workstation12@workstation12-MS-7C09:~$ mysql

ERROR 1045 (28000): Access denied for user 'workstation12'@'localhost' (using password: NO)

workstation12@workstation12-MS-7C09:~$ mysql -uroot

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)

workstation12@workstation12-MS-7C09:~$ mysql -uroot -p

Enter password:

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)

workstation12@workstation12-MS-7C09:~$ mysql -uroot -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 13

Server version: 8.0.25-0ubuntu0.20.04.1 (Ubuntu)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> ^C

mysql> exit

Bye

workstation12@workstation12-MS-7C09:~$ nano ~/.my.cnf

workstation12@workstation12-MS-7C09:~$ mysql

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 14

Server version: 8.0.25-0ubuntu0.20.04.1 (Ubuntu)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database joomla;

Query OK, 1 row affected (0.01 sec)

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| joomla |

| mysql |

| performance\_schema |

| phpmyadmin |

| sys |

| wordpress |

+--------------------+

7 rows in set (0.00 sec)

mysql> exit

Bye

workstation12@workstation12-MS-7C09:~$ mysql

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 19

Server version: 8.0.25-0ubuntu0.20.04.1 (Ubuntu)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> exit

Bye

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/php

php/ phpmyadmin/

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/php

php/ phpmyadmin/

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/php

php/ phpmyadmin/

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/php/

5.6/ 7.0/ 7.1/ 7.2/ 7.3/ 7.4/

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/php/^C

workstation12@workstation12-MS-7C09:~$ php -v

PHP 7.4.3 (cli) (built: Jul 5 2021 15:13:35) ( NTS )

Copyright (c) The PHP Group

Zend Engine v3.4.0, Copyright (c) Zend Technologies

with Zend OPcache v7.4.3, Copyright (c), by Zend Technologies

with Xdebug v2.9.2, Copyright (c) 2002-2020, by Derick Rethans

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/php/7.4/

cli/ mods-available/

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/php/7.4/

cli/ mods-available/

workstation12@workstation12-MS-7C09:~$ sudo apt install php-mysql

[sudo] password for workstation12:

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

php8.0-common php8.0-mysql

The following NEW packages will be installed:

php-mysql php8.0-common php8.0-mysql

0 upgraded, 3 newly installed, 0 to remove and 16 not upgraded.

Need to get 1,173 kB of archives.

After this operation, 9,154 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php8.0-common amd64 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 [1,044 kB]

Get:2 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php8.0-mysql amd64 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 [121 kB]

Get:3 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php-mysql all 2:8.0+84+ubuntu20.04.1+deb.sury.org+1 [6,988 B]

Fetched 1,173 kB in 4s (285 kB/s)

Selecting previously unselected package php8.0-common.

(Reading database ... 202114 files and directories currently installed.)

Preparing to unpack .../php8.0-common\_8.0.8-1+ubuntu20.04.1+deb.sury.org+1\_amd64

.deb ...

Unpacking php8.0-common (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Selecting previously unselected package php8.0-mysql.

Preparing to unpack .../php8.0-mysql\_8.0.8-1+ubuntu20.04.1+deb.sury.org+1\_amd64.

deb ...

Unpacking php8.0-mysql (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Selecting previously unselected package php-mysql.

Preparing to unpack .../php-mysql\_2%3a8.0+84+ubuntu20.04.1+deb.sury.org+1\_all.de

b ...

Unpacking php-mysql (2:8.0+84+ubuntu20.04.1+deb.sury.org+1) ...

Setting up php8.0-common (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Creating config file /etc/php/8.0/mods-available/calendar.ini with new version

Creating config file /etc/php/8.0/mods-available/ctype.ini with new version

Creating config file /etc/php/8.0/mods-available/exif.ini with new version

Creating config file /etc/php/8.0/mods-available/fileinfo.ini with new version

Creating config file /etc/php/8.0/mods-available/ffi.ini with new version

Creating config file /etc/php/8.0/mods-available/ftp.ini with new version

Creating config file /etc/php/8.0/mods-available/gettext.ini with new version

Creating config file /etc/php/8.0/mods-available/iconv.ini with new version

Creating config file /etc/php/8.0/mods-available/pdo.ini with new version

Creating config file /etc/php/8.0/mods-available/phar.ini with new version

Creating config file /etc/php/8.0/mods-available/posix.ini with new version

Creating config file /etc/php/8.0/mods-available/shmop.ini with new version

Creating config file /etc/php/8.0/mods-available/sockets.ini with new version

Creating config file /etc/php/8.0/mods-available/sysvmsg.ini with new version

Creating config file /etc/php/8.0/mods-available/sysvsem.ini with new version

Creating config file /etc/php/8.0/mods-available/sysvshm.ini with new version

Creating config file /etc/php/8.0/mods-available/tokenizer.ini with new version

Setting up php8.0-mysql (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Creating config file /etc/php/8.0/mods-available/mysqlnd.ini with new version

Creating config file /etc/php/8.0/mods-available/mysqli.ini with new version

Creating config file /etc/php/8.0/mods-available/pdo\_mysql.ini with new version

Setting up php-mysql (2:8.0+84+ubuntu20.04.1+deb.sury.org+1) ...

workstation12@workstation12-MS-7C09:~$ sudo service apache2 restart

workstation12@workstation12-MS-7C09:~$ sudo phpenmod mysql

WARNING: Module mysql ini file doesn't exist under /etc/php/7.4/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.3/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.3/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.2/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.2/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.1/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.1/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.0/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.0/mods-available

workstation12@workstation12-MS-7C09:~$ sudo apt install php-mysqli\

>

Reading package lists... Done

Building dependency tree

Reading state information... Done

Package php-mysqli is a virtual package provided by:

php8.0-mysql 8.0.8-1+ubuntu20.04.1+deb.sury.org+1

php7.4-mysql 7.4.21-1+ubuntu20.04.1+deb.sury.org+1

php7.3-mysql 7.3.29-1+ubuntu20.04.1+deb.sury.org+1

php7.2-mysql 7.2.34-23+ubuntu20.04.1+deb.sury.org+1

php7.1-mysql 7.1.33-39+ubuntu20.04.1+deb.sury.org+1

php7.0-mysql 7.0.33-52+ubuntu20.04.1+deb.sury.org+1

php5.6-mysql 5.6.40-52+ubuntu20.04.1+deb.sury.org+1

You should explicitly select one to install.

E: Package 'php-mysqli' has no installation candidate

workstation12@workstation12-MS-7C09:~$ sudo apt install php7.4-mysql

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

php7.4-cli php7.4-common php7.4-json php7.4-opcache php7.4-readline

Suggested packages:

php-pear

The following NEW packages will be installed:

php7.4-mysql

The following packages will be upgraded:

php7.4-cli php7.4-common php7.4-json php7.4-opcache php7.4-readline

5 upgraded, 1 newly installed, 0 to remove and 11 not upgraded.

Need to get 2,803 kB of archives.

After this operation, 523 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php7.4-readline amd64 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 [12.6 kB]

Get:2 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php7.4-opcache amd64 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 [198 kB]

Get:3 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php7.4-json amd64 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 [19.2 kB]

Get:4 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php7.4-cli amd64 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 [1,429 kB]

Get:5 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php7.4-common amd64 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 [1,023 kB]

Get:6 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php7.4-mysql amd64 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 [121 kB]

Fetched 2,803 kB in 9s (322 kB/s)

(Reading database ... 202188 files and directories currently installed.)

Preparing to unpack .../0-php7.4-readline\_7.4.21-1+ubuntu20.04.1+deb.sury.org+1\_

amd64.deb ...

Unpacking php7.4-readline (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) over (7.4.3-4u

buntu2.5) ...

Preparing to unpack .../1-php7.4-opcache\_7.4.21-1+ubuntu20.04.1+deb.sury.org+1\_a

md64.deb ...

Unpacking php7.4-opcache (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) over (7.4.3-4ub

untu2.5) ...

Preparing to unpack .../2-php7.4-json\_7.4.21-1+ubuntu20.04.1+deb.sury.org+1\_amd6

4.deb ...

Unpacking php7.4-json (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) over (7.4.3-4ubunt

u2.5) ...

Preparing to unpack .../3-php7.4-cli\_7.4.21-1+ubuntu20.04.1+deb.sury.org+1\_amd64

.deb ...

Unpacking php7.4-cli (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) over (7.4.3-4ubuntu

2.5) ...

Preparing to unpack .../4-php7.4-common\_7.4.21-1+ubuntu20.04.1+deb.sury.org+1\_am

d64.deb ...

Unpacking php7.4-common (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) over (7.4.3-4ubu

ntu2.5) ...

Selecting previously unselected package php7.4-mysql.

Preparing to unpack .../5-php7.4-mysql\_7.4.21-1+ubuntu20.04.1+deb.sury.org+1\_amd

64.deb ...

Unpacking php7.4-mysql (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Setting up php7.4-common (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Setting up php7.4-mysql (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Creating config file /etc/php/7.4/mods-available/mysqlnd.ini with new version

Creating config file /etc/php/7.4/mods-available/mysqli.ini with new version

Creating config file /etc/php/7.4/mods-available/pdo\_mysql.ini with new version

Setting up php7.4-readline (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Setting up php7.4-opcache (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Setting up php7.4-json (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Setting up php7.4-cli (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Replacing config file /etc/php/7.4/cli/php.ini with new version

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for php7.4-cli (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

workstation12@workstation12-MS-7C09:~$ sudo service apache2 restart

workstation12@workstation12-MS-7C09:~$ sudo phpenmod mysql

WARNING: Module mysql ini file doesn't exist under /etc/php/7.4/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.3/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.3/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.2/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.2/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.1/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.1/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.0/mods-available

WARNING: Module mysql ini file doesn't exist under /etc/php/7.0/mods-available

workstation12@workstation12-MS-7C09:~$ sudo nano ~/.my.cnf

workstation12@workstation12-MS-7C09:~$ sudo service mysql restart

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/

conf.d/ debian-start my.cnf.fallback mysql.conf.d/

debian.cnf my.cnf mysql.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/

conf.d/ debian-start my.cnf.fallback mysql.conf.d/

debian.cnf my.cnf mysql.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/my.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/conf.d/mysql

mysql.cnf mysqldump.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/conf.d/mysql

mysql.cnf mysqldump.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/conf.d/mysql.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/mysql.conf.d/mysql

mysql.cnf mysqld.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf

workstation12@workstation12-MS-7C09:~$ sudo service mysqld restart

Failed to restart mysqld.service: Unit mysqld.service not found.

workstation12@workstation12-MS-7C09:~$ sudo service mysql restart

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/m

machine-id mailcap.order mke2fs.conf mtab

magic manpath.config modprobe.d/ mtools.conf

magic.mime mecabrc modules mysql/

mailcap mime.types modules-load.d/

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/m

machine-id mailcap.order mke2fs.conf mtab

magic manpath.config modprobe.d/ mtools.conf

magic.mime mecabrc modules mysql/

mailcap mime.types modules-load.d/

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/

conf.d/ debian-start my.cnf.fallback mysql.conf.d/

debian.cnf my.cnf mysql.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/mysql.cnf

workstation12@workstation12-MS-7C09:~$ sudo nano /etc/mysql/my.cnf

workstation12@workstation12-MS-7C09:~$ sudo service mysql restart

workstation12@workstation12-MS-7C09:~$ sudo apt search mysqli

Sorting... Done

Full Text Search... Done

php-db/focal,focal 1.9.3-1build1 all

Database Abstraction Layer

php-mysqlnd-ms/focal 1.6.0+svn333622-10+ubuntu20.04.1+deb.sury.org+1 amd64

MySQL replication and load balancing module for PHP

php-mysqlnd-ms-all-dev/focal,focal 1.6.0+svn333622-10+ubuntu20.04.1+deb.sury.org+1 all

MySQL replication and load balancing module for PHP

php5.6-mysqlnd-ms/focal 1.6.0+svn333622-10+ubuntu20.04.1+deb.sury.org+1 amd64

MySQL replication and load balancing module for PHP

workstation12@workstation12-MS-7C09:~$ cd /var/www

workstation12@workstation12-MS-7C09:/var/www$ cd wordpress/

workstation12@workstation12-MS-7C09:/var/www/wordpress$ wp

Error: The site you have requested is not installed.

Run `wp core install` to create database tables.

workstation12@workstation12-MS-7C09:/var/www/wordpress$ wp info

Error: The site you have requested is not installed.

Run `wp core install` to create database tables.

workstation12@workstation12-MS-7C09:/var/www/wordpress$ wp version\

>

Error: The site you have requested is not installed.

Run `wp core install` to create database tables.

workstation12@workstation12-MS-7C09:/var/www/wordpress$ wp version

Error: The site you have requested is not installed.

