

# 06.cadvisor容器部署

## 一、启动cadvisor metrics采集容器

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```
docker run \  
  --volume=/:/rootfs:ro \  
  --volume=/var/run:/var/run:rw \  
  --volume=/sys:/sys:ro \  
  --volume=/var/lib/docker/:/var/lib/docker:ro \  
  --volume=/dev/disk/:/dev/disk:ro \  
  --publish=8080:8080 \  
  --detach=true \  
  --name=cadvisor \  
  google/cadvisor:v0.33.0  
  
--net=host  
--publish=8080:8080
```

备注：cadvisor的默认监听端口为"8080"

```

(base) [root@it5-prometheus-monitor ~]# docker run
> --volume=/:/rootfs:ro \
> --volume=/var/run:/var/run:rw \
> --volume=/sys:/sys:ro \
> --volume=/var/lib/docker:/var/lib/docker:ro \
> --volume=/dev/disk/:/dev/disk:ro \
> --publish=8080:8080 \
> --detach=true \
> --name=cadvisor \
> google/cadvisor:v0.33.0
Unable to find image 'google/cadvisor:v0.33.0' locally
v0.33.0: Pulling from google/cadvisor
169185f82c45: Pull complete
bd29476a29dd: Pull complete
a2eb18ca776e: Pull complete
Digest: sha256:47f1f8c02a3acfab77e74e2ec7acc0d475adc180ddff428503a4ce63f3d6061b
Status: Downloaded newer image for google/cadvisor:v0.33.0
c9bfd9db2bdc2bad75889c5527e799825bbe5f6dfb444613cb9628902e61bb27
(base) [root@it5-prometheus-monitor ~]# docker ps -a
CONTAINER ID        IMAGE               COMMAND                  CREATED            STATUS              PORTS              NAMES
c9bfd9db2bdc        google/cadvisor:v0.33.0    "/usr/bin/cadvisor - ..."   7 seconds ago      Up 7 seconds (health: starting)    0.0.0.0:8080->8080/tcp    cadvisor

```

01.启动docker 容器监听服务 cadvisor

02.查看cadvisor容器启动状态

```

(base) [root@it5-prometheus-monitor ~]#
(base) [root@it5-prometheus-monitor ~]#
(base) [root@it5-prometheus-monitor ~]#
(base) [root@it5-prometheus-monitor ~]#
(base) [root@it5-prometheus-monitor ~]# curl http://localhost:8080/metrics|more
# HELP cadvisor_version_info A metric with a constant '1' value labeled by kernel version, OS version, docker version, cadvisor version & cadvisor
# TYPE cadvisor_version_info gauge
cadvisor_version_info{cadvisorRevision="511ec9ef",cadvisorVersion="v0.33.0",dockerVersion="19.03.1",kernelVersion="3.10.0-957.1.3.el7.x86_64",osVersion="Linux v3.8"} 1
# HELP container_cpu_load_average_10s Value of container cpu load average over the last 10 seconds.
# TYPE container_cpu_load_average_10s gauge
container_cpu_load_average_10s{container_label_maintainer="",id="/",image="",name=""} 0 1565062112887
container_cpu_load_average_10s{container_label_maintainer="",id="/docker",image="",name=""} 0 1565062113489
container_cpu_load_average_10s{container_label_maintainer="",id="/docker/c9bfd9db2bdc2bad75889c5527e799825bbe5f6dfb444613cb9628902e61bb27",image="google/cadvisor:v0.33.0",name="cadvisor"} 0 1565062113053
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice",image="",name=""} 0 1565062112179
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/auditd.service",image="",name=""} 0 1565062080712
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/chronyd.service",image="",name=""} 0 1565062054225
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/cloud-config.service",image="",name=""} 0 1565062099538
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/cloud-final.service",image="",name=""} 0 1565062098079
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/cloud-init-local.service",image="",name=""} 0 1565062112548
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/cloud-init.service",image="",name=""} 0 1565062019377
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/containerd.service",image="",name=""} 0 1565062113023
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/crond.service",image="",name=""} 0 1565062103630
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/dbus.service",image="",name=""} 0 1565062112858
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/docker.service",image="",name=""} 0 1565062113688
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/gssproxy.service",image="",name=""} 0 156506209672
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/irqbalance.service",image="",name=""} 0 1565062110255
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/kdump.service",image="",name=""} 0 1565062112643
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/kmod-static-nodes.service",image="",name=""} 0 1565062080812
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/mysqld.service",image="",name=""} 0 1565062113066

```

01.curl 获取cadvisor 采集的容器 metrics信息

```
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/network.service",image="",name=""} 0 1565062111550
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/polkit.service",image="",name=""} 0 1565062113845
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/postfix.service",image="",name=""} 0 1565062111976
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/rhel-dmesg.service",image="",name=""} 0 1565062112800
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/rhel-domainname.service",image="",name=""} 0 1565062094963
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/rhel-import-state.service",image="",name=""} 0 1565062112512
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/rhel-readonly.service",image="",name=""} 0 1565062110035
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/rpcbind.service",image="",name=""} 0 1565062108899
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/rsyslog.service",image="",name=""} 0 1565062113310
container_cpu_load_average_10s{container_label_maintainer="",id="/system.slice/sshd.service",image="",name=""} 0 1565062097801
```