

# **influx\_vs\_victoriamerics\_cluster\_test\_report**

## **环境**

- **Prometheus:** 178.104.163.111 2c4g

- **k8s集群:** 178.104.163.88

docker version:20.10.16 k8s version: 1.20.6

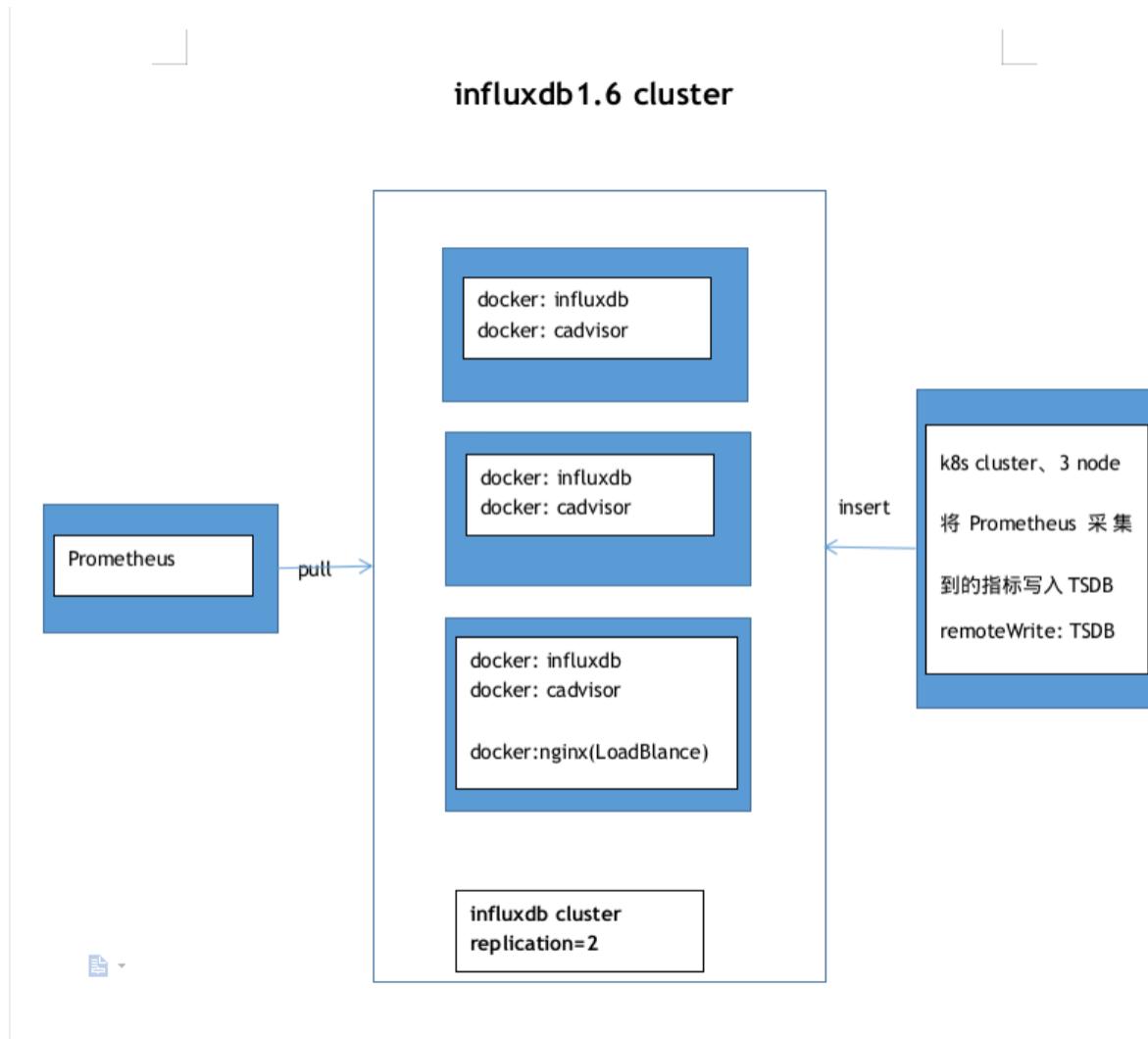
- **influxdb-cluster**

178.104.163.151 influx-1 2c4g  
178.104.163.26 influx-2 4c8g  
178.104.163.53 influx-3 4c8g

