

Tasks To Be Performed:

1. Pull Ubuntu container
2. Run this container and map port 80 on the local
3. Install Apache2 on this container
4. Check if you are able to access the Apache page on your browser

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
aws Services Search [Alt+S] N. Virginia Shanawaz Khan
ubuntu@ip-172-31-82-124:~$ docker --version
Docker version 20.10.25, build 20.10.25-0ubuntu1~22.04.1
ubuntu@ip-172-31-82-124:~$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu@ip-172-31-82-124:~$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
3153aa388d02: Pull complete
Digest: sha256:0bced47fffa3361afa981854fcabed4577cd43cebbb808cea2b1f33a3dd7f508
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
ubuntu@ip-172-31-82-124:~$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu latest 5a81c4b8502e 5 weeks ago 77.8MB
ubuntu@ip-172-31-82-124:~$ sudo docker run -itd -p 80:80 --name c1 ubuntu
614556b071119cfff5b8d42003a6021740c7fd0924616b7f767c03439ec4b022f
ubuntu@ip-172-31-82-124:~$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
614556b07111 ubuntu "/bin/bash" 21 seconds ago Up 19 seconds 0.0.0.0:80->80/tcp, :::80->80/tcp c1

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
aws Services Search [Alt+S] N. Virginia Shanawaz Khan
ubuntu@ip-172-31-82-124:~$ sudo docker exec -it c1 bash
root@614556b07111:/# apt-get update
Get:1 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [848 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [44.0 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [979 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [833 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1792 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [266 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [164 kB]
Get:12 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [49.8 kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [864 kB]
Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1235 kB]
Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1104 kB]
Get:17 http://archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [25.6 kB]
Get:18 http://archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [49.2 kB]
Fetched 26.3 MB in 2s (11.7 MB/s)
Reading package lists... Done
root@614556b07111:/# apt-get install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils bzip2 ca-certificates file libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libbrotil1 libcurl4
  libexpat1 libgdbm-compat4 libgdbm6 libc-70 libjansson4 libldap-2.5-0 libldap-common liblua5.3-0 libmagic-mgc libmagic1 libnghttp2-14 libperl5.34
  libppl15 librtmp1 libssl1.2 libssl2-modules libssl2-modules libsqlite3-0 libssh-4 libxml2 mailcap media-types mime-support netbase openssl
  perl perl-modules-5.34 publicsuffix ssl-cert xz-utils

```

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
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Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser ufw bzrip2-doc gdbm-l10n libssl-modules-gssapi-mit
  | libssl-modules-gssapi-heimdal libssl-modules-ldap libssl-modules-otp libssl-modules-sql perl-doc libterm-readline-gnu-perl
  | libterm-readline-perl-perl make libcap-bin libcap-ng-bin libcap-ng-dev libcap-ng-doc libcap-ng-tools libcap-ng-headers
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils bzrip2 ca-certificates file libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libbrotli1
  libbz2-1.4 libexpat1 libgdbm-compat4 libgdbm6 libicu70 libjansson4 libldap-2.5-0 libldap-common liblua5.3-0 libmagic-mgc libmagic1 libnghttp2-14
  libperl5.34 libperl5 librtmp1 libssl-modules libssl-modules-db libsqlite3-0 libssh-4 libxml2 mailcap media-types mime-support
  netbase openssl perl perl-modules-5.34 publicsuffix ssl-cert xz-utils
0 upgraded, 43 newly installed, 0 to remove and 4 not upgraded.
Need to get 25.6 MB of archives.
After this operation, 111 MB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl-modules-5.34 all 5.34.0-3ubuntu1.2 [2977 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy/main amd64 libgdbm6 amd64 1.23-1 [33.9 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libgdbm-compat4 amd64 1.23-1 [6606 B]
Get:4 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libperl5.34 amd64 5.34.0-3ubuntu1.2 [4818 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl amd64 5.34.0-3ubuntu1.2 [232 kB]
Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapr1 amd64 1.7.0-8ubuntu0.22.04.1 [108 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libexpat1 amd64 2.4.7-1ubuntu0.2 [91.0 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1 amd64 1.6.1-5ubuntu4.22.04.1 [92.6 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsqlite3-0 amd64 3.37.2-2ubuntu0.1 [641 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-5ubuntu4.22.04.1 [11.3 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libssl-modules-db amd64 2.1.27+dfsg-2ubuntu1.2 [20.5 kB]
Get:12 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libssl-modules amd64 2.1.27+dfsg-2ubuntu1.2 [53.8 kB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libldap-2.5-0 amd64 2.5.15+dfsg-0ubuntu0.22.04.1 [183 kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-ldap amd64 1.6.1-5ubuntu4.22.04.1 [9168 B]
Get:15 http://archive.ubuntu.com/ubuntu jammy/main amd64 libbrotli1 amd64 1.0.9-2build6 [315 kB]
Get:16 http://archive.ubuntu.com/ubuntu jammy/main amd64 libnghttp2-14 amd64 1.43.0-1build3 [76.3 kB]
Get:17 http://archive.ubuntu.com/ubuntu jammy/main amd64 libperl5 amd64 0.21.0-1.2build2 [58.4 kB]
Get:18 http://archive.ubuntu.com/ubuntu jammy/main amd64 librtmp1 amd64 2.4+20151223.gitfa8646d.1-2build4 [58.2 kB]
Get:19 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libssh-4 amd64 0.9.6-2ubuntu0.22.04.1 [185 kB]
```

