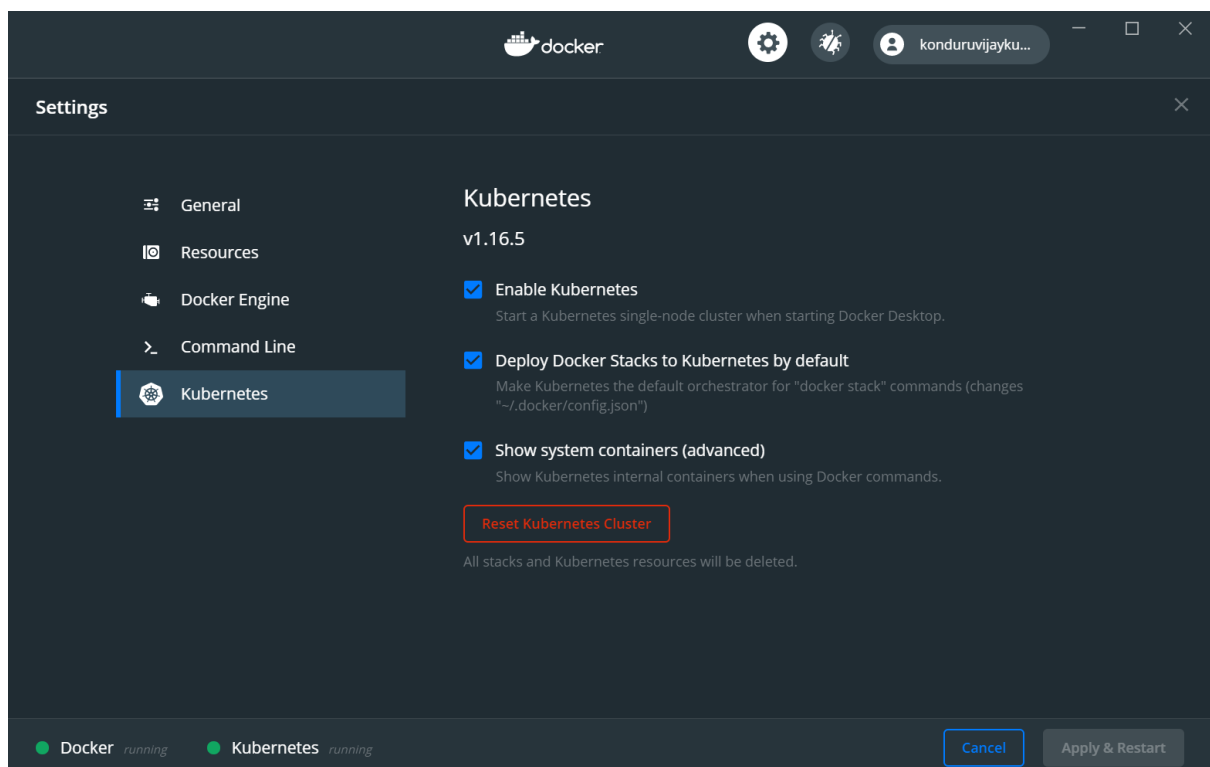


## Docker and application setup



```
MINGW64/c/Users/vijayk/git/docker-samples
vijayk@DESKTOP-QH5LGCQ MINGW64 ~/git/docker-samples (master)
$ docker --help

Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Options:
  --config string      Location of client config files (default
                        "C:\\Users\\vijayk\\.docker")
  -c, --context string  Name of the context to use to connect to the
                        daemon (overrides DOCKER_HOST env var and
                        default context set with "docker context use")
  -D, --debug           Enable debug mode
  -H, --host list       Daemon socket(s) to connect to
  -l, --log-level string Set the logging level
                        ("debug"|"info"|"warn"|"error"|"fatal")
                        (default "info")
  --tls                Use TLS; implied by --tlsverify
  --tlscacert string    Trust certs signed only by this CA (default
                        "C:\\Users\\vijayk\\.docker\\ca.pem")
  --tlscert string       Path to TLS certificate file (default
                        "C:\\Users\\vijayk\\.docker\\cert.pem")
  --tlskey string        Path to TLS key file (default
                        "C:\\Users\\vijayk\\.docker\\key.pem")
  --tlsverify           Use TLS and verify the remote
  -v, --version         Print version information and quit

Management Commands:
  builder      Manage builds
  config        Manage Docker configs
  container     Manage containers
  context       Manage contexts
  image         Manage images
  network       Manage networks
  node          Manage Swarm nodes
  plugin        Manage plugins
  secret        Manage Docker secrets
  service       Manage services
  stack         Manage Docker stacks
  swarm         Manage Swarm
  system        Manage Docker
  trust         Manage trust on Docker images
  volume        Manage volumes

Commands:
  attach        Attach local standard input, output, and error streams to a running container
  build          Build an image from a Dockerfile
```

```
C:\Users\vijayk\git\docker-samples\alpine-linux\Dockerfile - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

1 FROM alpine
2
3 CMD ["echo", "Hello, Welcome to docker from alpine linux!"]
4
```

```
MINGW64/c/Users/vijayk/git/docker-samples/alpine-linux
v@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
$ docker build -f Dockerfile -t alpine .
Sending build context to Docker daemon 2.048kB
Step 1/2 : FROM alpine
--> fb97af148392
Step 2/2 : CMD ["echo", "Hello, welcome to docker from alpine linux!"]
--> Running in e65ef6d8c377
Removing intermediate container e65ef6d8c377
--> 8729cf9d8de6
Successfully built 8729cf9d8de6
Successfully tagged alpine:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

v@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
$
```

docker build -f Dockerfile -t alpine .

```
MINGW64/c/Users/vijayk/git/docker-samples/alpine-linux
v@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
$ docker build -f Dockerfile -t alpine .
