE.ORG/](http://pagespeed.incubator.apache.org/))

PageSpeed represents a series of open source technologies to help make the web faster by rewriting web pages to reduce latency and bandwidth.

[Learn More... \(http://pagespeed.incubator.apache.org/\)](http://pagespeed.incubator.apache.org/)

APACHE PROJECT LIST

Overview (<https://projects.apache.org/>)

All Projects (<https://projects.apache.org/projects.html>)

BY CATEGORY

Attic (<http://attic.apache.org/>)

Big Data (<https://projects.apache.org/projects.html?category#big-data>)

Build Management (<https://projects.apache.org/projects.html?category#build-management>)

Cloud (<https://projects.apache.org/projects.html?category#cloud>)

Content (<https://projects.apache.org/projects.html?category#content>)

Databases (<https://projects.apache.org/projects.html?category#database>)

FTP (<https://projects.apache.org/projects.html?category#ftp>)

Graphics (<https://projects.apache.org/projects.html?category#graphics>)

HTTP (<https://projects.apache.org/projects.html?category#http>)

HTTP-module (<https://projects.apache.org/projects.html?category#httpd-module>)

Incubating (<http://incubator.apache.org/>)

JavaEE (<https://projects.apache.org/projects.html?category#javaee>)

Libraries (<https://projects.apache.org/projects.html?category#library>)

Mail (<https://projects.apache.org/projects.html?category#mail>)

Mobile (<https://projects.apache.org/projects.html?category#mobile>)

Network-client (<https://projects.apache.org/projects.html?category#network-client>)

Network-server (<https://projects.apache.org/projects.html?category#network-server>)

OSGi (<https://projects.apache.org/projects.html?category#osgi>)

RegExp (<https://projects.apache.org/projects.html?category#regexp>)

Retired (<https://projects.apache.org/projects.html?category#retired>)

Search (<https://projects.apache.org/projects.html?category#search>)

Security (<https://projects.apache.org/projects.html?category#security>)

SQL (<https://projects.apache.org/projects.html?category#sql>)

Testing (<https://projects.apache.org/projects.html?category#testing>)

Virtual-machine (<https://projects.apache.org/projects.html?category#virtual-machine>)

Web-framework (<https://projects.apache.org/projects.html?category#web-framework>)

XML (<https://projects.apache.org/projects.html?category#xml>)

BY NAME

HTTP Server (<http://httpd.apache.org/>)

A

APISIX (<http://apisix.apache.org/>)

Accumulo (<http://accumulo.apache.org/>)

ActiveMQ (<http://activemq.apache.org/>)

Airavata (<http://airavata.apache.org/>)

Airflow (<http://airflow.apache.org/>)

Allura (<http://allura.apache.org/>)

Ambari (<http://ambari.apache.org/>)

Ant (<http://ant.apache.org/>)

Any23 (<http://any23.apache.org/>)

Archiva (<http://archiva.apache.org/>)

Aries (<http://aries.apache.org/>)

Arrow (<http://arrow.apache.org/>)
AsterixDB (<http://asterixdb.apache.org/>)
Atlas (<http://atlas.apache.org/>)
Attic (<http://attic.apache.org/>)
Avro (<http://avro.apache.org/>)
Axis (<http://axis.apache.org/>)

B

BVal (<http://bval.apache.org/>)
Bahir (<http://bahir.apache.org/>)
Beam (<http://beam.apache.org/>)
Bigtop (<http://bigtop.apache.org/>)
Bloodhound (<http://bloodhound.apache.org/>)
BookKeeper (<http://bookkeeper.apache.org/>)
Brooklyn (<http://brooklyn.apache.org/>)
Buildr (<http://buildr.apache.org/>)