Run `wp core install` to create database tables.

workstation12@workstation12-MS-7C09:/var/www/wordpress$ nano wp-config.php

workstation12@workstation12-MS-7C09:/var/www/wordpress$ nano wp-includes/version.php

workstation12@workstation12-MS-7C09:/var/www/wordpress$ php -v

PHP 7.4.21 (cli) (built: Jul 1 2021 16:09:41) ( NTS )

Copyright (c) The PHP Group

Zend Engine v3.4.0, Copyright (c) Zend Technologies

with Zend OPcache v7.4.21, Copyright (c), by Zend Technologies

with Xdebug v2.9.2, Copyright (c) 2002-2020, by Derick Rethans

workstation12@workstation12-MS-7C09:/var/www/wordpress$ nano php.php

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo set\_php\_version.sh

Your php version is now

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo apt install php5.6-mysql

Reading package lists... Done

Building dependency tree

Reading state information... Done

php5.6-mysql is already the newest version (5.6.40-52+ubuntu20.04.1+deb.sury.org+1).

0 upgraded, 0 newly installed, 0 to remove and 11 not upgraded.

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo apt install php5.6-mysqli

Reading package lists... Done

Building dependency tree

Reading state information... Done

Note, selecting 'php5.6-mysql' instead of 'php5.6-mysqli'

php5.6-mysql is already the newest version (5.6.40-52+ubuntu20.04.1+deb.sury.org+1).

0 upgraded, 0 newly installed, 0 to remove and 11 not upgraded.

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo a2enmod php

ERROR: Module php does not exist!

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo a2enmod

Your choices are: access\_compat actions alias allowmethods asis auth\_basic auth\_digest auth\_form authn\_anon authn\_core authn\_dbd authn\_dbm authn\_file authn\_socache authnz\_fcgi authnz\_ldap authz\_core authz\_dbd authz\_dbm authz\_groupfile authz\_host authz\_owner authz\_user autoindex brotli buffer cache cache\_disk cache\_socache cern\_meta cgi cgid charset\_lite data dav dav\_fs dav\_lock dbd deflate dialup dir dump\_io echo env expires ext\_filter file\_cache filter headers heartbeat heartmonitor http2 ident imagemap include info lbmethod\_bybusyness lbmethod\_byrequests lbmethod\_bytraffic lbmethod\_heartbeat ldap log\_debug log\_forensic lua macro md mime mime\_magic mpm\_event mpm\_prefork mpm\_worker negotiation php5.6 php7.0 php7.1 php7.2 php7.3 proxy proxy\_ajp proxy\_balancer proxy\_connect proxy\_express proxy\_fcgi proxy\_fdpass proxy\_ftp proxy\_hcheck proxy\_html proxy\_http proxy\_http2 proxy\_scgi proxy\_uwsgi proxy\_wstunnel ratelimit reflector remoteip reqtimeout request rewrite sed session session\_cookie session\_crypto session\_dbd setenvif slotmem\_plain slotmem\_shm socache\_dbm socache\_memcache socache\_redis socache\_shmcb speling ssl status substitute suexec unique\_id userdir usertrack vhost\_alias xml2enc

Which module(s) do you want to enable (wildcards ok)?

php7.4

ERROR: Module php7.4 does not exist!

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo a2enmod php7.3

Considering dependency mpm\_prefork for php7.3:

Considering conflict mpm\_event for mpm\_prefork:

Considering conflict mpm\_worker for mpm\_prefork:

Module mpm\_prefork already enabled

Considering conflict php5 for php7.3:

Enabling module php7.3.

To activate the new configuration, you need to run:

systemctl restart apache2

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo service apache2 restart

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo service search php7.4

search: unrecognized service

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo apt search apache

Sorting... Done

Full Text Search... Done

activemq/focal,focal 5.15.11-1 all

Java message broker - server

alpine/focal 2.22+dfsg1-1 amd64

Text-based email client, friendly for novices but powerful

alpine-doc/focal,focal 2.22+dfsg1-1 all

Text-based email client's documentation

ant/focal,focal 1.10.7-1 all

Java based build tool like make

ant-contrib/focal,focal 1.0~b3+svn177-11 all

collection of tasks, types and other tools for Apache Ant

ant-doc/focal,focal 1.10.7-1 all

Java based build tool like make - API documentation and manual

ant-optional/focal,focal 1.10.7-1 all

Java based build tool like make - optional libraries

apache2/focal-updates,now 2.4.41-4ubuntu3.4 amd64 [installed,automatic]

Apache HTTP Server

apache2-bin/focal-updates,now 2.4.41-4ubuntu3.4 amd64 [installed,automatic]

Apache HTTP Server (modules and other binary files)

apache2-data/focal-updates,focal-updates,now 2.4.41-4ubuntu3.4 all [installed,automatic]

Apache HTTP Server (common files)

apache2-dev/focal-updates 2.4.41-4ubuntu3.4 amd64

Apache HTTP Server (development headers)

apache2-doc/focal-updates,focal-updates 2.4.41-4ubuntu3.4 all

Apache HTTP Server (on-site documentation)

apache2-ssl-dev/focal-updates 2.4.41-4ubuntu3.4 amd64

Apache HTTP Server (mod\_ssl development headers)

apache2-suexec-custom/focal-updates 2.4.41-4ubuntu3.4 amd64

Apache HTTP Server configurable suexec program for mod\_suexec

apache2-suexec-pristine/focal-updates 2.4.41-4ubuntu3.4 amd64

Apache HTTP Server standard suexec program for mod\_suexec

apache2-utils/focal-updates,now 2.4.41-4ubuntu3.4 amd64 [installed,automatic]

Apache HTTP Server (utility programs for web servers)

apacheds/focal,focal 2.0.0~M24-3 all

Apache Directory Server

apachetop/focal 0.19.7-2build1 amd64

Realtime Apache monitoring tool

asp.net-examples/focal,focal 4.2-2.1 all

demo pages for ASP.NET infrastructure

asql/focal,focal 1.6-1 all

Run SQL queries against apache logs

avro-bin/focal 1.9.0-1 amd64

Apache Avro C utilities (avro-c)

burrow/focal 1.2.1-1 amd64

Apache Kafka consumer lag checking

chasquid/focal 1.2-1 amd64

simple SMTP (email) server written in go

cl-modlisp/focal,focal 0.6-7.1 all

Common Lisp interface to the Apache mod-lisp module

collectd-core/focal 5.9.2.g-1ubuntu5 amd64

statistics collection and monitoring daemon (core system)

cortado/focal,focal 0.6.0-4 all

streaming applet for Ogg formats

cronolog/focal 1.6.2+rpk-3 amd64

Logfile rotator for web servers

cs/focal,focal 2.3.1-2 all

simple, yet powerful CloudStack API client

dacs/focal 1.4.40-2 amd64

Distributed Access Control System (DACS)

dehydrated-apache2/focal,focal 0.6.5-1 all

dehydrated challenge response support for Apache2

derby-doc/focal,focal 10.14.2.0-1 all

Apache Derby API documentation and examples

derby-tools/focal,focal 10.14.2.0-1 all

Apache Derby Tools

dwww/focal 1.13.5 amd64

Read all on-line documentation with a WWW browser

elog/focal 3.1.3-1-1build1 amd64

Logbook system to manage notes through a Web interface

elpa-apache-mode/focal,focal 2.2.0-2 all

Emacs major mode for editing Apache configuration files

emboss-explorer/focal,focal 2.2.0-10 all

web-based GUI to EMBOSS

erlang-p1-xmpp/focal 1.4.4-1 amd64

Erlang/Elixir XMPP parsing and serialization library

fail2ban/focal,focal 0.11.1-1 all

ban hosts that cause multiple authentication errors

gitweb/focal-updates,focal-updates,focal-security,focal-security 1:2.25.1-1ubuntu3.1 all

fast, scalable, distributed revision control system (web interface)

goaccess/focal 1:1.3-1 amd64

log analyzer and interactive viewer for the Apache Webserver

golang-github-confluentinc-confluent-kafka-go-dev/focal,focal 0.11.6-1 all

Apache Kafka Golang client by Confluent

golang-github-eapache-go-xerial-snappy-dev/focal,focal 0.0~git20160609.bb955e0-1 all

Xerial-compatible Snappy framing support for Go

golang-github-gorilla-handlers-dev/focal,focal 1.4.2-1 all

collection of useful handlers for Go's net/http package

golang-github-mesos-mesos-go-dev/focal,focal 0.0.6+dfsg-2 all

Go language bindings for Apache Mesos

golang-github-shopify-sarama-dev/focal,focal 1.22.1-1 all

Go library for Apache Kafka

golang-github-tendermint-go-wire-dev/focal,focal 1.0~rc+git20161223.40.2f3b7aa-2 all

Go bindings for the Wire encoding protocol

golang-github-xanzy-go-cloudstack-dev/focal,focal 2.1.1+git20160728.1.1e2cbf6-1 all

Golang API client to interact with Apache CloudStack

golang-gopkg-eapache-channels.v1-dev/focal,focal 1.1.0-1 all

collection of helpers around golang's existing channels

golang-gopkg-eapache-go-resiliency.v1-dev/focal,focal 1.0.0-5 all

resiliency patterns for golang

golang-gopkg-eapache-queue.v1-dev/focal,focal 1.0.2-4 all

fast golang queue using ring-buffer

google-android-sdk-docs-installer/focal,focal 24+r1 all

Android SDK Documentation from Google

gridsite/focal 3.0.0~20180202git2fdbc6f-3 amd64

Grid Security for the Web, Web platforms for Grids

gridsite-clients/focal 3.0.0~20180202git2fdbc6f-3 amd64

Clients to gridsite: htcp, htrm, htmv

gridsite-doc/focal,focal 3.0.0~20180202git2fdbc6f-3 all

Developers Documentation for gridsite

hashcat/focal 5.1.0+ds1-2 amd64

World's fastest and most advanced password recovery utility

hey/focal 0.1.2-2 amd64

Sends some load to a web application

http-icons/focal,focal 0~20041010-1 all

classic MIME icons

httpdirfs/focal 1.1.10-2 amd64

filesystem client for HTTP directory listings

ip2host/focal,focal 1.13-2 all

Resolve IPs to hostnames in web server logs

jardiff/focal,focal 0.2-5 all

tool to visualise API differences between two JAR files

javascript-common/focal,focal,now 11 all [installed,automatic]

Base support for JavaScript library packages

jdresolve/focal,focal 0.6.1-5.1 all

fast alternative to apache logresolve

jekyll/focal,focal 3.8.6+dfsg-3 all

Simple, blog aware, static site generator

jeuclid-cli/focal,focal 3.1.9-5 all

Complete MathML rendering solution (command line tools)

jeuclid-mathviewer/focal,focal 3.1.9-5 all

Complete MathML rendering solution (Swing MathViewer)

jmeter/focal,focal 2.13-4 all

Load testing and performance measurement application (main application)

jmeter-apidoc/focal,focal 2.13-4 all

Load testing and performance measurement application (API doc)

jmeter-ftp/focal,focal 2.13-4 all

Load testing and performance measurement application (ftp module)

jmeter-help/focal,focal 2.13-4 all

Load testing and performance measurement application (user manual)

jmeter-http/focal,focal 2.13-4 all

Load testing and performance measurement application (http module)

jmeter-java/focal,focal 2.13-4 all

Load testing and performance measurement application (java module)

jmeter-jms/focal,focal 2.13-4 all

Load testing and performance measurement application (jms module)

jmeter-junit/focal,focal 2.13-4 all

Load testing and performance measurement application (junit module)

jmeter-ldap/focal,focal 2.13-4 all

Load testing and performance measurement application (ldap module)

jmeter-mail/focal,focal 2.13-4 all

Load testing and performance measurement application (mail module)

jmeter-mongodb/focal,focal 2.13-4 all

Load testing and performance measurement application (mongodb module)

jmeter-tcp/focal,focal 2.13-4 all

Load testing and performance measurement application (tcp module)