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
AWS Services Search [Alt+S] N. Virginia Shanawaz Khan
Set:19 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libssh-4 amd64 0.9.6-2ubuntu0.22.04.1 [185 kB]
Set:20 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libcurl4 amd64 7.81.0-1ubuntu1.13 [290 kB]
Set:21 http://archive.ubuntu.com/ubuntu jammy/main amd64 libjansson4 amd64 2.13.1-1.1build3 [32.4 kB]
Set:22 http://archive.ubuntu.com/ubuntu jammy/main amd64 liblua5.3-0 amd64 5.3.6-1build1 [140 kB]
Set:23 http://archive.ubuntu.com/ubuntu jammy/main amd64 libicu70 amd64 70.1-2 [10.6 MB]
Set:24 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libxml2 amd64 2.9.13+dfsg-1ubuntu0.3 [763 kB]
Set:25 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-bin amd64 2.4.52-1ubuntu4.6 [1345 kB]
Set:26 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-1ubuntu4.6 [165 kB]
Set:27 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-utils amd64 2.4.52-1ubuntu4.6 [89.1 kB]
Set:28 http://archive.ubuntu.com/ubuntu jammy/main amd64 media-types all 7.0.0 [25.5 kB]
Set:29 http://archive.ubuntu.com/ubuntu jammy/main amd64 mailcap all 3.70+nmu1ubuntu1 [23.8 kB]
Set:30 http://archive.ubuntu.com/ubuntu jammy/main amd64 mime-support all 3.66 [3696 B]
Set:31 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2 amd64 2.4.52-1ubuntu4.6 [97.8 kB]
Set:32 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 openssl amd64 3.0.2-0ubuntu1.10 [1183 kB]
Set:33 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 ca-certificates all 20230311ubuntu0.22.04.1 [155 kB]
Set:34 http://archive.ubuntu.com/ubuntu jammy/main amd64 netbase all 6.3 [12.9 kB]
Set:35 http://archive.ubuntu.com/ubuntu jammy/main amd64 libmagic-mgc amd64 1:5.41-3 [257 kB]
Set:36 http://archive.ubuntu.com/ubuntu jammy/main amd64 libmagic1 amd64 1:5.41-3 [87.2 kB]
Set:37 http://archive.ubuntu.com/ubuntu jammy/main amd64 file amd64 1:5.41-3 [21.5 kB]
Set:38 http://archive.ubuntu.com/ubuntu jammy/main amd64 publicsuffix all 20211207.1025-1 [129 kB]
Set:39 http://archive.ubuntu.com/ubuntu jammy/main amd64 xz-utils amd64 5.2.5-2ubuntu1 [84.8 kB]
Set:40 http://archive.ubuntu.com/ubuntu jammy/main amd64 bzrip2 amd64 1.0.8-5build1 [34.8 kB]
Set:41 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libldap-common all 2.5.15+dfsg-0ubuntu0.22.04.1 [15.8 kB]
Set:42 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libssl-modules amd64 2.1.27+dfsg-2ubuntu1.2 [68.8 kB]
Set:43 http://archive.ubuntu.com/ubuntu jammy/main amd64 ssl-cert all 1.1.2 [17.4 kB]
Fetched 25.6 MB in 1s (34.8 MB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package perl-modules-5.34.
(Reading database ... 4395 files and directories currently installed.)
Preparing to unpack .../00-perl-modules-5.34_5.34.0-3ubuntu1.2_all.deb ...
Unpacking perl-modules-5.34 (5.34.0-3ubuntu1.2) ...
Selecting previously unselected package libgdbm6:amd64.
Preparing to unpack .../01-libgdbm6_1.23-1_amd64.deb ...
Unpacking libgdbm6:amd64 (1.23-1) ...
Selecting previously unselected package libgdbm-compat4:amd64.
Preparing to unpack .../02-libgdbm-compat4_1.23-1_amd64.deb ...
Unpacking libgdbm-compat4:amd64 (1.23-1) ...
Selecting previously unselected package libperl5.34:amd64.
Preparing to unpack .../03-libperl5.34_5.34.0-3ubuntu1.2_amd64.deb ...
Unpacking libperl5.34:amd64 (5.34.0-3ubuntu1.2) ...
Selecting previously unselected package perl.
Preparing to unpack .../04-perl_5.34.0-3ubuntu1.2_amd64.deb ...
Unpacking perl (5.34.0-3ubuntu1.2) ...
Selecting previously unselected package libapr1:amd64.
Preparing to unpack .../05-libapr1_1.7.0-8ubuntu0.22.04.1_amd64.deb ...
Unpacking libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...
Selecting previously unselected package libexpat1:amd64.
Preparing to unpack .../06-libexpat1_2.4.7-1ubuntu0.2_amd64.deb ...
Unpacking libexpat1:amd64 (2.4.7-1ubuntu0.2) ...
Selecting previously unselected package libaprutil1:amd64.