C

CXF (<http://cxf.apache.org/>)
Calcite (<http://calcite.apache.org/>)
Camel (<http://camel.apache.org/>)
CarbonData (<http://carbondata.apache.org/>)
Cassandra (<http://cassandra.apache.org/>)
Cayenne (<http://cayenne.apache.org/>)
Celix (<http://celix.apache.org/>)
Chemistry (<http://chemistry.apache.org/>)
Clerezza (<http://clerezza.apache.org/>)
CloudStack (<http://cloudstack.apache.org/>)
Cocoon (<http://cocoon.apache.org/>)
Commons (<http://commons.apache.org/>)
Community Development (<http://community.apache.org/>)
Cordova (<http://cordova.apache.org/>)
CouchDB (<http://couchdb.apache.org/>)
Creadur (<http://creadur.apache.org/>)
Curator (<http://curator.apache.org/>)
cTAKES (<http://ctakes.apache.org/>)

D

DB (<http://db.apache.org/>)
Daffodil (<http://daffodil.apache.org/>)
DataFu (<http://datafu.apache.org/>)
DataSketches (<http://datasketches.apache.org/>)
DeltaSpike (<http://deltaspikes.apache.org/>)
Directory (<http://directory.apache.org/>)
DolphinScheduler (<http://dolphinscheduler.apache.org/>)
Drill (<http://drill.apache.org/>)
Druid (<http://druid.apache.org/>)
Dubbo (<http://dubbo.apache.org/>)

E

ECharts (<http://echarts.apache.org/>)
Empire-db (<http://empire-db.apache.org/>)

F

Felix (<http://felix.apache.org/>)
Fineract (<http://fineract.apache.org/>)
Flex (<http://flex.apache.org/>)

Flink (<http://flink.apache.org/>)
Flume (<http://flume.apache.org/>)
Fluo (<http://fluo.apache.org/>)
FreeMarker (<http://freemarker.apache.org/>)

G

Geode (<http://geode.apache.org/>)
Geronimo (<http://geronimo.apache.org/>)
Giraph (<http://giraph.apache.org/>)
Gobblin (<http://gobblin.apache.org/>)
Gora (<http://gora.apache.org/>)
Griffin (<http://griffin.apache.org/>)
Groovy (<http://groovy.apache.org/>)
Guacamole (<http://guacamole.apache.org/>)
Gump (<http://gump.apache.org/>)

H

HAWQ (<http://hawq.apache.org/>)
HBase (<http://hbase.apache.org/>)
Hadoop (<http://hadoop.apache.org/>)
Helix (<http://helix.apache.org/>)
Hive (<http://hive.apache.org/>)
HttpComponents (<http://hc.apache.org/>)
Hudi (<http://hudi.apache.org/>)

I

Iceberg (<http://iceberg.apache.org/>)
Ignite (<http://ignite.apache.org/>)
Impala (<http://impala.apache.org/>)
Incubator (<http://incubator.apache.org/>)
IoTDB (<http://iotdb.apache.org/>)
Isis (<http://isis.apache.org/>)

J

JMeter (<http://jmeter.apache.org/>)
JSPWiki (<http://jspwiki.apache.org/>)
Jackrabbit (<http://jackrabbit.apache.org/>)
James (<http://james.apache.org/>)
Jena (<http://jena.apache.org/>)
Johnzon (<http://johnzon.apache.org/>)
Joshua (<http://joshua.apache.org/>)
Juneau (<http://juneau.apache.org/>)
jUDDI (<http://juddi.apache.org/>)
jclouds (<http://jclouds.apache.org/>)

K

Kafka (<http://kafka.apache.org/>)
Karaf (<http://karaf.apache.org/>)
Kibble (<http://kibble.apache.org/>)
Knox (<http://knox.apache.org/>)
Kudu (<http://kudu.apache.org/>)
Kylin (<http://kylin.apache.org/>)

L

Libcloud (<http://libcloud.apache.org/>)
Logging Services (<http://logging.apache.org/>)
Lucene (<http://lucene.apache.org/>)
Lucene.Net (<http://lucenenet.apache.org/>)