Sending build context to Docker daemon 2.048kB
Step 1/2 : FROM alpine
--> fb97af148392
Step 2/2 : CMD ["echo", "Hello, welcome to docker from alpine linux!"]
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Removing intermediate container e65ef6d8c377
--> 8729cf9d8de6
Successfully built 8729cf9d8de6
Successfully tagged alpine:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

v@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
alpine              latest             8729cf9d8de6       About a minute ago 5.61MB
java-helloworld     <none>            d7834609af96       8 days ago         265MB
<none>              <none>            f70734b6a266       3 weeks ago        5.61MB
alpine              8-jre             2a3181d4c6eb       3 weeks ago        265MB
openjdk             8-jre             8b32422733b3       3 weeks ago        222MB
kubernetesui/metrics-scraper v1.0.4           86262685d9ab       7 weeks ago        36.9MB
kubernetesui/dashboard 8-jre            e704287ce753       7 weeks ago        41.8MB
docker/desktop-storage-provisioner v1.0           605a0f683b7b       2 months ago       33.1MB
docker/desktop-vpnkit-controller v1.0           79da37e5a3aa       2 months ago       36.6MB
docker/desktop-kubernetes kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0 a86647f0b376       3 months ago       279MB
k8s.gcr.io/kube-controller-manager v1.16.5       441835dd2301       4 months ago       151MB
k8s.gcr.io/kube-proxy v1.16.5       0ee1b8a3ebe0       4 months ago       82.7MB
k8s.gcr.io/kube-scheduler v1.16.5       b4d073a9efda       4 months ago       83.5MB
k8s.gcr.io/kube-apiserver v1.16.5       fc838b21afbb       4 months ago       159MB
docker/kube-compose-controller v0.4.25-alpha1 129151cdf35f       6 months ago       35.6MB
docker/kube-compose-api-server v0.4.25-alpha1 989749268895       6 months ago       50.7MB
docker/kube-compose-installer v0.4.25-alpha1 2a71ac5a1359       6 months ago       42.3MB
k8s.gcr.io/kube-controller-manager v1.15.5       1399a72fa1a9       7 months ago       159MB
k8s.gcr.io/kube-proxy v1.15.5       cbd7f21fec99       7 months ago       82.4MB
k8s.gcr.io/kube-apiserver v1.15.5       e534b1952a0d       7 months ago       207MB
k8s.gcr.io/kube-scheduler v1.15.5       fab2dded59dd       7 months ago       81.1MB
k8s.gcr.io/etcd 3.3.15-0      b2756210eeab       8 months ago       247MB
k8s.gcr.io/coredns 1.6.2         bf261d157914       9 months ago       44.1MB
docker/kube-compose-controller v0.4.23       a8c8d87a5867       11 months ago      35.3MB
docker/kube-compose-api-server v0.4.23       f3591b2cb223       11 months ago      49.9MB
k8s.gcr.io/coredns 1.3.1         eb16548c180        16 months ago      40.3MB
k8s.gcr.io/etcd 3.3.10         2c4adeb21b4f       17 months ago      258MB
k8s.gcr.io/pause 3.1           da86e6ba6ca1       2 years ago        742KB
openjdk             9-b136-jre       88fcl2e90817       3 years ago        398MB

v@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
$
```