Preparing to unpack .../07-libaprutil1_1.6.1-5ubuntu4.22.04.1_amd64.deb ...
Unpacking libaprutil1:amd64 (1.6.1-5ubuntu4.22.04.1) ...
Selecting previously unselected package libsqlite3-0:amd64.
Preparing to unpack .../08-libsqlite3-0_3.37.2-2ubuntu0.1_amd64.deb ...
Unpacking libsqlite3-0:amd64 (3.37.2-2ubuntu0.1) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../09-libaprutil1-dbd-sqlite3_1.6.1-5ubuntu4.22.04.1_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-5ubuntu4.22.04.1) ...
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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
AWS Services Search [Alt+S] N. Virginia Shanawaz Khan
Selecting previously unselected package perl-modules-5.34.
(Reading database ... 4395 files and directories currently installed.)
Preparing to unpack .../00-perl-modules-5.34_5.34.0-3ubuntu1.2_all.deb ...
Unpacking perl-modules-5.34 (5.34.0-3ubuntu1.2) ...
Selecting previously unselected package libgdbm6:amd64.
Preparing to unpack .../01-libgdbm6_1.23-1_amd64.deb ...
Unpacking libgdbm6:amd64 (1.23-1) ...
Selecting previously unselected package libgdbm-compat4:amd64.
Preparing to unpack .../02-libgdbm-compat4_1.23-1_amd64.deb ...
Unpacking libgdbm-compat4:amd64 (1.23-1) ...
Selecting previously unselected package libperl5.34:amd64.
Preparing to unpack .../03-libperl5.34_5.34.0-3ubuntu1.2_amd64.deb ...
Unpacking libperl5.34:amd64 (5.34.0-3ubuntu1.2) ...
Selecting previously unselected package perl.
Preparing to unpack .../04-perl_5.34.0-3ubuntu1.2_amd64.deb ...
Unpacking perl (5.34.0-3ubuntu1.2) ...
Selecting previously unselected package libapr1:amd64.
Preparing to unpack .../05-libapr1_1.7.0-8ubuntu0.22.04.1_amd64.deb ...
Unpacking libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...
Selecting previously unselected package libexpat1:amd64.
Preparing to unpack .../06-libexpat1_2.4.7-1ubuntu0.2_amd64.deb ...
Unpacking libexpat1:amd64 (2.4.7-1ubuntu0.2) ...
Selecting previously unselected package libaprutil1:amd64.
Preparing to unpack .../07-libaprutil1_1.6.1-5ubuntu4.22.04.1_amd64.deb ...
Unpacking libaprutil1:amd64 (1.6.1-5ubuntu4.22.04.1) ...
Selecting previously unselected package libsqlite3-0:amd64.
Preparing to unpack .../08-libsqlite3-0_3.37.2-2ubuntu0.1_amd64.deb ...
Unpacking libsqlite3-0:amd64 (3.37.2-2ubuntu0.1) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../09-libaprutil1-dbd-sqlite3_1.6.1-5ubuntu4.22.04.1_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-5ubuntu4.22.04.1) ...
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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
[Alt+S]
Unpacking libjansson4:amd64 (2.13.1-1.1build3) ...
Selecting previously unselected package liblua5.3-0:amd64.
Preparing to unpack .../21-liblua5.3-0_5.3.6-1build1_amd64.deb ...
Unpacking liblua5.3-0:amd64 (5.3.6-1build1) ...
Selecting previously unselected package libcud70:amd64.
Preparing to unpack .../22-libcud70_70.1-2_amd64.deb ...
Unpacking libcud70:amd64 (70.1-2) ...
Selecting previously unselected package libxml2:amd64.
Preparing to unpack .../23-libxml2_2.9.13+dfsg-1ubuntu0.3_amd64.deb ...
Unpacking libxml2:amd64 (2.9.13+dfsg-1ubuntu0.3) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../24-apache2-bin_2.4.52-1ubuntu4.6_amd64.deb ...
Unpacking apache2-bin (2.4.52-1ubuntu4.6) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../25-apache2-data_2.4.52-1ubuntu4.6_all.deb ...
Unpacking apache2-data (2.4.52-1ubuntu4.6) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../26-apache2-utils_2.4.52-1ubuntu4.6_amd64.deb ...
Unpacking apache2-utils (2.4.52-1ubuntu4.6) ...
Selecting previously unselected package media-types.
Preparing to unpack .../27-media-types_7.0.0_all.deb ...
Unpacking media-types (7.0.0) ...
Selecting previously unselected package mailcap.
Preparing to unpack .../28-mailcap_3.70+mmulubuntu1_all.deb ...
Unpacking mailcap (3.70+mmulubuntu1) ...
Selecting previously unselected package mime-support.
