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minikube

: <https://minikube.sigs.k8s.io/docs/start/>

CentOS 7 minikube

2021-04-23

minikube 가

가

. minikube

- Docker
- Hyperkit
- Hyper-V
- KVM
- Parallels
- Podman
- VirtualBox
- VMWare

가 /

가

Docker가

가

. CentOS

Docker

```
[root@minikube ~]# yum -y install docker
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: mirror.kakao.com
 * extras: mirror.kakao.com
 * updates: mirrors.aliyun.com
Resolving Dependencies
--> Running transaction check
---> Package docker.x86_64 2:1.13.1-204.git0be3e21.el7 will be installed
--> Processing Dependency: docker-common = 2:1.13.1-204.git0be3e21.el7 for
package: 2:docker-1.13.1-204.git0be3e21.el7.x86_64
...
subscription-manager-rhsm-certificates.x86_64 0:1.24.45-1.el7.centos
usermode.x86_64 0:1.111-6.el7
yajl.x86_64 0:2.0.4-4.el7

Complete!
```

minikube

```

minikube          binary  debian / redhat          가 가
                  CentOS 7    rpm                      .
                  minikube-latest.x86_64.rpm                      .

```

```

[root@minikube ~]# curl -LO
https://storage.googleapis.com/minikube/releases/latest/minikube-latest.x86_
64.rpm
  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current                                  Dload  Upload   Total   Spent    Left
Speed
  0     0    0     0    0     0     0     0  --:--:--  --:--:--  --:--:--
0
100 14.2M 100 14.2M    0     0 3866k    0  0:00:03  0:00:03  --:--:--
3866k
[root@minikube ~]#
[root@minikube ~]# rpm -ivh minikube-latest.x86_64.rpm
Preparing...                               #####
[100%]
Updating / installing...
 1:minikube-1.19.0-0                         #####
[100%]
[root@minikube ~]#

```

가 . .

minikube

```

minikube          . minikube start          .

```

```

[root@minikube ~]# minikube start

```

docker가 docker

```

가          docker가          docker

```

```

* minikube v1.19.0 on Centos 7.9.2009 (kvm/amd64)
* Unable to pick a default driver. Here is what was considered, in
preference order:
- vmware: Not installed: exec: "docker-machine-driver-vmware": executable

```

```
file not found in $PATH
- docker: Not healthy: "docker version --format {{.Server.Os}}-
{{.Server.Version}}" exit status 1: Cannot connect to the Docker daemon at
unix:///var/run/docker.sock. Is the docker daemon running?
- kvm2: Not installed: exec: "virsh": executable file not found in $PATH
- podman: Not installed: exec: "podman": executable file not found in
$PATH
- virtualbox: Not installed: unable to find VBoxManage in $PATH
```

X Exiting due to DRV_NOT_DETECTED: No possible driver was detected. Try specifying --driver, or see <https://minikube.sigs.k8s.io/docs/start/>

```
systemctl start docker          docker          .
```

```
[root@minikube ~]# systemctl enable docker
Created symlink from /etc/systemd/system/multi-
user.target.wants/docker.service to /usr/lib/systemd/system/docker.service.
[root@minikube ~]# systemctl restart docker
```

root privileges

```
[root@minikube ~]# minikube start
* minikube v1.19.0 on Centos 7.9.2009 (kvm/amd64)
* Automatically selected the docker driver. Other choices: none, ssh
* The "docker" driver should not be used with root privileges.
* If you are running minikube within a VM, consider using --driver=none:
*   https://minikube.sigs.k8s.io/docs/reference/drivers/none/
```

X Exiting due to DRV_AS_ROOT: The "docker" driver should not be used with root privileges.

```
docker          root          가          root
                .          --driver=none          .
```

contrack

```
[root@minikube ~]# minikube start --driver=none
* minikube v1.19.0 on Centos 7.9.2009 (kvm/amd64)
* Using the none driver based on user configuration
```

X Exiting due to GUEST_MISSING_CONTRACK: Sorry, Kubernetes 1.20.2 requires contrack to be installed in root's path

contrack 가
netfilter contrack 가

```
[root@minikube ~]# yum -y install contrack
Loaded plugins: fastestmirror, product-id, search-disabled-repos,
subscription-manager

This system is not registered with an entitlement server. You can use
subscription-manager to register.

Loading mirror speeds from cached hostfile
* base: mirror.kakao.com
* extras: mirror.kakao.com
* updates: mirrors.aliyun.com
Resolving Dependencies
--> Running transaction check
---> Package contrack-tools.x86_64 0:1.4.4-7.el7 will be installed

...

Installed:
  contrack-tools.x86_64 0:1.4.4-7.el7

Dependency Installed:
  libnetfilter_cthelper.x86_64 0:1.0.0-11.el7
  libnetfilter_cttimeout.x86_64 0:1.0.0-7.el7
  libnetfilter_queue.x86_64 0:1.0.2-2.el7_2

Complete!
[root@minikube ~]#
```

minikube

```
[root@minikube ~]# minikube start --driver=none
```

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