M

MADlib (<http://madlib.apache.org/>)
MINA (<http://mina.apache.org/>)
Mahout (<http://mahout.apache.org/>)
ManifoldCF (<http://manifoldcf.apache.org/>)
Maven (<http://maven.apache.org/>)
Mesos (<http://mesos.apache.org/>)
Mnemonic (<http://mnemonic.apache.org/>)
MyFaces (<http://myfaces.apache.org/>)
Mynewt (<http://mynewt.apache.org/>)

N

NetBeans (<http://netbeans.apache.org/>)
NiFi (<http://nifi.apache.org/>)
Nutch (<http://nutch.apache.org/>)

O

OFBiz (<http://ofbiz.apache.org/>)
OODT (<http://oodt.apache.org/>)
ORC (<http://orc.apache.org/>)
Olingo (<http://olingo.apache.org/>)
Oozie (<http://oozie.apache.org/>)
OpenJPA (<http://openjpa.apache.org/>)
OpenMeetings (<http://openmeetings.apache.org/>)
OpenNLP (<http://opennlp.apache.org/>)
OpenOffice (<http://openoffice.apache.org/>)
OpenWebBeans (<http://openwebbeans.apache.org/>)
OpenWhisk (<http://openwhisk.apache.org/>)
Ozone (<http://ozone.apache.org/>)

P

PDFBox (<http://pdfbox.apache.org/>)
PLC4X (<http://plc4x.apache.org/>)
POI (<http://poi.apache.org/>)
Parquet (<http://parquet.apache.org/>)
Perl (<http://perl.apache.org/>)
Petri (<http://petri.apache.org/>)
Phoenix (<http://phoenix.apache.org/>)
Pig (<http://pig.apache.org/>)
Pivot (<http://pivot.apache.org/>)
Portable Runtime (APR) (<http://apr.apache.org/>)
Portals (<http://portals.apache.org/>)
Pulsar (<http://pulsar.apache.org/>)

Q

Qpid (<http://qpid.apache.org/>)

R

REEF (<http://reef.apache.org/>)
Ranger (<http://ranger.apache.org/>)
Ratis (<http://ratis.apache.org/>)
River (<http://river.apache.org/>)
RocketMQ (<http://rocketmq.apache.org/>)
Roller (<http://roller.apache.org/>)
Royale (<http://royale.apache.org/>)
Rya (<http://rya.apache.org/>)

S

SINGA (<http://singa.apache.org/>)
SIS (<http://sis.apache.org/>)
Samza (<http://samza.apache.org/>)
Santuario (<http://santuario.apache.org/>)
Serf (<http://serf.apache.org/>)
ServiceComb (<http://servicecomb.apache.org/>)
ServiceMix (<http://servicemix.apache.org/>)
ShardingSphere (<http://shardingsphere.apache.org/>)
Shiro (<http://shiro.apache.org/>)
SkyWalking (<http://skywalking.apache.org/>)
Sling (<http://sling.apache.org/>)
Solr (<http://solr.apache.org/>)
SpamAssassin (<http://spamassassin.apache.org/>)
Spark (<http://spark.apache.org/>)
Steve (<http://steve.apache.org/>)
Storm (<http://storm.apache.org/>)
Streams (<http://streams.apache.org/>)
Struts (<http://struts.apache.org/>)
Submarine (<http://submarine.apache.org/>)
Subversion (<http://subversion.apache.org/>)
Superset (<http://superset.apache.org/>)
Synapse (<http://synapse.apache.org/>)
Syncope (<http://syncope.apache.org/>)
SystemDS (<http://systemds.apache.org/>)

T

TVM (<http://tvm.apache.org/>)
Tapestry (<http://tapestry.apache.org/>)
Tcl (<http://tcl.apache.org/>)
Tez (<http://tez.apache.org/>)
Thrift (<http://thrift.apache.org/>)
Tika (<http://tika.apache.org/>)
TinkerPop (<http://tinkerpop.apache.org/>)
TomEE (<http://tomee.apache.org/>)
Tomcat (<http://tomcat.apache.org/>)
Traffic Control (<http://trafficcontrol.apache.org/>)
Traffic Server (<http://trafficserver.apache.org/>)
Turbine (<http://turbine.apache.org/>)