Preparing to unpack .../29-mime-support_3.66_all.deb ...
Unpacking mime-support (3.66) ...
Selecting previously unselected package apache2.
Preparing to unpack .../30-apache2_2.4.52-1ubuntu4.6_amd64.deb ...
Unpacking apache2 (2.4.52-1ubuntu4.6) ...
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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
[Alt+S]
Unpacking apache2 (2.4.52-1ubuntu4.6) ...
Selecting previously unselected package openssl.
Preparing to unpack .../31-openssl_3.0.2-0ubuntu1.10_amd64.deb ...
Unpacking openssl (3.0.2-0ubuntu1.10) ...
Selecting previously unselected package ca-certificates.
Preparing to unpack .../32-ca-certificates_20230311ubuntu0.22.04.1_all.deb ...
Unpacking ca-certificates (20230311ubuntu0.22.04.1) ...
Selecting previously unselected package netbase.
Preparing to unpack .../33-netbase_6.3_all.deb ...
Unpacking netbase (6.3) ...
Selecting previously unselected package libmagic-mgc.
Preparing to unpack .../34-libmagic-mgc_1:5.41-3_amd64.deb ...
Unpacking libmagic-mgc (1:5.41-3) ...
Selecting previously unselected package libmagic1:amd64.
Preparing to unpack .../35-libmagic1_1:5.41-3_amd64.deb ...
Unpacking libmagic1:amd64 (1:5.41-3) ...
Selecting previously unselected package file.
Preparing to unpack .../36-file_1:5.41-3_amd64.deb ...
Unpacking file (1:5.41-3) ...
Selecting previously unselected package publicsuffix.
Preparing to unpack .../37-publicsuffix_20211207.1025-1_all.deb ...
Unpacking publicsuffix (20211207.1025-1) ...
Selecting previously unselected package xz-utils.
Preparing to unpack .../38-xz-utils_5.2.5-2ubuntu1_amd64.deb ...
Unpacking xz-utils (5.2.5-2ubuntu1) ...
Selecting previously unselected package bzip2.
Preparing to unpack .../39-bzip2_1.0.8-5build1_amd64.deb ...
Unpacking bzip2 (1.0.8-5build1) ...
Selecting previously unselected package libldap-common.
Preparing to unpack .../40-libldap-common_2.5.15+dfsg-0ubuntu0.22.04.1_all.deb ...
Unpacking libldap-common (2.5.15+dfsg-0ubuntu0.22.04.1) ...
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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
[Alt+S]
Unpacking libldap-common (2.5.15+dfsg-0ubuntu0.22.04.1) ...
Selecting previously unselected package libsass1-modules:amd64.
Preparing to unpack .../41-libsass1-modules_2.1.27+dfsg2-3ubuntu1.2_amd64.deb ...
Unpacking libsass1-modules:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...
Selecting previously unselected package ssl-cert.
Preparing to unpack .../42-ssl-cert_1.1.2_all.deb ...
Unpacking ssl-cert (1.1.2) ...
Setting up libxpat1:amd64 (2.4.7-1ubuntu0.2) ...
Setting up media-types (7.0.0) ...
Setting up libpsl5:amd64 (0.21.0-1.2build2) ...
Setting up libmagic-mgc (1:5.41-3) ...
Setting up libbz2lib1:amd64 (1.0.8-5build1) ...
Setting up libsqlite3-0:amd64 (3.37.2-2ubuntu0.1) ...
Setting up libsass1-modules:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...
Setting up libnghttp2-14:amd64 (1.43.0-1build3) ...
Setting up libmagic1:amd64 (1:5.41-3) ...
Setting up libepri:amd64 (1.7.0-8ubuntu0.22.04.1) ...
Setting up file (1:5.41-3) ...
Setting up perl-modules-5.34 (5.34.0-3ubuntu1.2) ...
Setting up bzip2 (1.0.8-5build1) ...
Setting up libldap-common (2.5.15+dfsg-0ubuntu0.22.04.1) ...
Setting up libjansson4:amd64 (2.13.1-1.1build3) ...
Setting up libsass1-modules-db:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...
Setting up librtmp1:amd64 (2.4+20151223.gitfa8646d.1-2build4) ...
Setting up xz-utils (5.2.5-2ubuntu1) ...
update-alternatives: using /usr/bin/xz to provide /usr/bin/lzma (lzma) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/lzma.1.gz because associated file /usr/share/man/man1/xz.1.gz (of link group lzma) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/man1/unlzma.1.gz because associated file /usr/share/man/man1/unxz.1.gz (of link group lzma) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/man1/lzcat.1.gz because associated file /usr/share/man/man1/xzcat.1.gz (of link group lz
```