jsonnet/focal 0.15.0+ds-1build1 amd64

data templating language

jsurf-alggeo/focal,focal 0.4.1+ds-3 all

Java based visualization library for real algebraic geometry

kafkacat/focal 1.5.0-1.1 amd64

generic producer and consumer for Apache Kafka

klone/focal,focal 2.1.0~rc1-1 all

embedded web application development framework

kopano-webapp-apache2/focal,focal 3.5.14+dfsg1.orig-1 all

WebApp for the Kopano Collaboration Platform - Apache2

ksystemlog/focal 4:19.12.3-0ubuntu1 amd64

system log viewer

ledgersmb/focal,focal 1.6.9+ds-1 all

financial accounting and ERP program

lemonldap-ng-handler/focal,focal 2.0.7+ds-2 all

Lemonldap::NG handler part

libactivemq-activeio-java/focal,focal 3.1.4-3 all

ActiveMQ ActiveIO protocol implementation framework

libactivemq-activeio-java-doc/focal,focal 3.1.4-3 all

ActiveMQ ActiveIO protocol implementation framework - documentation

libactivemq-java/focal,focal 5.15.11-1 all

Java message broker core libraries

libactivemq-protobuf-java/focal,focal 1.1-6 all

ActiveMQ Protocol Buffers Maven plugin

libactivemq-protobuf-java-doc/focal,focal 1.1-6 all

ActiveMQ Protocol Buffers Maven plugin - documentation

libaether-ant-tasks-java/focal,focal 1.0.1-5 all

Aether Ant Tasks

libapache-admin-config-perl/focal,focal 0.95-1 all

module to read/write Apache like configuration files

libapache-asp-perl/focal,focal 2.63-1 all

perl Apache::ASP - Active Server Pages for Apache with mod\_perl

libapache-authenhook-perl/focal 2.00-04+pristine-7 amd64

Perl API for Apache 2.1 authentication

libapache-authznetldap-perl/focal,focal 0.07-6 all

Apache-Perl module that enables to authorize a user with LDAP attributes

libapache-db-perl/focal 0.16-1build1 amd64

module to run the interactive Perl debugger under mod\_perl

libapache-dbi-perl/focal,focal 1.12-2 all

interface connecting Apache server to database via perl's DBI

libapache-dbilogger-perl/focal,focal 0.93-13 all

Perl module for tracking what's being transferred in a DBI database

libapache-directory-api-java/focal,focal 1.0.0-1 all

Apache Directory LDAP API

libapache-directory-jdbm-java/focal,focal 2.0.0~M2-2 all

ApacheDS JDBM Implementation

libapache-gallery-perl/focal,focal 1.0.2-5 all

Apache module to create image galleries on-the-fly

libapache-htgroup-perl/focal,focal 1.23-2 all

interface to Apache authentication group files

libapache-htpasswd-perl/focal,focal 1.9-1 all

module to manage Unix crypt-style password file

libapache-logformat-compiler-perl/focal,focal 0.36-1 all

Perl module to pre-compile a LogFormat string

libapache-mime4j-java/focal,focal 0.8.2-1 all

MIME and RFC822 parser for Java

libapache-mod-jk-doc/focal,focal 1:1.2.46-1 all

Documentation of libapache2-mod-jk package

libapache-opennlp-java/focal,focal 1.9.2-1 all

machine learning based toolkit for the processing of natural language text

libapache-poi-java/focal,focal 4.0.1-1 all

Apache POI - Java API for Microsoft Documents

libapache-poi-java-doc/focal,focal 4.0.1-1 all

Apache POI - Java API for Microsoft Documents (Documentation)

libapache-pom-java/focal,focal 18-1 all

Maven metadata for all Apache Software projects

libapache-session-browseable-perl/focal,focal 1.3.5-1 all

module adding index and search methods to Apache::Session

libapache-session-ldap-perl/focal,focal 0.4-1 all

LDAP implementation of Apache::Session

libapache-session-memcached-perl/focal,focal 0.03-2 all

Perl module for storing persistent data using memcached

libapache-session-perl/focal,focal 1.93-3 all

modules for keeping persistent user data across HTTP requests

libapache-session-sqlite3-perl/focal,focal 0.03-1 all

SQLite3 implementation of Apache::Session

libapache-session-wrapper-perl/focal,focal 0.34-3 all

simple wrapper around Apache::Session

libapache-sessionx-perl/focal,focal 2.01-5 all

extended persistence framework for session data

libapache-singleton-perl/focal,focal 0.17-1 all

Singleton class for mod\_perl

libapache-ssllookup-perl/focal 2.00-04-3 amd64

glue layer between Perl handlers and the mod\_ssl public API

libapache2-authcassimple-perl/focal,focal 0.10-3 all

Apache2 module to authenticate trough a CAS server

libapache2-authcookie-perl/focal,focal 3.28-1 all

Perl Authentication and Authorization via cookies

libapache2-mod-apparmor/focal-updates 2.13.3-7ubuntu5.1 amd64

changehat AppArmor library as an Apache module

libapache2-mod-apreq2/focal 2.13-7 amd64

generic Apache request library - Apache module

libapache2-mod-auth-cas/focal 1.2-1 amd64

CAS authentication module for Apache2

libapache2-mod-auth-gssapi/focal 1.6.1-1 amd64

GSSAPI Authentication module for Apache2

libapache2-mod-auth-kerb/focal 5.4-2.4 amd64

apache2 module for Kerberos authentication

libapache2-mod-auth-mellon/focal 0.16.0-1 amd64

SAML 2.0 authentication module for Apache

libapache2-mod-auth-openid/focal 0.8-5build1 amd64

OpenID authentication module for Apache2

libapache2-mod-auth-openidc/focal 2.4.1-1 amd64

OpenID Connect authentication module for Apache

libapache2-mod-auth-pgsql/focal 2.0.3-6.1ubuntu1 amd64

Module for Apache2 which provides PostgreSQL authentication

libapache2-mod-auth-plain/focal 2.0.52 amd64

Module for Apache2 which provides plaintext authentication

libapache2-mod-auth-pubtkt/focal 0.13-1 amd64

key-based single-sign-on authentication module for Apache

libapache2-mod-auth-radius/focal 1.5.8-1.3 amd64

Apache 2.x module for RADIUS authentication

libapache2-mod-auth-tkt/focal 2.3.99~b1-1 amd64

lightweight single-sign-on authentication module for Apache

libapache2-mod-authn-sasl/focal 1.2-2 amd64

SASL authentication backend provider for Apache

libapache2-mod-authn-yolo/focal 1.1-1 amd64

Yolo style authentication for Apache 2

libapache2-mod-authn-yubikey/focal 1.0-2 amd64

Yubikey authentication provider for Apache

libapache2-mod-authnz-external/focal 3.3.2-0.1 amd64

authenticate Apache against external authentication services

libapache2-mod-authnz-pam/focal 1.2.0-1 amd64

PAM authorization checker and PAM Basic Authentication provider

libapache2-mod-authz-securepass/focal 0~20150105.gitda462d3-1 amd64

Apache2 module for authorizing SecurePass users

libapache2-mod-authz-unixgroup/focal 1.1.0-0.1 amd64

access control based on on unix group membership for Apache

libapache2-mod-bw/focal 0.92-11 amd64

bandwidth limiting module for apache2

libapache2-mod-dacs/focal 1.4.40-2 amd64

Distributed Access Control System (DACS) - Apache Module

libapache2-mod-defensible/focal 1.4-3.2 amd64

module for Apache2 which provides DNSBL usage

libapache2-mod-dnssd/focal 0.6-3.2 amd64

Zeroconf support for Apache 2 via avahi

libapache2-mod-encoding/focal 20040616-6 amd64

Apache2 module for non-ascii filename interoperability

libapache2-mod-evasive/focal 1.10.1-4 amd64

evasive module to minimize HTTP DoS or brute force attacks

libapache2-mod-fcgid/focal 1:2.3.9-4 amd64

FastCGI interface module for Apache 2

libapache2-mod-form/focal 0~svn146-1 amd64

Apache module to decode data submitted from Web forms

libapache2-mod-form-dev/focal,focal 0~svn146-1 all

Apache module to decode data submitted from Web forms (development files)

libapache2-mod-geoip/focal 1.2.10-1 amd64

GeoIP support for apache2

libapache2-mod-gnutls/focal 0.9.0-1.1ubuntu1 amd64

Apache module for TLS encryption with GnuTLS

libapache2-mod-intercept-form-submit/focal 1.1.0-1 amd64

Apache module to intercept login form submission and run PAM authentication

libapache2-mod-jk/focal 1:1.2.46-1 amd64

Apache 2 connector for the Tomcat Java servlet engine

libapache2-mod-ldap-userdir/focal 1.1.19-2.1 amd64

Apache module that provides UserDir lookups via LDAP

libapache2-mod-ldap-userdir-dbg/focal 1.1.19-2.1 amd64

Debugging symbols for mod\_ldap\_userdir

libapache2-mod-lisp/focal 1.3.1-1.3 amd64

An Apache2 module that interfaces with Lisp environments

libapache2-mod-log-slow/focal 1.0.8-3 amd64

Apache module for logging of slow requests handling

libapache2-mod-log-sql/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - Base

libapache2-mod-log-sql-dbi/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - DBI interface

libapache2-mod-log-sql-mysql/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - MySQL interface

libapache2-mod-log-sql-ssl/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - SSL extension

libapache2-mod-lookup-identity/focal 1.0.0-1 amd64

Apache module to retrieve additional information about the authenticated user

libapache2-mod-mapcache/focal 1.10.0-1 amd64

tile caching server - Apache module

libapache2-mod-md/focal-updates 2.4.41-4ubuntu3.4 amd64

transitional package

libapache2-mod-mime-xattr/focal 0.4-6 amd64

Apache2 module to get MIME info from filesystem extended attributes

libapache2-mod-mono/focal 3.8-3 amd64

Apache module for running ASP.NET applications on Mono

libapache2-mod-musicindex/focal 1.4.1-3build2 amd64

Browse, stream, download and search through MP3/Ogg/FLAC files

libapache2-mod-neko/focal 2.3.0-1 amd64

Apache module for running server-side Neko programs

libapache2-mod-netcgi-apache/focal 4.1.6-1build6 amd64

OCaml application-level Internet libraries - netcgi2 Apache2 connector

libapache2-mod-parser3/focal 3.4.5-7 amd64

Parser 3, HTML-embedded scripting language (Apache2 module)

libapache2-mod-passenger/focal 5.0.30-1.1ubuntu3 amd64

Rails and Rack support for Apache2

libapache2-mod-perl2/focal-updates 2.0.11-2ubuntu0.20.04.1 amd64

Integration of perl with the Apache2 web server

libapache2-mod-perl2-dev/focal-updates,focal-updates 2.0.11-2ubuntu0.20.04.1 all

Integration of perl with the Apache2 web server - development files

libapache2-mod-perl2-doc/focal-updates,focal-updates 2.0.11-2ubuntu0.20.04.1 all

Integration of perl with the Apache2 web server - documentation

libapache2-mod-php/focal,focal 2:8.0+84+ubuntu20.04.1+deb.sury.org+1 all

server-side, HTML-embedded scripting language (Apache 2 module) (default)

libapache2-mod-php5.6/focal,now 5.6.40-52+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.0/focal,now 7.0.33-52+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.1/focal,now 7.1.33-39+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.2/focal,now 7.2.34-23+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.3/focal,now 7.3.29-1+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.4/focal 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php8.0/focal 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-proxy-msrpc/focal 0.6-1 amd64

Apache module for Outlook Anywhere support in reverse proxy setups

libapache2-mod-proxy-uwsgi/focal-updates 2.4.41-4ubuntu3.4 amd64

transitional package

libapache2-mod-python/focal 3.3.1-11ubuntu5 amd64

Python-embedding module for Apache 2

libapache2-mod-python-doc/focal,focal 3.3.1-11ubuntu5 all

Python-embedding module for Apache 2 - documentation

libapache2-mod-qos/focal 11.63-1 amd64

quality of service module for the apache2

libapache2-mod-r-base/focal 1.2.8-1 amd64

server-side R integration with Apache 2

libapache2-mod-removeip/focal 1.0b-5.3 amd64

Module to remove IP from apache2's logs

libapache2-mod-rivet/focal 3.1.1-1 amd64

Server-side Tcl programming system combining ease of use and power

libapache2-mod-rivet-doc/focal,focal 3.1.1-1 all

Documentation for Rivet, a server-side Tcl programming system

libapache2-mod-rpaf/focal 0.6-13 amd64

module for Apache2 which takes the last IP from the 'X-Forwarded-For' header

libapache2-mod-ruid2/focal 0.9.8-3 amd64

suexec module for Apache 2

libapache2-mod-ruwsgi/focal 2.0.18-11ubuntu1 amd64

uwsgi module for Apache2 (mod\_Ruwsgi)

libapache2-mod-ruwsgi-dbg/focal 2.0.18-11ubuntu1 amd64

debugging symbols for Apache2 mod\_Ruwsgi

libapache2-mod-security2/focal 2.9.3-1 amd64

Tighten web applications security for Apache

libapache2-mod-shib/focal-updates,focal-security 3.0.4+dfsg1-1ubuntu0.2 amd64

Federated web single sign-on system (Apache module)

libapache2-mod-shib2/focal-updates,focal-updates,focal-security,focal-security 3.0.4+dfsg1-1ubuntu0.2 all

transitional package

libapache2-mod-svn/focal 1.13.0-3 amd64

Apache Subversion server modules for Apache httpd

libapache2-mod-upload-progress/focal 0.2-2 amd64

upload progress support for the Apache web server

libapache2-mod-uwsgi/focal 2.0.18-11ubuntu1 amd64

uwsgi module for Apache2 (mod\_uwsgi)

libapache2-mod-uwsgi-dbg/focal 2.0.18-11ubuntu1 amd64

debugging symbols for Apache2 mod\_uwsgi

libapache2-mod-vhost-ldap/focal 2.4.0-1 amd64

Apache 2 module for Virtual Hosting from LDAP

libapache2-mod-watchcat/focal 1.1.2-1 amd64

Process monitoring Apache module

libapache2-mod-webauth/focal 4.7.0-7build1 amd64

Apache module for WebAuth authentication

libapache2-mod-webauthldap/focal 4.7.0-7build1 amd64

Apache module for WebAuth LDAP lookup and authorization

libapache2-mod-webkdc/focal 4.7.0-7build1 amd64

Apache modules for a WebAuth authentication KDC

libapache2-mod-wsgi/focal 4.6.8-1ubuntu3 amd64

Python WSGI adapter module for Apache

libapache2-mod-wsgi-py3/focal 4.6.8-1ubuntu3 amd64

Python 3 WSGI adapter module for Apache

libapache2-mod-xforward/focal 0.6-1 amd64

Apache module implements redirection based on X-Forward response header

libapache2-mod-xsendfile/focal 0.12-2 amd64

Serve large static files efficiently from web applications

libapache2-mpm-itk/focal 2.4.7-04-1 amd64

multiuser module for Apache

libapache2-reload-perl/focal,focal 0.13-3 all

module for reloading Perl modules when changed on disk

libapache2-request-perl/focal 2.13-7 amd64

generic Apache request library - Perl modules

libapache2-sitecontrol-perl/focal,focal 1.05-2 all

perl web site authentication/authorization system

libapacheds-i18n-java/focal,focal 2.0.0~M24-3 all

Apache Directory Server (i18n)

libapacheds-java/focal,focal 2.0.0~M24-3 all

Apache Directory Server (Libraries)

libapacheds-kerberos-codec-java/focal,focal 2.0.0~M24-3 all

Apache Directory Server (Kerberos Codec)

libapp-control-perl/focal,focal 1.02-3 all

Perl module for apachectl style control of another executable

libapr-memcache-dev/focal 0.7.0-3build1 amd64

memcache client - development libraries

libapr-memcache0/focal 0.7.0-3build1 amd64

memcache client - shared library

libapr1/focal,now 1.6.5-1ubuntu1 amd64 [installed,automatic]