内核版本: 3.10.0-862.el7.x86\_64

docker version: 20.10.17

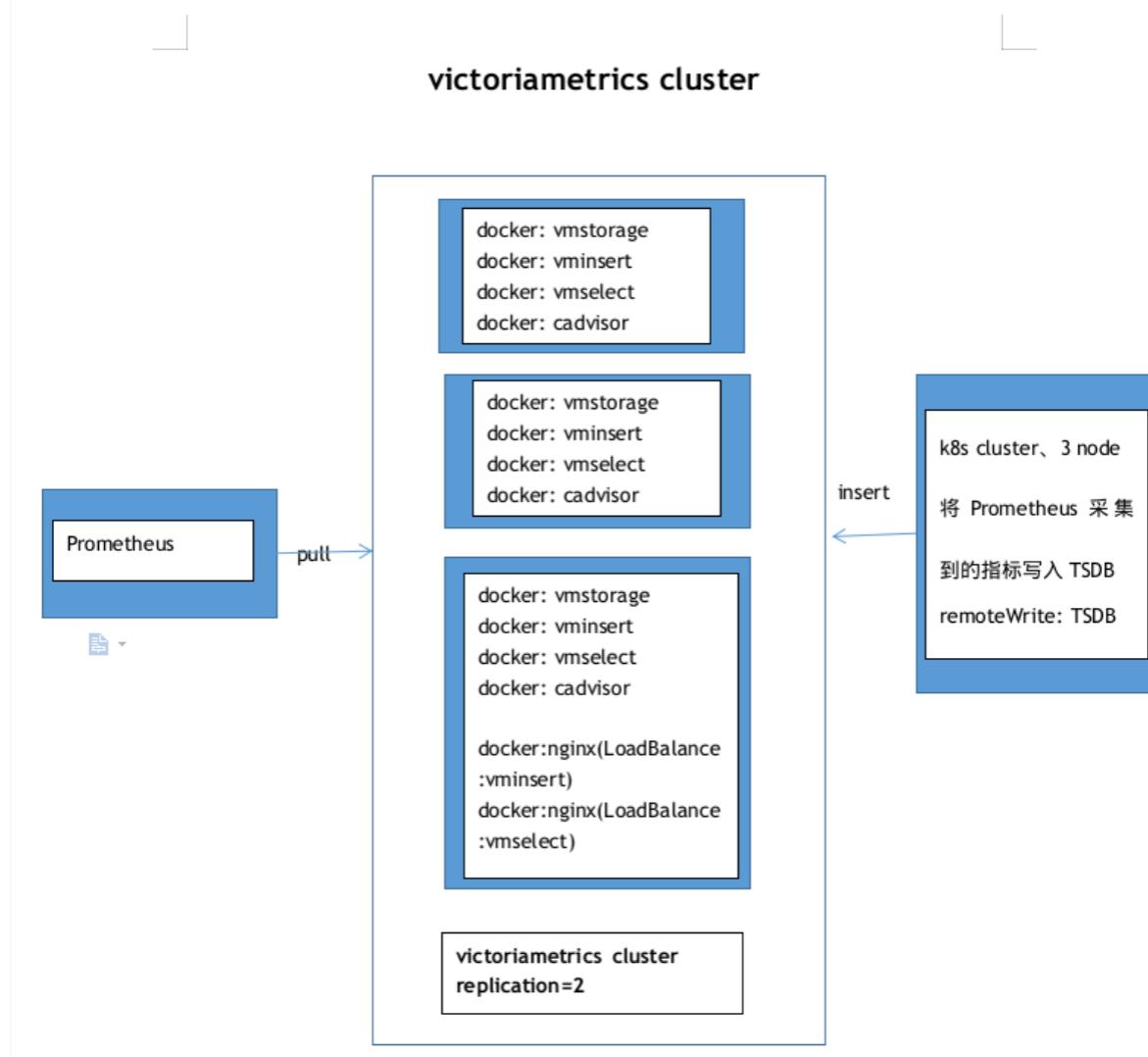
## **架构图**



- **victoriamerics-cluster**

```
178.104.163.177 tsdb1 2c4g  
178.104.163.76 tsdb2 4c8g  
178.104.163.113 tsdb3 4c8g
```

## 架构图



## 部署方式

- [influxdb cluster 部署方式](#)
- [victoriametrics cluster 部署方式](#)

## 测试结果

运行时间三天

```
# 磁盘本地存储  
[root@influx-1 ~]# du -sh /var/lib/influxdb/  
1.5G    /var/lib/influxdb/  
[root@influx-2 ~]# du -sh /var/lib/influxdb/  
707M    /var/lib/influxdb/  
[root@influx-3 ~]# du -sh /var/lib/influxdb/  
1.7G    /var/lib/influxdb/  
-----  
[root@tsdb-cluster-3 ~]# du -sh /var/lib/vm  
122M    /var/lib/vm
```

```
[root@tsdb-cluster-2 ~]# du -sh /var/lib/vm
174M    /var/lib/vm
[root@tsdb-cluster-1 ~]# du -sh /var/lib/vm
199M    /var/lib/vm
```

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
16d72f0439f4	cadvisor	3.87%	45.59MiB / 3.684GiB	1.21%	17MB / 414MB	0B / 0B	14
925b8f0af39d	root-influxdb-1	29.03%	1.34GiB / 3.684GiB	36.37%	0B / 0B	303kB / 177GB	29
^C							