docker images

```
--users string      User namespace to use
--uts string        UTS namespace to use
-v, --volume list   Bind mount a volume
--volume-driver string Optional volume driver for the
                    container
--volumes-from list Mount volumes from the specified
                    container(s)
-w, --workdir string Working directory inside the container
```

```
vijayk@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
```

```
$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
alpine	latest	8723cf9d8de6	5 minutes ago	5.61MB
java-helloworld	latest	b57ac723abc6	8 days ago	398MB
<none>	<none>	d7834609af96	8 days ago	265MB
alpine	<none>	f70734b6a266	3 weeks ago	5.61MB
openjdk	8-jre	2a3181d4c6eb	3 weeks ago	265MB
kubernetes/dashboard	v2.0.0	8b32422733b3	3 weeks ago	222MB
kubernetes/metrics-scraper	v1.0.4	86262685d9ab	7 weeks ago	36.9MB
docker/desktop-storage-provisioner	v1.1	e704287ce753	7 weeks ago	41.8MB
docker/desktop-storage-provisioner	v1.0	605a0f683b7b	2 months ago	33.1MB
docker/desktop-vpnkit-controller	v1.0	79da37e5a3aa	2 months ago	36.6MB
docker/desktop-kubernetes	kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0	a86647f0b376	3 months ago	279MB
k8s.gcr.io/kube-scheduler	v1.16.5	b4d073a9efda	4 months ago	83.5MB
k8s.gcr.io/kube-controller-manager	v1.16.5	441835dd2301	4 months ago	151MB
k8s.gcr.io/kube-apiserver	v1.16.5	fc838b21afbb	4 months ago	159MB
k8s.gcr.io/kube-proxy	v1.16.5	0ee1b3a3ebe0	4 months ago	82.7MB
docker/kube-compose-controller	v0.4.25-alpha1	129151cdf35f	6 months ago	35.6MB
docker/kube-compose-api-server	v0.4.25-alpha1	989749268895	6 months ago	50.7MB
docker/kube-compose-installer	v0.4.25-alpha1	2a71ac5a1359	6 months ago	42.3MB
k8s.gcr.io/kube-proxy	v1.15.5	cbd7f21fec99	7 months ago	82.4MB
k8s.gcr.io/kube-controller-manager	v1.15.5	1399a72f11a9	7 months ago	159MB
k8s.gcr.io/kube-apiserver	v1.15.5	e534b1952a0d	7 months ago	207MB
k8s.gcr.io/kube-scheduler	v1.15.5	fab2dded59dd	7 months ago	81.1MB
k8s.gcr.io/etcd	3.3.15-0	b2756210eeab	8 months ago	247MB
k8s.gcr.io/coredns	1.6.2	bf261d157914	9 months ago	44.1MB
docker/kube-compose-controller	v0.4.23	a8c3d87a58e7	11 months ago	35.3MB
docker/kube-compose-api-server	v0.4.23	f3591b2cb223	11 months ago	49.9MB
k8s.gcr.io/coredns	1.3.1	eb516548c180	16 months ago	40.3MB
k8s.gcr.io/etcd	3.3.10	2c4adeb21b4f	17 months ago	258MB
k8s.gcr.io/pause	3.1	da86e6ba6ca1	2 years ago	742KB
openjdk	9-b136-jre	88fc12e90817	3 years ago	398MB

```
vijayk@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
```

```
$ docker run 8729cf9d8de6
```

```
Hello, welcome to docker from alpine linux!
```

```
vijayk@DESKTOP-QM5LGCQ MINGW64 ~/git/docker-samples/alpine-linux (master)
```

```
$
```