Apache Portable Runtime Library

libapr1-dbg/focal 1.6.5-1ubuntu1 amd64

Apache Portable Runtime Library - Debugging Symbols

libapr1-dev/focal 1.6.5-1ubuntu1 amd64

Apache Portable Runtime Library - Development Headers

libapreq2-3/focal 2.13-7 amd64

generic Apache request library

libapreq2-dev/focal 2.13-7 amd64

generic Apache request library - development files

libapreq2-doc/focal,focal 2.13-7 all

generic Apache request library - documentation

libaprutil1/focal,now 1.6.1-4ubuntu2 amd64 [installed,automatic]

Apache Portable Runtime Utility Library

libaprutil1-dbd-mysql/focal 1.6.1-4ubuntu2 amd64

Apache Portable Runtime Utility Library - MySQL Driver

libaprutil1-dbd-odbc/focal 1.6.1-4ubuntu2 amd64

Apache Portable Runtime Utility Library - ODBC Driver

libaprutil1-dbd-pgsql/focal 1.6.1-4ubuntu2 amd64

Apache Portable Runtime Utility Library - PostgreSQL Driver

libaprutil1-dbd-sqlite3/focal,now 1.6.1-4ubuntu2 amd64 [installed,automatic]

Apache Portable Runtime Utility Library - SQLite3 Driver

libaprutil1-dbg/focal 1.6.1-4ubuntu2 amd64

Apache Portable Runtime Utility Library - Debugging Symbols

libaprutil1-dev/focal 1.6.1-4ubuntu2 amd64

Apache Portable Runtime Utility Library - Development Headers

libaprutil1-ldap/focal,now 1.6.1-4ubuntu2 amd64 [installed,automatic]

Apache Portable Runtime Utility Library - LDAP Driver

libauthen-htpasswd-perl/focal,focal 0.171-2 all

Perl module to read and modify Apache .htpasswd files

libavcodec-extra58/focal-updates,focal-security 7:4.2.4-1ubuntu0.1 amd64

FFmpeg library with additional de/encoders for audio/video codecs

libavfilter-extra7/focal-updates,focal-security 7:4.2.4-1ubuntu0.1 amd64

FFmpeg library with extra media filters - runtime files

libavro-compiler-java/focal,focal 1.8.2-1 all

Apache Avro compiler for Java

libavro-dev/focal 1.9.0-1 amd64

Apache Avro C library headers (avro-c)

libavro-java/focal,focal 1.8.2-1 all

Apache Avro data serialization system

libavro-maven-plugin-java/focal,focal 1.8.2-1 all

Apache Avro Maven plugin

libavro23/focal 1.9.0-1 amd64

Apache Avro C shared library (avro-c)

libaxiom-java/focal,focal 1.2.8-2fakesync1 all

Apache AXIOM - StAX-based XML Infoset compliant object model

libaxis-java/focal,focal 1.4-28 all

SOAP implementation in Java

libaxis-java-doc/focal,focal 1.4-28 all

SOAP implementation in Java (documentation)

libbatik-java/focal,focal 1.12-1 all

xml.apache.org SVG Library

libbsf-java/focal,focal 1:2.4.0-8 all

Bean Scripting Framework to support scripting languages in Java

libbsf-java-doc/focal,focal 1:2.4.0-8 all

Bean Scripting Framework to support scripting - documentation

libcarrotsearch-randomizedtesting-java/focal,focal 2.1.17-4 all

Randomized testing infrastructure for JUnit, Ant and Maven

libcatalyst-engine-apache-perl/focal,focal 1.16-2 all

Catalyst engine for Apache 1.x and 2.x

libcgi-compress-gzip-perl/focal,focal 1.03-2 all

module to allow automatically compressed CGI output

libcgi-expand-perl/focal,focal 2.05-4 all

convert flat hash to nested data using TT2's dot convention

libcgi-ssi-parser-perl/focal,focal 0.01-1.2 all

used in CGI scripts for parsing SSI directives

libcgi-ssi-perl/focal,focal 0.92-5 all

Perl module to use SSI from CGI scripts

libclj-http-clojure/focal,focal 2.3.0-1 all

Clojure HTTP client library

libclucene-contribs1v5/focal,now 2.3.3.4+dfsg-1build1 amd64 [installed,automatic]

language specific text analyzers (runtime)

libclucene-core1v5/focal,now 2.3.3.4+dfsg-1build1 amd64 [installed,automatic]

core library for full-featured text search engine (runtime)

libclucene-dev/focal 2.3.3.4+dfsg-1build1 amd64

library for full-featured text search engine (development)

libcommons-beanutils-java/focal,focal 1.9.4-1 all

Apache Commons BeanUtils - Utility for manipulating Java beans

libcommons-beanutils-java-doc/focal,focal 1.9.4-1 all

Apache Commons BeanUtils - Documentation

libcommons-cli-java/focal,focal 1.4-1 all

Command line arguments and options parsing library

libcommons-codec-java/focal,focal 1.14-1 all

encoder and decoders such as Base64 and hexadecimal codec

libcommons-codec-java-doc/focal,focal 1.14-1 all

encoder and decoders such as Base64 and hexadecimal codec - documentation

libcommons-collections3-java/focal,focal 3.2.2-2 all

Apache Commons Collections - Extended Collections API for Java

libcommons-collections4-java/focal,focal 4.2-1 all

Apache Commons Collections - Extended Collections API for Java

libcommons-compress-java/focal,focal 1.19-1 all

Java API for working with compression and archive formats

libcommons-csv-java/focal,focal 1.7-1 all

Library for reading and writing CSV files

libcommons-daemon-java/focal,focal 1.0.15-8 all

Library to launch Java applications as daemons

libcommons-dbcp-java/focal,focal 1.4-6 all

Database Connection Pooling Services

libcommons-dbcp-java-doc/focal,focal 1.4-6 all

Database Connection Pooling Services - documentation

libcommons-dbcp2-java/focal,focal 2.7.0-1 all

Database Connection Pooling Services 2

libcommons-email-java/focal,focal 1.5-3 all

Apache Commons Java API for sending email

libcommons-jexl2-java/focal,focal 2.1.1-4 all

Apache Commons JEXL - Java Expression Language

libcommons-jexl2-java-doc/focal,focal 2.1.1-4 all

Documentation for Apache Commons JEXL

libcommons-jexl3-java/focal,focal 3.1-1 all

Apache Commons JEXL - Java Expression Language

libcommons-jxpath-java/focal,focal 1.3-9 all

Apache Commons JXPath - XPath expressions applied to Java objects

libcommons-lang3-java/focal,focal 3.8-2 all

Apache Commons Lang utility classes

libcommons-lang3-java-doc/focal,focal 3.8-2 all

Apache Commons Lang utility classes (documentation)

libcommons-math-java/focal,focal 2.2-7 all

Java lightweight mathematics and statistics components

libcommons-math-java-doc/focal,focal 2.2-7 all

Java lightweight mathematics and statistics components - documentation

libcommons-math3-java/focal,focal 3.6.1-3 all

Java lightweight mathematics and statistics components

libcommons-math3-java-doc/focal,focal 3.6.1-3 all

Java lightweight mathematics and statistics components - documentation

libcommons-net-java/focal,focal 3.6-1 all

Apache Commons Net - Java client API for basic Internet protocols

libcommons-net-java-doc/focal,focal 3.6-1 all

Apache Commons Net (API documentation)

libcommons-parent-java/focal,focal 43-1 all

Maven metadata for Apache Commons project

libcommons-pool2-java/focal,focal 2.8.0-1 all

Apache Commons Pool 2 - Pooling implementation for Java objects

libcommons-text-java/focal,focal 1.8-2 all

Apache Commons Text

libcommons-vfs-java/focal,focal 2.1-2 all

Java API for accessing various filesystems

libcommons-vfs-java-doc/focal,focal 2.1-2 all

Java API for accessing various filesystems - documentation

libconfig-any-perl/focal,focal 0.32-1 all

module to load configuration from different file formats

libconfig-apacheformat-perl/focal,focal 1.2-5 all

Perl module to parse Apache format config files

libconfig-find-perl/focal,focal 0.31-1 all

module to search configuration files using OS dependent heuristics

libconfig-general-perl/focal,focal 2.63-1 all

generic configuration module

libcurator-client-java/focal,focal 2.7.1-2 all

Apache Curator Client

libcurator-discovery-java/focal,focal 2.7.1-2 all

Apache Curator Service Discovery

libcurator-framework-java/focal,focal 2.7.1-2 all

Apache Curator Framework

libcurator-parent-java/focal,focal 2.7.1-2 all

Apache Curator Parent

libcurator-recipes-java/focal,focal 2.7.1-2 all

Apache Curator Recipes

libcurator-test-java/focal,focal 2.7.1-2 all

Apache Curator Testing Utilities

libdaemon-generic-perl/focal,focal 0.85-1 all

framework to provide start/stop/reload for a daemon

libderby-java/focal,focal 10.14.2.0-1 all

Apache Derby Database Engine and Embedded JDBC Driver

libderbyclient-java/focal,focal 10.14.2.0-1 all

Apache Derby Client JDBC Driver

libdotconf-dev/focal 1.3-0.3fakesync1 amd64

Configuration file parser library - development files

libdotconf0/focal,now 1.3-0.3fakesync1 amd64 [installed,automatic]

Configuration file parser library - runtime files

libdotconf0-dbg/focal 1.3-0.3fakesync1 amd64

Configuration file parser library - debugging symbols

libdropwizard-metrics-java/focal,focal 3.2.5-1 all

capture JVM- and application-level metrics for Java applications

libembperl-perl/focal 2.5.0-13ubuntu1 amd64

system for building dynamic websites with Perl

libfelix-gogo-command-java/focal,focal 0.14.0-2 all

Apache Felix Gogo Command bundle

libfelix-gogo-command-java-doc/focal,focal 0.14.0-2 all

Documentation for Apache Felix Gogo Command bundle

libfelix-gogo-runtime-java/focal,focal 0.16.2-1 all

Apache Felix Gogo Runtime bundle

libfelix-gogo-runtime-java-doc/focal,focal 0.16.2-1 all

Documentation for Apache Felix Gogo Runtime bundle

libfelix-gogo-shell-java/focal,focal 0.12.0-1 all

Apache Felix Gogo Shell bundle

libfelix-gogo-shell-java-doc/focal,focal 0.12.0-1 all

Documentation for Apache Felix Gogo Shell bundle

libfelix-osgi-obr-java/focal,focal 1.0.2-5fakesync1 all

OSGi OBR Service API

libfelix-osgi-obr-java-doc/focal,focal 1.0.2-5fakesync1 all

Javadoc API for OSGi OBR Service API

libfelix-resolver-java/focal,focal 1.14.0-1 all

OSGi Resolver implementation by Apache Felix

libfelix-shell-java/focal,focal 1.4.3-2 all

Felix OSGi shell to issue commands to the framework

libfelix-shell-tui-java/focal,focal 1.4.1-4 all

Apache Felix Shell TUI

libfelix-shell-tui-java-doc/focal,focal 1.4.1-4 all

Documentation for Apache Felix Shell TUI

libfelix-utils-java/focal,focal 1.8.6-1 all

collection of utility classes for Apache Felix

libfelix-utils-java-doc/focal,focal 1.8.6-1 all

collection of utility classes for Apache Felix - documentation

libfile-listing-perl/focal,focal,now 6.04-1 all [installed,automatic]

module to parse directory listings

libfile-mmagic-perl/focal,focal 1.30-1 all

Perl module to guess file type

libfile-mmagic-xs-perl/focal 0.09008-2build5 amd64

Perl module to guess file type (à la mod\_mime\_magic)

libfontbox-java/focal,focal 1:1.8.16-2 all

Java font library

libfontbox-java-doc/focal,focal 1:1.8.16-2 all

Java font library (Documentation)

