

Terminal



Your Interactive Bash Terminal. A safe place to learn and execute commands.

```
$ docker pull redis:3.2.11-alpine
3.2.11-alpine: Pulling from library/redis
ff3a5c916c92: Pull complete
aae70a2e6027: Pull complete
87c655da471c: Pull complete
bc3141806bdc: Pull complete
53616fb426d9: Pull complete
9791c5883c6a: Pull complete
Digest: sha256:ebf1948b84dcaaa0f8a2849cce6f2548edb8862e2829e3e7d9e4cd5a324fb3b7
Status: Downloaded newer image for redis:3.2.11-alpine
$ docker save redis:3.2.11-alpine > redis.tar
$ tar -xvf redis.tar
46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557/
46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557/VERSION
46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557/json
46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557/layer.tar
498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ea1ec9bb092f44e59/
498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ea1ec9bb092f44e59/VERSION
498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ea1ec9bb092f44e59/json
498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ea1ec9bb092f44e59/layer.tar
ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c/
ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c/VERSION
ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c/json
ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c/layer.tar
ca0b6709748d024a67c502558ea88dc8a1f8a858d380f5ddafa1504126a3b018.json
da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/
da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/VERSION
da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/json
da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/layer.tar
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/VERSION
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/json
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/layer.tar
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/VERSION
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/json
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/layer.tar
manifest.json
repositories
$ ls
46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557
```

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```
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/json
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/layer.tar
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/VERSION
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/json
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/layer.tar
manifest.json
repositories
$ ls
46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557
498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ea1ec9bb092f44e59
ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c
ca0b6709748d024a67c502558ea88dc8a1f8a858d380f5ddafa1504126a3b018.json
da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c
manifest.json
redis.tar
repositories
$ cat repositories
{"redis":{"3.2.11-alpine":"46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557"}}
$ cat manifest.json
[{"Config":"ca0b6709748d024a67c502558ea88dc8a1f8a858d380f5ddafa1504126a3b018.json","RepoTags":["redis:3.2.11-alpine"],"Layers":["498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ea1ec9bb092f44e59/layer.tar","ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c/layer.tar","da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/layer.tar","db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/layer.tar","f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/layer.tar","46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557/layer.tar"]}
$ tar -xvf da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/layer.tar
etc/
etc/apk/
etc/apk/world
lib/
lib/apk/
lib/apk/db/
lib/apk/db/installed
lib/apk/db/lock
lib/apk/db/scripts.tar
lib/apk/db/triggers
sbin/
sbin/su-exec
var/
var/cache/
var/cache/misc/
$
```

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Press Esc to exit full screen

```
manifest.json
repositories
$ ls
46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557
498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ealec9bb092f44e59
ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c
ca0b6709748d024a67c502558ea88dc8a1f8a858d380f5ddafa1504126a3b018.json
da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c
db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3
f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c
manifest.json
redis.tar
repositories
$ cat repositories
{"redis":{"3.2.11-alpine":"46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557"}}
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[{"Config":"ca0b6709748d024a67c502558ea88dc8a1f8a858d380f5ddafa1504126a3b018.json","RepoTags":["redis:3.2.11-alpine"],"Layers":["498654318d0999ce36c7b90901ed8bd8cb63d86837cb101ealec9bb092f44e59/layer.tar","ad01e7adb4e23f63a0a1a1d258c165d852768fb2e4cc2d9d5e71698e9672093c/layer.tar","da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/layer.tar","db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/layer.tar","f07352aa34c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/layer.tar","46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557/layer.tar"]}
$ tar -xvf da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/layer.tar
etc/
etc/apk/
etc/apk/world
lib/
lib/apk/
lib/apk/db/
lib/apk/db/installed
lib/apk/db/lock
lib/apk/db/scripts.tar
lib/apk/db/triggers
sbin/
sbin/su-exec
var/
var/cache/
var/cache/misc/
$ tar cv --files-from /dev/null | docker import - empty
sha256:e26292e047ff757245c337b604bf6d6e7374391099849f21e6cab9be4845f082
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
empty                latest              e26292e047ff       5 seconds ago      0B
redis                3.2.11-alpine       ca0b6709748d       2 years ago        20.7MB
$
```

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```
7834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/layer.tar", "db1a23fc1daa8135a1c6c695f7b416a0ac0eb1d8ca873928385a3edaba6ac9a3/layer.tar", "f07352aa34
c241692cae1ce60ade187857d0bffa3a31390867038d46b1e7739c/layer.tar", "46a2fed8167f5d523f9a9c07f17a7cd151412fed437272b517ee4e46587e5557/layer.tar"]}]
$ tar -xvf da2a73e79c2ccb87834d7ce3e43d274a750177fe6527ea3f8492d08d3bb0123c/layer.tar
etc/
etc/apk/
etc/apk/world
lib/
lib/apk/
lib/apk/db/
lib/apk/db/installed
lib/apk/db/lock
lib/apk/db/scripts.tar
lib/apk/db/triggers
sbin/
sbin/su-exec
var/
var/cache/
var/cache/misc/
$ tar cv --files-from /dev/null | docker import - empty
sha256:e26292e047ff757245c337b604bf6d6e7374391099849f21e6cab9be4845f082
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
empty                latest             e26292e047ff       5 seconds ago      0B
redis                3.2.11-alpine      ca0b6709748d       2 years ago        20.7MB
$ curl -LO https://raw.githubusercontent.com/moby/moby/a575b0b1384b2ba89b79cbd7e770fbeb616758b3/contrib/mkimage/busybox-static && chmod +x busybox-st
atic
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  782  100  782    0     0   2203      0 --:--:-- --:--:-- --:--:-- 2202
$ ./busybox-static busybox
$ ls -lha busybox
total 20K
drwxr-xr-x  5 root root 4.0K Mar 19 11:21 .
drwx----- 15 root root 4.0K Mar 19 11:21 ..
drwxr-xr-x  2 root root 4.0K Mar 19 11:21 bin
drwxr-xr-x  2 root root 4.0K Mar 19 11:21 sbin
drwxr-xr-x  4 root root 4.0K Mar 19 11:21 usr
$ echo KatacodaPrivateBuild > busybox/release
$ tar -C busybox -c . | docker import - busybox
sha256:cba5efbc5d9e58d8126a8e5b7f50a2451756f4d774288c6f7cc1b26fc5eca22a
$ docker run busybox cat /release
KatacodaPrivateBuild
$
```