```
← → ↻ us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
AWS Services Search [Alt+S] N. Virginia Shanawaz Khan
Setting up libssl2-2:amd64 (2.1.27+dfsg-2ubuntu1.2) ...
Setting up libssh-4:amd64 (0.9.6-2ubuntu0.22.04.1) ...
Setting up liblua5.3-0:amd64 (5.3.6-1build1) ...
Setting up netbase (6.3) ...
Setting up apache2-data (2.4.52-1ubuntu4.6) ...
Setting up openssl (3.0.2-0ubuntu1.10) ...
Setting up publicsuffix (20211207.1025-1) ...
Setting up libgdbm6:amd64 (1.23-1) ...
Setting up libc6:amd64 (2.34-0ubuntu2) ...
Setting up libaprutil1:amd64 (1.6.1-5ubuntu4.22.04.1) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-5ubuntu4.22.04.1) ...
Setting up libldap-2.5-0:amd64 (2.5.15+dfsg-0ubuntu0.22.04.1) ...
Setting up ca-certificates (20230311ubuntu0.22.04.1) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line
78.)
debconf: falling back to frontend: Readline
Updating certificates in /etc/ssl/certs...
37 added, 0 removed; done.
Setting up ssl-cert (1.1.2) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line
78.)
debconf: falling back to frontend: Readline
Setting up libgdbm-compat4:amd64 (1.23-1) ...
Setting up libcurl4:amd64 (7.81.0-1ubuntu1.13) ...
Setting up libxml2:amd64 (2.9.13+dfsg-1ubuntu0.3) ...
Setting up apache2-utils (2.4.52-1ubuntu4.6) ...
Setting up libperl5.34:amd64 (5.34.0-3ubuntu1.2) ...
Setting up libaprutil1-ldap:amd64 (1.6.1-5ubuntu4.22.04.1) ...
Setting up perl (5.34.0-3ubuntu1.2) ...
```

```
← → ↻ us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
AWS Services Search [Alt+S] N. Virginia Shanawaz Khan
Setting up perl (5.34.0-3ubuntu1.2) ...
Setting up mailcap (3.70+nmulubuntu1) ...
Setting up mime-support (3.66) ...
Setting up apache2-bin (2.4.52-1ubuntu4.6) ...
Setting up apache2 (2.4.52-1ubuntu4.6) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
invoke-rc.d: could not determine current runlevel
```

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-00a3b9f54c7f0ee7c&osUser=ubuntu&ss...
aws Services Search [Alt+S] N. Virginia Shanawaz Khan
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for ca-certificates (20230311ubuntu0.22.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
root@614556b07111:/# service apache2 status
 * apache2 is not running
root@614556b07111:/# service apache2 start
 * Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
 *
root@614556b07111:/# service apache2 status
 * apache2 is running
root@614556b07111:/#
```

← → ↻ ⚠ Not secure | 52.90.93.16



Apache2 Default Page

Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
/
  |-- ports.conf
|-- mods-enabled
/
  |-- *.load
  |-- *.conf
|-- conf-enabled
```