libfontbox2-java/focal,focal 2.0.18-1 all

Java font library

libfontbox2-java-doc/focal,focal 2.0.18-1 all

Java font library (Documentation)

libfpm-helper0/focal 4.2-2.1 amd64

ASP.NET backend for FastCGI Process Manager - helper lib

libgeronimo-annotation-1.3-spec-java/focal,focal 1.0-1 all

Apache Geronimo Common Annotations 1.3 API

libgeronimo-concurrent-1.0-spec-java/focal,focal 1.0~alpha-1-1 all

Apache Geronimo Concurrency Utilities for Java EE API

libgeronimo-ejb-3.2-spec-java/focal,focal 1.0~alpha-1-2 all

Apache Geronimo EJB 3.2 API

libgeronimo-interceptor-3.0-spec-java/focal,focal 1.0.1-4fakesync all

Geronimo API implementation of the Interceptor 3.0 spec

libgeronimo-j2ee-management-1.1-spec-java/focal,focal 1.0.1-1 all

Apache Geronimo J2EE Management 1.1 API

libgeronimo-jcache-1.0-spec-java/focal,focal 1.0~alpha-1-1 all

Apache Geronimo JCache 1.0 API

libgeronimo-jpa-2.0-spec-java/focal,focal 1.1-3 all

Geronimo JSR-317 Java Persistence (JPA) 2.0 Spec API

libgeronimo-jpa-2.0-spec-java-doc/focal,focal 1.1-3 all

Documentation for libgeronimo-jpa-2.0-spec-java

libgeronimo-jta-1.2-spec-java/focal,focal 1.0~alpha-1-2 all

Apache Geronimo JTA 1.2 API

libgeronimo-validation-1.0-spec-java/focal,focal 1.1-3 all

Geronimo JSR-303 Bean Validation Spec API

libgeronimo-validation-1.0-spec-java-doc/focal,focal 1.1-3 all

Documentation for libgeronimo-validation-1.0-spec-java

libgeronimo-validation-1.1-spec-java/focal,focal 1.0-2 all

Geronimo JSR-349 Bean Validation Spec API

libgeronimo-validation-1.1-spec-java-doc/focal,focal 1.0-2 all

Documentation for libgeronimo-validation-1.1-spec-java

libgraxxia-java/focal,focal 1.0~20150714-2 all

Wrappers for doing Mathematics in Groovy

libgridsite-dev/focal 3.0.0~20180202git2fdbc6f-3 amd64

Developers tools for gridsite

libgridsite6/focal 3.0.0~20180202git2fdbc6f-3 amd64

Run time libraries for mod\_gridsite and gridsite-clients

libhtml-lint-perl/focal,focal 2.32+dfsg-1 all

checker of HTML errors in strings or files

libiconv-hook1/focal 0.0.20021209-11 amd64

extension of iconv for libapache-mod-encoding

libjackrabbit-java/focal,focal 2.18.0+r2.14.6-1 all

content repository implementation (JCR API)

libjarchivelib-java/focal,focal 1.0.0-2 all

simple archiving and compression library for Java

libjaxp1.3-java/focal,focal 1.3.05-5 all

Java XML parser and transformer APIs (DOM, SAX, JAXP, TrAX)

libjbzip2-java/focal,focal 0.9.1-5 all

bzip2 compression/decompression library

libjempbox-java/focal,focal 1:1.8.16-2 all

XMP Compatible Java Library

libjempbox-java-doc/focal,focal 1:1.8.16-2 all

XMP Compatible Java Library (documentation)

libjettison-java/focal,focal 1.4.0-1 all

collection of StAX parsers and writers for JSON

libjeuclid-core-java/focal,focal 3.1.9-5 all

Complete MathML rendering solution (java classes)

libjeuclid-fop-java/focal,focal 3.1.9-5 all

Complete MathML rendering solution (fop plugin)

libjglobus-axisg-java/focal,focal 2.1.0-8 all

Globus Java - Apache AXIS support

libjs-jquery-jush/focal,focal 12-1.1 all

jQuery Syntax Highlighter

libjsonnet-dev/focal 0.15.0+ds-1build1 amd64

data templating language (devel)

libjsonnet0/focal 0.15.0+ds-1build1 amd64

data templating language (lib)

libkinosearch1-perl/focal 1.01-4build4 amd64

Perl library providing search engine features

liblinux-pid-perl/focal 0.04-1build6 amd64

wrapper around the getpid() and getppid() C functions

liblog-log4perl-perl/focal,focal 1.49-1 all

Perl port of the widely popular log4j logging package

liblog4ada-doc/focal,focal 1.3.1.b6dafb49-2 all

Ada library for flexible logging (documentation)

liblog4ada5/focal 1.3.1.b6dafb49-2 amd64

Ada library for flexible logging (runtime)

liblog4ada6-dev/focal 1.3.1.b6dafb49-2 amd64

Ada library for flexible logging (development)

liblog4c-dev/focal 1.2.4-2 amd64

C library for flexible logging (development)

liblog4c-doc/focal,focal 1.2.4-2 all

C library for flexible logging (documentation)

liblog4c3/focal 1.2.4-2 amd64

C library for flexible logging (runtime)

liblog4cpp-doc/focal,focal 1.0-2 all

C++ library for flexible logging (documentation)

liblog4cpp5-dev/focal 1.1.3-1ubuntu1 amd64

C++ library for flexible logging (development)

liblog4cpp5v5/focal 1.1.3-1ubuntu1 amd64

C++ library for flexible logging (runtime)

liblog4j-extras1.2-java/focal,focal 1.2.17-2 all

Extras for Apache log4j

liblog4j-extras1.2-java-doc/focal,focal 1.2.17-2 all

Documentation for Extras for Apache log4j.

liblog4j1.2-java-doc/focal,focal 1.2.17-9 all

Documentation for liblog4j1.2-java

liblog4j2-java/focal,focal 2.11.2-1 all

Apache Log4j - Logging Framework for Java

liblog4j2-java-doc/focal,focal 2.11.2-1 all

Documentation for Apache Log4j 2

liblog4net-cil-dev/focal-updates,focal-updates,focal-security,focal-security 1.2.10+dfsg-7ubuntu0.20.04.1 all

highly configurable logging API for the CLI

liblog4net1.2-cil/focal-updates,focal-updates,focal-security,focal-security 1.2.10+dfsg-7ubuntu0.20.04.1 all

highly configurable logging API for the CLI

liblog4tango-dev/focal 9.2.5a+dfsg1-2ubuntu1 amd64

logging for TANGO - development library

liblog4tango-doc/focal,focal 9.2.5a+dfsg1-2ubuntu1 all

logging for TANGO - documentation

liblog4tango5v5/focal 9.2.5a+dfsg1-2ubuntu1 amd64

logging for TANGO - shared library

libmasonx-request-withapachesession-perl/focal,focal 0.31-1 all

Session handler in the Mason Request object

libmaven-artifact-transfer-java/focal,focal 0.9.1-4 all

Apache Maven Artifact Transfer

libmaven-mapping-java/focal,focal 3.0.0-1 all

Apache Maven Mapping

libmaven-parent-java/focal,focal 31-2 all

Maven metadata for Apache Maven itself

libmaven-reporting-exec-java/focal,focal 1.4-2 all

Apache Maven Reporting Executor

libmaven-resolver-java/focal,focal 1.4.1-1 all

Library to handle Java artifact repositories

libmaven-resolver-transport-http-java/focal,focal 1.4.1-1 all

Library to handle Java artifact repositories (HTTP transport)

libmavibot-java/focal,focal 1.0.0~M8-1 all

Apache Mavibot - MVCC BTree Java Implementation

libmina-java/focal,focal 1.1.7.dfsg-13 all

Java network application framework

libmina-java-doc/focal,focal 1.1.7.dfsg-13 all

Java network application framework - documentation

libmina2-java/focal,focal 2.0.19-2 all

Java network application framework

libmina2-java-doc/focal,focal 2.0.19-2 all

Java network application framework - documentation

libmodule-refresh-perl/focal,focal 0.17-1 all

tool to refresh %INC files when updated on disk

libnet-server-perl/focal,focal 2.009-2 all

extensible, general perl server engine

libnet-stomp-perl/focal,focal 0.60-1 all

Perl module providing a Streaming Text Orientated Messaging Protocol client

libnetsds-perl/focal,focal 1.301-3 all

Service Delivery Suite framework

libnetty-tcnative-java/focal,focal 2.0.28-1 all

Tomcat native fork for Netty

libnetty-tcnative-jni/focal 2.0.28-1 amd64

Tomcat native fork for Netty (JNI library)

libnginx-mod-http-subs-filter/focal-updates,focal-security 1.18.0-0ubuntu1.2 amd64

Substitution filter module for Nginx

liboauth-signpost-java/focal,focal 1.2.1.2-3 all

simple OAuth message signing for Java

libocamlnet-ocaml-dev/focal 4.1.6-1build6 amd64

OCaml application-level Internet libraries - core development libraries

libopenjpa-java/focal,focal 2.4.2-6 all

Java Persistence 2.0 API (JPA) implementation library

libpantomime-clojure/focal,focal 2.1.0+dfsg-1 all

Clojure library dealing with MIME types

libpdfbox-java/focal,focal 1:1.8.16-2 all

PDF library for Java

libpdfbox-java-doc/focal,focal 1:1.8.16-2 all

PDF library for Java (documentation)

libpdfbox2-java/focal,focal 2.0.18-1 all

PDF library for Java

libpdfbox2-java-doc/focal,focal 2.0.18-1 all

PDF library for Java (documentation)

libplack-middleware-expires-perl/focal,focal 0.06-1 all

mod\_expires for plack

libplexus-io-java/focal,focal 3.1.1-1 all

Plexus IO Components

libplucene-perl/focal,focal 1.25-4 all

Perl port of the Lucene search engine

libportlet-api-2.0-spec-java/focal,focal 1.0-2.1 all

Java Portlet Specification V2.0

libportlet-api-2.0-spec-java-doc/focal,focal 1.0-2.1 all

Java Portlet Specification V2.0 - documentation

libpuppetlabs-http-client-clojure/focal,focal 0.9.0-1 all

Clojure wrapper around libhttpasyncclient-java

librdkafka++1/focal 1.2.1-1ubuntu1 amd64

library implementing the Apache Kafka protocol (C++ bindings)

librdkafka-dev/focal 1.2.1-1ubuntu1 amd64

library implementing the Apache Kafka protocol (development headers)

librdkafka1/focal 1.2.1-1ubuntu1 amd64

library implementing the Apache Kafka protocol

libreverseproxy-formfiller-perl/focal,focal 0.5-1 all

ModPerl module to fill and submit any html form

librose-uri-perl/focal,focal 1.02-1 all

module for an easy manipulation of URI components

librpc-xml-perl/focal,focal 0.80-2 all

Perl implementation of the XML-RPC protocol

librunapp-perl/focal,focal 0.13-2 all

generic module to run web-applications

libsambox-java/focal,focal 1.1.55-1 all

SAMBox PDF processor

libserf-1-1/focal 1.3.9-8build1 amd64

high-performance asynchronous HTTP client library

libserf-dev/focal 1.3.9-8build1 amd64

high-performance asynchronous HTTP client library headers

libshiro-java/focal-updates,focal-updates,focal-security,focal-security 1.3.2-4ubuntu0.1 all

Apache Shiro - Java Security Framework

libslf4j-java/focal,focal 1.7.25-3 all

Simple Logging Facade for Java

libsvn-dev/focal 1.13.0-3 amd64

Development files for Apache Subversion libraries

libsvn-doc/focal,focal 1.13.0-3 all

Developer documentation for libsvn

libsvn-java/focal 1.13.0-3 amd64

Java bindings for Apache Subversion

libsvn-perl/focal 1.13.0-3 amd64

Perl bindings for Apache Subversion

libsvn1/focal 1.13.0-3 amd64

Shared libraries used by Apache Subversion

libtaglibs-standard-impl-java/focal,focal 1.2.5-2 all

Apache JSP Standard Taglib Implementation

libtaglibs-standard-jstlel-java/focal,focal 1.2.5-2 all

Apache JSP Standard Taglib 1.0 EL Support

libtaglibs-standard-spec-java/focal,focal 1.2.5-2 all

Apache JSP Standard Taglib Specification API

libtcnative-1/focal 1.2.23-1 amd64

Tomcat native library using the Apache Portable Runtime

libtie-dxhash-perl/focal,focal 1.05-2 all

Perl module that keeps insertion order in hash

libtika-java/focal,focal 1.22-1 all

Apache Tika - content analysis toolkit

libtiles-autotag-java/focal,focal 1.2-2 all

Automatic tag generation for Apache Tiles

libtiles-java/focal,focal 3.0.7-4 all

Java templating framework for web application user interfaces

libtiles-java-doc/focal,focal 3.0.7-4 all

Java templating framework for web application user interfaces - documentation

libtomcat9-embed-java/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine -- embed libraries

libtomcat9-java/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine -- core libraries

libtools-logging-clojure/focal,focal 0.2.3-6 all

Logging macros for Clojure

libuima-adapter-soap-java/focal,focal 2.10.2-3 all

Library to provide SOAP web services within UIMA

libuima-adapter-vinci-java/focal,focal 2.10.2-3 all

Library to provide Vinci web services within UIMA

libuima-addons-java/focal,focal 2.3.1-8 all

Apache UIMA Addons

libuima-as-java/focal,focal 2.3.1-9 all

Apache UIMA Asynch Scaleout framework

libuima-as-java-doc/focal,focal 2.3.1-9 all

Documentation for Apache UIMA Asynch Scaleout framework

libuima-core-java/focal,focal 2.10.2-3 all

Core library for the UIMA framework

libuima-cpe-java/focal,focal 2.10.2-3 all

Library for the UIMA Collection Processing Engine

libuima-document-annotation-java/focal,focal 2.10.2-3 all

Library for the UIMA document annotation

libuima-tools-java/focal,focal 2.10.2-3 all

UIMA library for the UIMA tools

libuima-vinci-java/focal,focal 2.10.2-3 all

Library to handle Vinci web service protocol

libwcat1/focal 1.1-1.1 amd64

Process monitoring library

libwcat1-dev/focal 1.1-1.1 amd64

Process monitoring library

libweb-id-perl/focal,focal 1.927-2 all

implementation of WebID (a.k.a. FOAF+SSL)

libwinpr2-2/focal-updates,focal-security,now 2.2.0+dfsg1-0ubuntu0.20.04.1 amd64 [installed,automatic]