U

UIMA (<http://uima.apache.org/>)
Unomi (<http://unomi.apache.org/>)
Usergrid (<http://usergrid.apache.org/>)

V

VCL (<http://vcl.apache.org/>)
Velocity (<http://velocity.apache.org/>)

W

Web Services (<http://ws.apache.org/>)
Whimsy (<http://whimsical.apache.org/>)
Wicket (<http://wicket.apache.org/>)

X

XML Graphics (<http://xmlgraphics.apache.org/>)
Xalan (<http://xalan.apache.org/>)
Xerces (<http://xerces.apache.org/>)

Y

[Yetus \(http://yetus.apache.org/\)](http://yetus.apache.org/)

Z

[Zeppelin \(http://zeppelin.apache.org/\)](http://zeppelin.apache.org/)

[ZooKeeper \(http://zookeeper.apache.org/\)](http://zookeeper.apache.org/)

COMMUNITY

[Overview \(http://community.apache.org/\)](http://community.apache.org/)

[Conferences \(/foundation/conferences.html\)](/foundation/conferences.html)

[Summer of Code \(http://community.apache.org/gsoc.html\)](http://community.apache.org/gsoc.html)

[Getting Started \(http://community.apache.org/newcomers/\)](http://community.apache.org/newcomers/)

[The Apache Way \(/foundation/how-it-works.html\)](/foundation/how-it-works.html)

[Travel Assistance \(/travel/\)](/travel/)

[Get Involved \(/foundation/getinvolved.html\)](/foundation/getinvolved.html)

[Code of Conduct \(/foundation/policies/conduct.html\)](/foundation/policies/conduct.html)

[Community FAQ \(http://community.apache.org/newbiefaq.html\)](http://community.apache.org/newbiefaq.html)

[Memorials \(/memorials/\)](/memorials/)

INNOVATION

[Incubator \(http://incubator.apache.org/\)](http://incubator.apache.org/)

[Labs \(http://labs.apache.org/\)](http://labs.apache.org/)

[Licensing \(/licenses/\)](/licenses/)

[Licensing FAQ \(/foundation/license-faq.html\)](/foundation/license-faq.html)

[Trademark Policy \(/foundation/marks/\)](/foundation/marks/)

[Contacts \(/foundation/contact.html\)](/foundation/contact.html)

TECH OPERATIONS

[Developer Information \(/dev/\)](/dev/)

[Infrastructure \(/dev/infrastructure.html\)](/dev/infrastructure.html)

[Security \(/security/\)](/security/)

[Status \(http://status.apache.org\)](http://status.apache.org)

[Contacts \(/foundation/contact.html\)](/foundation/contact.html)

PRESS

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[Announcements \(https://blogs.apache.org/foundation/\)](https://blogs.apache.org/foundation/)

[Twitter Feed \(https://twitter.com/TheASF\)](https://twitter.com/TheASF)

[Contacts \(/press/#contact\)](/press/#contact)

LEGAL

[Legal Affairs \(/legal/\)](/legal/)

[DMCA \(/legal/dmca.html\)](/legal/dmca.html)

[Licensing \(/licenses/\)](/licenses/)

[Trademark Policy \(/foundation/marks/\)](/foundation/marks/)

[Public Records \(/foundation/records/\)](/foundation/records/)

[Privacy Policy \(/foundation/policies/privacy.html\)](/foundation/policies/privacy.html)

[Export Information \(/licenses/exports/\)](/licenses/exports/)

[Licensing FAQ \(/foundation/license-faq.html\)](/foundation/license-faq.html)

[Contacts \(/foundation/contact.html\)](/foundation/contact.html)

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