Windows Portable Runtime library

libwinpr2-dev/focal-updates,focal-security 2.2.0+dfsg1-0ubuntu0.20.04.1 amd64

Windows Portable Runtime library (development files)

libws-commons-util-java/focal,focal 1.0.1-10 all

Common utilities from the Apache Web Services Project

libwss4j-java/focal,focal 1.6.19-2 all

Apache WSS4J WS-Security implementation

libxalan-c-dev/focal 1.11-9build1 amd64

XSLT processor library for C++ [development]

libxalan-c111/focal 1.11-9build1 amd64

XSLT processor library for C++

libxml-commons-resolver1.1-java/focal,focal 1.2-9 all

XML entity and URI resolver library

libxml-commons-resolver1.1-java-doc/focal,focal 1.2-9 all

XML entity and URI resolver library -- documentation

libxml-security-c-dev/focal 2.0.2-3build1 amd64

C++ library for XML Digital Signatures (development)

libxml-security-c20/focal 2.0.2-3build1 amd64

C++ library for XML Digital Signatures (runtime)

libxml-security-java/focal,focal 2.0.10-2 all

Apache Santuario -- XML Security for Java

libxml-security-java-doc/focal,focal 2.0.10-2 all

Documentation for Apache Santuario

libxmlbeans-maven-plugin-java/focal,focal 2.3.3-4 all

Maven XMLBeans Plugin

libxmlgraphics-commons-java/focal,focal 2.4-1 all

Reusable components used by Batik and FOP

libxmlgraphics-commons-java-doc/focal,focal 2.4-1 all

Reusable components used by Batik and FOP (documentation)

libxqilla-dev/focal 2.3.4-1build2 amd64

XQuery and XPath 2.0 library - Development files

libxqilla6v5/focal 2.3.4-1build2 amd64

XQuery and XPath 2.0 library

libxslthl-java/focal,focal 2.1.3-5 all

XSLT syntax highlighting

loook/focal,focal 0.8.6-1 all

Search strings in ODF and OOXML documents

lua-apr/focal 0.23.2.dfsg-4 amd64

Apache Portable Runtime library for the Lua language

lua-apr-dev/focal 0.23.2.dfsg-4 amd64

Lua development files for the Apache Portable Runtime library

lua-apr-doc/focal,focal 0.23.2.dfsg-4 all

Lua documentation files for the Apache Portable Runtime library

man2html/focal 1.6g-12 amd64

browse man pages in your web browser

mapcache-cgi/focal 1.10.0-1 amd64

tile caching server - CGI binary

mate-user-share/focal 1.24.0-2 amd64

User level public file sharing via WebDAV

mate-user-share-common/focal,focal 1.24.0-2 all

User level public file sharing via WebDAV (common files)

memcached/focal-updates 1.5.22-2ubuntu0.1 amd64

High-performance in-memory object caching system

mod-musicindex-common/focal,focal 1.4.1-3build2 all

Common files for mod-musicindex

mono-apache-server/focal,focal 4.2-2.1 all

ASP.NET backend for mod\_mono Apache module - default version

mono-apache-server4/focal,focal 4.2-2.1 all

ASP.NET 4.5 backend for mod\_mono Apache module

mono-fastcgi-server/focal,focal 4.2-2.1 all

ASP.NET backend for FastCGI webservers - default version

mono-fastcgi-server4/focal,focal 4.2-2.1 all

ASP.NET 4.0 backend for FastCGI webservers

mono-fpm-server/focal,focal 4.2-2.1 all

ASP.NET backend for FastCGI Process Manager

mono-xsp/focal,focal 4.2-2.1 all

simple web server to run ASP.NET applications - default version

mono-xsp4/focal,focal 4.2-2.1 all

simple web server to run ASP.NET 4.0 applications

mono-xsp4-base/focal,focal 4.2-2.1 all

base libraries for XSP 4.0

mrtgutils/focal 0.8.3build1 amd64

Utilities to generate statistics for mrtg

nagios-plugins-contrib/focal 25.20191015+1ubuntu1 amd64

Plugins for nagios compatible monitoring systems

nano/focal,now 4.8-1ubuntu1 amd64 [installed]

small, friendly text editor inspired by Pico

nano-tiny/focal 4.8-1ubuntu1 amd64

small, friendly text editor inspired by Pico - tiny build

netdata-apache2/focal,focal 1.19.0-3ubuntu1 all

real-time performance monitoring (apache integration)

ntpsec-ntpviz/focal 1.1.8+dfsg1-4build1 amd64

NTP statistics graphing utility

open-infrastructure-apache-icons/focal,focal 20190301-lts1-2 all

Additional utilities for Apache (transitional package)

open-infrastructure-apache-tools/focal,focal 20190301-lts1-2 all

Additional utilities for Apache

opennlp/focal,focal 1.9.2-1 all

wrapper for Apache OpenNLP natural language text processing toolkit

openvpn-auth-ldap/focal 2.0.4-1ubuntu2 amd64

OpenVPN LDAP authentication module

parser3-cgi/focal 3.4.5-7 amd64

Parser 3, HTML-embedded scripting language (CGI binary)

passenger-doc/focal,focal 5.0.30-1.1ubuntu3 all

Rails and Rack support for Apache2 - Documentation

phing/focal,focal 2.16.1-1 all

PHP5 project build system based on Apache Ant

php-cgi/focal,focal 2:8.0+84+ubuntu20.04.1+deb.sury.org+1 all

server-side, HTML-embedded scripting language (CGI binary) (default)

php-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

php-solr-all-dev/focal,focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 all

PHP extension for communicating with Apache Solr server

php-stomp/focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 amd64

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php-stomp-all-dev/focal,focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 all

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php-symfony-web-server-bundle/focal,focal 4.3.8+dfsg-1ubuntu1 all

provide commands for applications using the PHP built-in web server

php-zend-code/focal,focal 3.4.1-1 all

Zend Framework - Code component

php5.6-cgi/focal 5.6.40-52+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (CGI binary)

php5.6-fpm/focal 5.6.40-52+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php5.6-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

php5.6-stomp/focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 amd64

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php7.0-cgi/focal 7.0.33-52+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (CGI binary)

php7.0-fpm/focal 7.0.33-52+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.0-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

php7.0-stomp/focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 amd64

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php7.1-cgi/focal 7.1.33-39+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (CGI binary)

php7.1-fpm/focal 7.1.33-39+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.1-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

php7.1-stomp/focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 amd64

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php7.2-cgi/focal 7.2.34-23+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (CGI binary)

php7.2-fpm/focal 7.2.34-23+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.2-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

php7.2-stomp/focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 amd64

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php7.3-cgi/focal 7.3.29-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (CGI binary)

php7.3-fpm/focal 7.3.29-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.3-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

php7.3-stomp/focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 amd64

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php7.4-cgi/focal 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (CGI binary)

php7.4-fpm/focal 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.4-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

php7.4-stomp/focal 2.0.2+1.0.9-10+ubuntu20.04.1+deb.sury.org+1 amd64

Streaming Text Oriented Messaging Protocol (STOMP) client module for PHP

php8.0-cgi/focal 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (CGI binary)

php8.0-fpm/focal 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php8.0-solr/focal 2.5.1+2.4.0-9+ubuntu20.04.1+deb.sury.org+1 amd64

PHP extension for communicating with Apache Solr server

phpliteadmin/focal,focal 1.9.8.2-1 all

web-based SQLite database admin tool

prayer/focal 1.3.5-dfsg1-6.1 amd64

standalone IMAP-based webmail server

prayer-accountd/focal 1.3.5-dfsg1-6.1 amd64

account management daemon for Prayer

prayer-templates-dev/focal 1.3.5-dfsg1-6.1 amd64

tools for compiling Prayer templates

prayer-templates-src/focal,focal 1.3.5-dfsg1-6.1 all

templates for customizing Prayer Webmail

proftpd-basic/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - binaries

proftpd-dev/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - development files

proftpd-doc/focal,focal 1.3.6c-2 all

Versatile, virtual-hosting FTP daemon - documentation

proftpd-mod-geoip/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - GeoIP module

proftpd-mod-ldap/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - LDAP module

proftpd-mod-mysql/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - MySQL module

proftpd-mod-odbc/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - ODBC module

proftpd-mod-pgsql/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - PostgreSQL module

proftpd-mod-snmp/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - SNMP module

proftpd-mod-sqlite/focal 1.3.6c-2 amd64

Versatile, virtual-hosting FTP daemon - SQLite3 module

prometheus-apache-exporter/focal 0.7.0+ds-1 amd64

Prometheus exporter for Apache server metrics

prometheus-trafficserver-exporter/focal,focal 0.3.2-1 all

Prometheus exporter for Apache Traffic Server

puppet-master-passenger/focal,focal 5.5.10-4ubuntu3 all

configuration management system, scalable master service

puppet-module-puppetlabs-apache/focal,focal 3.4.0-1 all

Puppet module for Apache

pure-ftpd/focal 1.0.49-4 amd64

Secure and efficient FTP server

pure-ftpd-ldap/focal 1.0.49-4 amd64

Secure and efficient FTP server with LDAP user authentication

pure-ftpd-mysql/focal 1.0.49-4 amd64

Secure and efficient FTP server with MySQL user authentication

pure-ftpd-postgresql/focal 1.0.49-4 amd64

Secure and efficient FTP server with PostgreSQL user authentication

pwauth/focal 2.3.11-0.2 amd64

authenticator for mod\_authnz\_external and the Apache HTTP Daemon

pycsw-wsgi/focal,focal 2.4.2+dfsg-1 all

WSGI Apache CSW service based on pycsw

python-certbot-apache-doc/focal,focal 0.39.0-1 all

Apache plugin documentation for Certbot

python-flask-autoindex-doc/focal,focal 0.6.2-5 all

automatically generated index pages for Flask applications (documentation)

python-kafka-doc/focal,focal 1.4.6-1 all

Pure Python client for Apache Kafka - doc

python-sortedcollections-doc/focal,focal 1.0.1-1 all

Python documentation for Sorted Collections

python-subversion/focal 1.13.0-3 amd64

Python bindings for Apache Subversion

python-thriftpy/focal 0.3.9+ds1-1ubuntu5 amd64

Pure Python implementation of Apache Thrift - Python 2

python-urwid-doc/focal,focal 2.0.1-3 all

curses-based UI/widget library (common documentation)

python3-ajpy/focal,focal 0.0.4-2 all

Python module to craft AJP requests

python3-avro/focal,focal 1.9.1+dfsg-1 all

Apache Avro serialization system (Python 3 library)

python3-cassandra/focal 3.20.2-2build1 amd64

Python driver for Apache Cassandra (Python 3)

python3-cassandra-doc/focal,focal 3.20.2-2build1 all

Python driver for Apache Cassandra (documentation)

python3-certbot-apache/focal,focal 0.39.0-1 all

Apache plugin for Certbot

python3-cherrypy3/focal,focal 8.9.1-6 all

Python web development framework - Python 3 module

python3-cs/focal,focal 2.3.1-2 all

simple, yet powerful CloudStack API client (Python 3 module)

python3-django-downloadview/focal,focal 2.1.1-1 all

efficient static file serving with Django (Python3 version)

python3-django-websocket-redis/focal,focal 0.4.7-2 all

Websockets for Django applications using Redis (Python3 version)

python3-feather-format/focal 0.3.1+dfsg1-3build1 amd64

Python interface to the Apache Arrow-based Feather File Format (Python 3)

python3-flask-autoindex/focal,focal 0.6.2-5 all

automatically generated index pages for Flask applications (Python 3)

python3-jsonnet/focal 0.15.0+ds-1build1 amd64

data templating language (Python)

python3-kafka/focal,focal 1.4.6-1 all

Pure Python client for Apache Kafka - Python 3.x

python3-kazoo/focal,focal 2.6.1-6 all

higher level API to Apache Zookeeper (Python 3)

python3-kerberos/focal 1.1.14-3.1build1 amd64

GSSAPI interface module - Python 3.x

python3-libcloud/focal,focal 2.8.0-1 all

unified Python interface into the cloud (Python3 version)

python3-pysolr/focal,focal 3.8.1-1.1 all

lightweight Python3 wrapper for querying Apache Solr

python3-retrying/focal,focal 1.3.3-4 all

simplifies the task of adding retry behavior - Python 3.x

python3-schema-salad/focal,focal 5.0.20200220195218-1 all

Schema Annotations for Linked Avro Data (SALAD)

python3-sortedcollections/focal,focal 1.0.1-1 all

Python 3 Sorted Collections

python3-thriftpy/focal 0.3.9+ds1-1ubuntu5 amd64

Pure Python implementation of Apache Thrift - Python 3

python3-urwid/focal 2.0.1-3 amd64

curses-based UI/widget library for Python 3

r-cran-solrium/focal,focal 1.1.4+dfsg-1 all

general purpose R interface to 'Solr'

radicale/focal,focal 2.1.11-8 all

simple calendar and addressbook server - daemon

resource-agents/focal-updates 1:4.5.0-2ubuntu2.2 amd64

Cluster Resource Agents

rsyslog-kafka/focal-updates 8.2001.0-1ubuntu1.1 amd64

Apache Kafka support for rsyslog

rt4-apache2/focal,focal 4.4.3-2 all

Apache 2 specific files for request-tracker4

rt4-fcgi/focal,focal 4.4.3-2 all

External FastCGI support for request-tracker4

ruby-grack/focal,focal 2.0.2-2 all

Git Smart HTTP Server Rack implementation in Ruby/Rack

ruby-rack-rewrite/focal,focal 1.5.1-1 all

rack middleware for enforcing rewrite rules

ruby-svn/focal 1.13.0-3 amd64

Ruby bindings for Apache Subversion

ruby-thrift/focal 0.11.0.0-2build1 amd64

Ruby bindings for Apache Thrift

sbt-ivy/focal,focal 2.4.0~rc1+dfsg-2 all

agile dependency manager

sbt-ivy-doc/focal,focal 2.4.0~rc1+dfsg-2 all

agile dependency manager (documentation)

shibboleth-sp-common/focal-updates,focal-updates,focal-security,focal-security 3.0.4+dfsg1-1ubuntu0.2 all

Federated web single sign-on system (common files)

shibboleth-sp-utils/focal-updates,focal-security 3.0.4+dfsg1-1ubuntu0.2 amd64

Federated web single sign-on system (daemon and utilities)

slowhttptest/focal 1.7-1build2 amd64

application layer Denial of Service attacks simulation tool

smtpprox/focal,focal 1.2-1 all

simple efficient SMTP proxy in perl

snoopy/focal 2.4.6-6ubuntu1 amd64

execve() wrapper and logger

subversion/focal 1.13.0-3 amd64

Advanced version control system

subversion-tools/focal 1.13.0-3 amd64

Assorted tools related to Apache Subversion

sugarplum/focal,focal 0.9.10-18 all

automated and intelligent spam trap/cache-poisoner

tclws/focal,focal 2.6.3-1 all

Tcl Web Services

tomcat9/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine

tomcat9-admin/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine -- admin web applications

tomcat9-common/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine -- common files

tomcat9-docs/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine -- documentation

tomcat9-examples/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine -- example web applications

tomcat9-user/focal-updates,focal-updates,focal-security,focal-security 9.0.31-1ubuntu0.1 all

Apache Tomcat 9 - Servlet and JSP engine -- tools to create user instances

trafficserver/focal 8.0.5+ds-3 amd64

fast, scalable and extensible HTTP/1.1 and HTTP/2.0 caching proxy server

trafficserver-dev/focal 8.0.5+ds-3 amd64

Apache Traffic Server Software Developers Kit (SDK)

trafficserver-experimental-plugins/focal 8.0.5+ds-3 amd64

experimental plugins for Apache Traffic Server

uima-doc/focal,focal 2.10.2-3 all

Documentation for the Apache UIMA framework

uima-examples/focal,focal 2.10.2-3 all

Examples of UIMA components

uima-utils/focal,focal 2.10.2-3 all

UIMA tools

vlogger/focal,focal 1.3-4 all

virtual web logfile rotater/parser

watchcatd/focal 1.2.1-3.1build1 amd64

Process monitoring daemon

webauth-tests/focal,focal 4.7.0-7build1 all

Tests for the WebAuth authentication modules

webdruid/focal 0.5.4-15 amd64

Web server log file analysis tool

winpr-utils/focal-updates,focal-security 2.2.0+dfsg1-0ubuntu0.20.04.1 amd64

Windows Portable Runtime library command line utilities

wwwconfig-common/focal,focal 0.3.0 all

Debian web auto configuration

x2gobroker-wsgi/focal,focal 0.0.4.1-1 all

X2Go Session Broker (WSGI)

xalan/focal 1.11-9build1 amd64

XSLT processor utility

xml-security-c-utils/focal 2.0.2-3build1 amd64

C++ library for XML Digital Signatures (utilities)

xqilla/focal 2.3.4-1build2 amd64

XQuery and XPath 2.0 command line interpreter

yasat/focal,focal 848-1ubuntu1 all

simple stupid audit tool

zktop/focal,focal 1.0.0-3 all

top for Apache ZooKeeper

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo apt search libapache

Sorting... Done

Full Text Search... Done

libapache-admin-config-perl/focal,focal 0.95-1 all

module to read/write Apache like configuration files

libapache-asp-perl/focal,focal 2.63-1 all

perl Apache::ASP - Active Server Pages for Apache with mod\_perl

libapache-authenhook-perl/focal 2.00-04+pristine-7 amd64

Perl API for Apache 2.1 authentication

libapache-authznetldap-perl/focal,focal 0.07-6 all

Apache-Perl module that enables to authorize a user with LDAP attributes

libapache-db-perl/focal 0.16-1build1 amd64

module to run the interactive Perl debugger under mod\_perl

libapache-dbi-perl/focal,focal 1.12-2 all

interface connecting Apache server to database via perl's DBI

libapache-dbilogger-perl/focal,focal 0.93-13 all

Perl module for tracking what's being transferred in a DBI database

libapache-directory-api-java/focal,focal 1.0.0-1 all

Apache Directory LDAP API

libapache-directory-jdbm-java/focal,focal 2.0.0~M2-2 all

ApacheDS JDBM Implementation

libapache-gallery-perl/focal,focal 1.0.2-5 all

Apache module to create image galleries on-the-fly

libapache-htgroup-perl/focal,focal 1.23-2 all

interface to Apache authentication group files

libapache-htpasswd-perl/focal,focal 1.9-1 all

module to manage Unix crypt-style password file

libapache-logformat-compiler-perl/focal,focal 0.36-1 all

Perl module to pre-compile a LogFormat string

libapache-mime4j-java/focal,focal 0.8.2-1 all

MIME and RFC822 parser for Java

libapache-mod-jk-doc/focal,focal 1:1.2.46-1 all

Documentation of libapache2-mod-jk package

libapache-opennlp-java/focal,focal 1.9.2-1 all

machine learning based toolkit for the processing of natural language text

libapache-poi-java/focal,focal 4.0.1-1 all

Apache POI - Java API for Microsoft Documents

libapache-poi-java-doc/focal,focal 4.0.1-1 all

Apache POI - Java API for Microsoft Documents (Documentation)

libapache-pom-java/focal,focal 18-1 all

Maven metadata for all Apache Software projects

libapache-session-browseable-perl/focal,focal 1.3.5-1 all

module adding index and search methods to Apache::Session

libapache-session-ldap-perl/focal,focal 0.4-1 all

LDAP implementation of Apache::Session

libapache-session-memcached-perl/focal,focal 0.03-2 all

Perl module for storing persistent data using memcached

libapache-session-perl/focal,focal 1.93-3 all

modules for keeping persistent user data across HTTP requests

libapache-session-sqlite3-perl/focal,focal 0.03-1 all

SQLite3 implementation of Apache::Session

libapache-session-wrapper-perl/focal,focal 0.34-3 all

simple wrapper around Apache::Session

libapache-sessionx-perl/focal,focal 2.01-5 all

extended persistence framework for session data

libapache-singleton-perl/focal,focal 0.17-1 all

Singleton class for mod\_perl

libapache-ssllookup-perl/focal 2.00-04-3 amd64

glue layer between Perl handlers and the mod\_ssl public API

libapache2-authcassimple-perl/focal,focal 0.10-3 all

Apache2 module to authenticate trough a CAS server

libapache2-authcookie-perl/focal,focal 3.28-1 all

Perl Authentication and Authorization via cookies

libapache2-mod-apparmor/focal-updates 2.13.3-7ubuntu5.1 amd64

changehat AppArmor library as an Apache module

libapache2-mod-apreq2/focal 2.13-7 amd64

generic Apache request library - Apache module

libapache2-mod-auth-cas/focal 1.2-1 amd64

CAS authentication module for Apache2

libapache2-mod-auth-gssapi/focal 1.6.1-1 amd64

GSSAPI Authentication module for Apache2

libapache2-mod-auth-kerb/focal 5.4-2.4 amd64

apache2 module for Kerberos authentication

libapache2-mod-auth-mellon/focal 0.16.0-1 amd64

SAML 2.0 authentication module for Apache

libapache2-mod-auth-openid/focal 0.8-5build1 amd64

OpenID authentication module for Apache2

libapache2-mod-auth-openidc/focal 2.4.1-1 amd64

OpenID Connect authentication module for Apache

libapache2-mod-auth-pgsql/focal 2.0.3-6.1ubuntu1 amd64

Module for Apache2 which provides PostgreSQL authentication

libapache2-mod-auth-plain/focal 2.0.52 amd64

Module for Apache2 which provides plaintext authentication

libapache2-mod-auth-pubtkt/focal 0.13-1 amd64

key-based single-sign-on authentication module for Apache

libapache2-mod-auth-radius/focal 1.5.8-1.3 amd64

Apache 2.x module for RADIUS authentication

libapache2-mod-auth-tkt/focal 2.3.99~b1-1 amd64

lightweight single-sign-on authentication module for Apache

libapache2-mod-authn-sasl/focal 1.2-2 amd64

SASL authentication backend provider for Apache

libapache2-mod-authn-yolo/focal 1.1-1 amd64

Yolo style authentication for Apache 2

libapache2-mod-authn-yubikey/focal 1.0-2 amd64

Yubikey authentication provider for Apache

libapache2-mod-authnz-external/focal 3.3.2-0.1 amd64

authenticate Apache against external authentication services

libapache2-mod-authnz-pam/focal 1.2.0-1 amd64

PAM authorization checker and PAM Basic Authentication provider

libapache2-mod-authz-securepass/focal 0~20150105.gitda462d3-1 amd64

Apache2 module for authorizing SecurePass users

libapache2-mod-authz-unixgroup/focal 1.1.0-0.1 amd64

access control based on on unix group membership for Apache

libapache2-mod-bw/focal 0.92-11 amd64

bandwidth limiting module for apache2

libapache2-mod-dacs/focal 1.4.40-2 amd64

Distributed Access Control System (DACS) - Apache Module

libapache2-mod-defensible/focal 1.4-3.2 amd64

module for Apache2 which provides DNSBL usage

libapache2-mod-dnssd/focal 0.6-3.2 amd64

Zeroconf support for Apache 2 via avahi

libapache2-mod-encoding/focal 20040616-6 amd64

Apache2 module for non-ascii filename interoperability

libapache2-mod-evasive/focal 1.10.1-4 amd64

evasive module to minimize HTTP DoS or brute force attacks

libapache2-mod-fcgid/focal 1:2.3.9-4 amd64

FastCGI interface module for Apache 2

libapache2-mod-form/focal 0~svn146-1 amd64

Apache module to decode data submitted from Web forms

libapache2-mod-form-dev/focal,focal 0~svn146-1 all

Apache module to decode data submitted from Web forms (development files)

libapache2-mod-geoip/focal 1.2.10-1 amd64

GeoIP support for apache2

libapache2-mod-gnutls/focal 0.9.0-1.1ubuntu1 amd64

Apache module for TLS encryption with GnuTLS

libapache2-mod-intercept-form-submit/focal 1.1.0-1 amd64

Apache module to intercept login form submission and run PAM authentication

libapache2-mod-jk/focal 1:1.2.46-1 amd64

Apache 2 connector for the Tomcat Java servlet engine

libapache2-mod-ldap-userdir/focal 1.1.19-2.1 amd64

Apache module that provides UserDir lookups via LDAP

libapache2-mod-ldap-userdir-dbg/focal 1.1.19-2.1 amd64

Debugging symbols for mod\_ldap\_userdir

libapache2-mod-lisp/focal 1.3.1-1.3 amd64

An Apache2 module that interfaces with Lisp environments

libapache2-mod-log-slow/focal 1.0.8-3 amd64

Apache module for logging of slow requests handling

libapache2-mod-log-sql/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - Base

libapache2-mod-log-sql-dbi/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - DBI interface

libapache2-mod-log-sql-mysql/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - MySQL interface

libapache2-mod-log-sql-ssl/focal 1.100-16.3build2 amd64

Use SQL to store/write your Apache queries logs - SSL extension

libapache2-mod-lookup-identity/focal 1.0.0-1 amd64

Apache module to retrieve additional information about the authenticated user

libapache2-mod-mapcache/focal 1.10.0-1 amd64

tile caching server - Apache module

libapache2-mod-md/focal-updates 2.4.41-4ubuntu3.4 amd64

transitional package

libapache2-mod-mime-xattr/focal 0.4-6 amd64

Apache2 module to get MIME info from filesystem extended attributes

libapache2-mod-mono/focal 3.8-3 amd64

Apache module for running ASP.NET applications on Mono

libapache2-mod-musicindex/focal 1.4.1-3build2 amd64

Browse, stream, download and search through MP3/Ogg/FLAC files

libapache2-mod-neko/focal 2.3.0-1 amd64

Apache module for running server-side Neko programs

libapache2-mod-netcgi-apache/focal 4.1.6-1build6 amd64

OCaml application-level Internet libraries - netcgi2 Apache2 connector

libapache2-mod-parser3/focal 3.4.5-7 amd64

Parser 3, HTML-embedded scripting language (Apache2 module)

libapache2-mod-passenger/focal 5.0.30-1.1ubuntu3 amd64

Rails and Rack support for Apache2

libapache2-mod-perl2/focal-updates 2.0.11-2ubuntu0.20.04.1 amd64

Integration of perl with the Apache2 web server

libapache2-mod-perl2-dev/focal-updates,focal-updates 2.0.11-2ubuntu0.20.04.1 all

Integration of perl with the Apache2 web server - development files

libapache2-mod-perl2-doc/focal-updates,focal-updates 2.0.11-2ubuntu0.20.04.1 all

Integration of perl with the Apache2 web server - documentation

libapache2-mod-php/focal,focal 2:8.0+84+ubuntu20.04.1+deb.sury.org+1 all

server-side, HTML-embedded scripting language (Apache 2 module) (default)

libapache2-mod-php5.6/focal,now 5.6.40-52+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.0/focal,now 7.0.33-52+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.1/focal,now 7.1.33-39+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.2/focal,now 7.2.34-23+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.3/focal,now 7.3.29-1+ubuntu20.04.1+deb.sury.org+1 amd64 [installed]

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php7.4/focal 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-php8.0/focal 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (Apache 2 module)

libapache2-mod-proxy-msrpc/focal 0.6-1 amd64

Apache module for Outlook Anywhere support in reverse proxy setups

libapache2-mod-proxy-uwsgi/focal-updates 2.4.41-4ubuntu3.4 amd64

transitional package

libapache2-mod-python/focal 3.3.1-11ubuntu5 amd64

Python-embedding module for Apache 2

libapache2-mod-python-doc/focal,focal 3.3.1-11ubuntu5 all

Python-embedding module for Apache 2 - documentation

libapache2-mod-qos/focal 11.63-1 amd64

quality of service module for the apache2

libapache2-mod-r-base/focal 1.2.8-1 amd64

server-side R integration with Apache 2

libapache2-mod-removeip/focal 1.0b-5.3 amd64

Module to remove IP from apache2's logs

libapache2-mod-rivet/focal 3.1.1-1 amd64

Server-side Tcl programming system combining ease of use and power

libapache2-mod-rivet-doc/focal,focal 3.1.1-1 all

Documentation for Rivet, a server-side Tcl programming system

libapache2-mod-rpaf/focal 0.6-13 amd64

module for Apache2 which takes the last IP from the 'X-Forwarded-For' header

libapache2-mod-ruid2/focal 0.9.8-3 amd64

suexec module for Apache 2

libapache2-mod-ruwsgi/focal 2.0.18-11ubuntu1 amd64

uwsgi module for Apache2 (mod\_Ruwsgi)

libapache2-mod-ruwsgi-dbg/focal 2.0.18-11ubuntu1 amd64

debugging symbols for Apache2 mod\_Ruwsgi

libapache2-mod-security2/focal 2.9.3-1 amd64

Tighten web applications security for Apache

libapache2-mod-shib/focal-updates,focal-security 3.0.4+dfsg1-1ubuntu0.2 amd64

Federated web single sign-on system (Apache module)

libapache2-mod-shib2/focal-updates,focal-updates,focal-security,focal-security 3.0.4+dfsg1-1ubuntu0.2 all

transitional package

libapache2-mod-svn/focal 1.13.0-3 amd64

Apache Subversion server modules for Apache httpd

libapache2-mod-upload-progress/focal 0.2-2 amd64

upload progress support for the Apache web server

libapache2-mod-uwsgi/focal 2.0.18-11ubuntu1 amd64

uwsgi module for Apache2 (mod\_uwsgi)

libapache2-mod-uwsgi-dbg/focal 2.0.18-11ubuntu1 amd64

debugging symbols for Apache2 mod\_uwsgi

libapache2-mod-vhost-ldap/focal 2.4.0-1 amd64

Apache 2 module for Virtual Hosting from LDAP

libapache2-mod-watchcat/focal 1.1.2-1 amd64

Process monitoring Apache module

libapache2-mod-webauth/focal 4.7.0-7build1 amd64

Apache module for WebAuth authentication

libapache2-mod-webauthldap/focal 4.7.0-7build1 amd64

Apache module for WebAuth LDAP lookup and authorization

libapache2-mod-webkdc/focal 4.7.0-7build1 amd64

Apache modules for a WebAuth authentication KDC

libapache2-mod-wsgi/focal 4.6.8-1ubuntu3 amd64

Python WSGI adapter module for Apache

libapache2-mod-wsgi-py3/focal 4.6.8-1ubuntu3 amd64

Python 3 WSGI adapter module for Apache

libapache2-mod-xforward/focal 0.6-1 amd64

Apache module implements redirection based on X-Forward response header

libapache2-mod-xsendfile/focal 0.12-2 amd64

Serve large static files efficiently from web applications

libapache2-mpm-itk/focal 2.4.7-04-1 amd64

multiuser module for Apache

libapache2-reload-perl/focal,focal 0.13-3 all

module for reloading Perl modules when changed on disk

libapache2-request-perl/focal 2.13-7 amd64

generic Apache request library - Perl modules

libapache2-sitecontrol-perl/focal,focal 1.05-2 all

perl web site authentication/authorization system

libapacheds-i18n-java/focal,focal 2.0.0~M24-3 all

Apache Directory Server (i18n)

libapacheds-java/focal,focal 2.0.0~M24-3 all

Apache Directory Server (Libraries)

libapacheds-kerberos-codec-java/focal,focal 2.0.0~M24-3 all

Apache Directory Server (Kerberos Codec)

libiconv-hook1/focal 0.0.20021209-11 amd64

extension of iconv for libapache-mod-encoding

liblinux-pid-perl/focal 0.04-1build6 amd64

wrapper around the getpid() and getppid() C functions

libocamlnet-ocaml-dev/focal 4.1.6-1build6 amd64

OCaml application-level Internet libraries - core development libraries

mapcache-cgi/focal 1.10.0-1 amd64

tile caching server - CGI binary

mod-musicindex-common/focal,focal 1.4.1-3build2 all

Common files for mod-musicindex

mono-apache-server4/focal,focal 4.2-2.1 all

ASP.NET 4.5 backend for mod\_mono Apache module

mono-fastcgi-server4/focal,focal 4.2-2.1 all

ASP.NET 4.0 backend for FastCGI webservers

mono-fpm-server/focal,focal 4.2-2.1 all

ASP.NET backend for FastCGI Process Manager

php5.6-fpm/focal 5.6.40-52+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.0-fpm/focal 7.0.33-52+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.1-fpm/focal 7.1.33-39+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.2-fpm/focal 7.2.34-23+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.3-fpm/focal 7.3.29-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php7.4-fpm/focal 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

php8.0-fpm/focal 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 amd64

server-side, HTML-embedded scripting language (FPM-CGI binary)

radicale/focal,focal 2.1.11-8 all

simple calendar and addressbook server - daemon

shibboleth-sp-utils/focal-updates,focal-security 3.0.4+dfsg1-1ubuntu0.2 amd64

Federated web single sign-on system (daemon and utilities)

tclws/focal,focal 2.6.3-1 all

Tcl Web Services

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo apt install libapache2-mod-php7.4 libapache2-mod-php8.0

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

php8.0-cli php8.0-opcache php8.0-readline

Suggested packages:

php-pear

The following NEW packages will be installed:

libapache2-mod-php7.4 libapache2-mod-php8.0 php8.0-cli php8.0-opcache

php8.0-readline

0 upgraded, 5 newly installed, 0 to remove and 11 not upgraded.

Need to get 4,717 kB of archives.

After this operation, 16.0 MB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 libapache2-mod-php7.4 amd64 7.4.21-1+ubuntu20.04.1+deb.sury.org+1 [1,372 kB]

Get:2 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php8.0-opcache amd64 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 [456 kB]

Get:3 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php8.0-readline amd64 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 [12.6 kB]

Get:4 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 php8.0-cli amd64 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 [1,469 kB]

Get:5 http://ppa.launchpad.net/ondrej/php/ubuntu focal/main amd64 libapache2-mod-php8.0 amd64 8.0.8-1+ubuntu20.04.1+deb.sury.org+1 [1,408 kB]

Fetched 4,717 kB in 9s (506 kB/s)

Selecting previously unselected package libapache2-mod-php7.4.

(Reading database ... 202204 files and directories currently installed.)

Preparing to unpack .../libapache2-mod-php7.4\_7.4.21-1+ubuntu20.04.1+deb.sury.or

g+1\_amd64.deb ...

Unpacking libapache2-mod-php7.4 (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Selecting previously unselected package php8.0-opcache.

Preparing to unpack .../php8.0-opcache\_8.0.8-1+ubuntu20.04.1+deb.sury.org+1\_amd6

4.deb ...

Unpacking php8.0-opcache (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Selecting previously unselected package php8.0-readline.

Preparing to unpack .../php8.0-readline\_8.0.8-1+ubuntu20.04.1+deb.sury.org+1\_amd

64.deb ...

Unpacking php8.0-readline (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Selecting previously unselected package php8.0-cli.

Preparing to unpack .../php8.0-cli\_8.0.8-1+ubuntu20.04.1+deb.sury.org+1\_amd64.de

b ...

Unpacking php8.0-cli (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Selecting previously unselected package libapache2-mod-php8.0.

Preparing to unpack .../libapache2-mod-php8.0\_8.0.8-1+ubuntu20.04.1+deb.sury.org

+1\_amd64.deb ...

Unpacking libapache2-mod-php8.0 (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Setting up libapache2-mod-php7.4 (7.4.21-1+ubuntu20.04.1+deb.sury.org+1) ...

Creating config file /etc/php/7.4/apache2/php.ini with new version

libapache2-mod-php7.4: php7.3 module already enabled, not enabling PHP 7.4

Setting up php8.0-readline (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Creating config file /etc/php/8.0/mods-available/readline.ini with new version

Setting up php8.0-opcache (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Creating config file /etc/php/8.0/mods-available/opcache.ini with new version

Setting up php8.0-cli (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

update-alternatives: using /usr/bin/php8.0 to provide /usr/bin/php (php) in auto

mode

update-alternatives: using /usr/bin/phar8.0 to provide /usr/bin/phar (phar) in a

uto mode

update-alternatives: using /usr/bin/phar.phar8.0 to provide /usr/bin/phar.phar (

phar.phar) in auto mode

Creating config file /etc/php/8.0/cli/php.ini with new version

Setting up libapache2-mod-php8.0 (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Creating config file /etc/php/8.0/apache2/php.ini with new version

libapache2-mod-php8.0: php7.3 module already enabled, not enabling PHP 8.0

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for libapache2-mod-php7.4 (7.4.21-1+ubuntu20.04.1+deb.sury.o

rg+1) ...

Processing triggers for php8.0-cli (8.0.8-1+ubuntu20.04.1+deb.sury.org+1) ...

Processing triggers for libapache2-mod-php8.0 (8.0.8-1+ubuntu20.04.1+deb.sury.or

g+1) ...

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo service apache2 restart

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo a2enmod php7.3

Considering dependency mpm\_prefork for php7.3:

Considering conflict mpm\_event for mpm\_prefork:

Considering conflict mpm\_worker for mpm\_prefork:

Module mpm\_prefork already enabled

Considering conflict php5 for php7.3:

Module php7.3 already enabled

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo a2dismod php5

ERROR: Module php5 does not exist!

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo a2dismod php

ERROR: Module php does not exist!

workstation12@workstation12-MS-7C09:/var/www/wordpress$ php -v

PHP 8.0.8 (cli) (built: Jul 1 2021 15:26:46) ( NTS )

Copyright (c) The PHP Group

Zend Engine v4.0.8, Copyright (c) Zend Technologies

with Zend OPcache v8.0.8, Copyright (c), by Zend Technologies

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo set\_php\_version.sh

Your php version is now 7.4

workstation12@workstation12-MS-7C09:/var/www/wordpress$ sudo service apache2 restart

workstation12@workstation12-MS-7C09:/var/www/wordpress$