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
7b509dc43d0f	cadvisor	3.74%	53.52MiB / 7.622GiB	0.69%	17MB / 433MB	0B / 0B	19
86ccbd5e93d2	root-influxdb-1	7.36%	685.1MiB / 4GiB	16.73%	0B / 0B	0B / 102GB	32
^C							

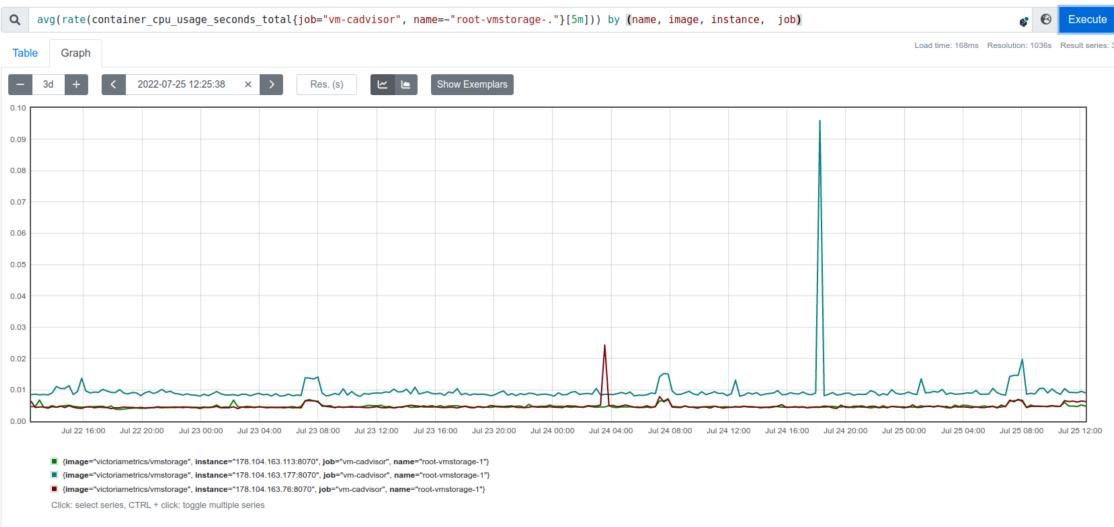
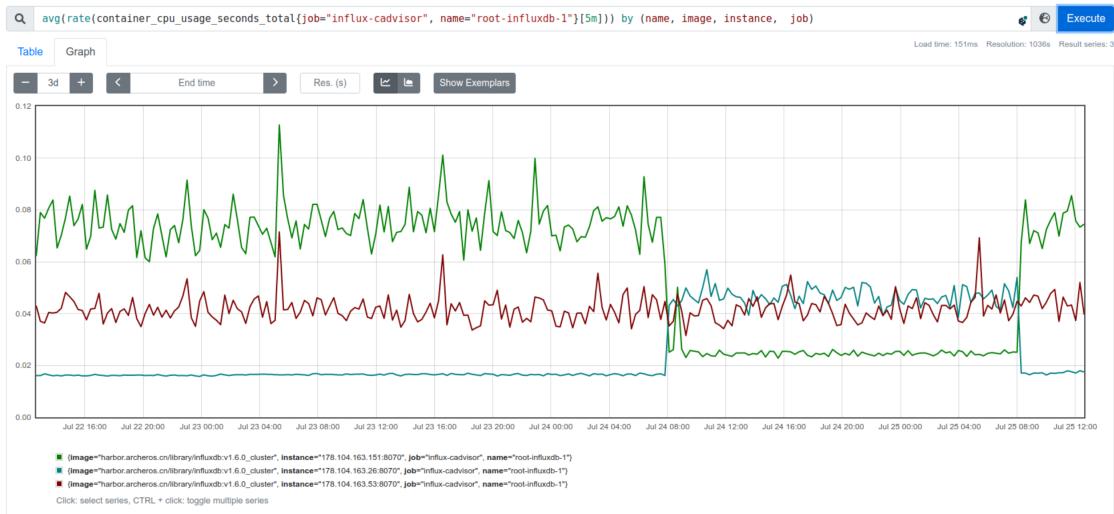
CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
60e7b12e90dc	cadvisor	1.73%	52.12MiB / 7.622GiB	0.67%	35.1MB / 514MB	0B / 0B	19
f906a58f5dba	influx_nginx	1.68%	1.562MiB / 1GiB	0.15%	17GB / 16.8GB	0B / 2.85MB	2
6b28e72187e8	root-influxdb-1	33.62%	1.243GiB / 4GiB	31.08%	0B / 0B	0B / 201GB	22
^C							

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
a56023ec373e	cadvisor	3.89%	60.15MiB / 7.622GiB	0.77%	33.3MB / 1.56GB	31.4MB / 0B	20
f1dc7f95578c	select_nginx	0.00%	2.273MiB / 1GiB	0.22%	1.87MB / 1.92MB	6.25MB / 0B	2
4c9ca2f50279	insert_nginx	0.00%	2.504MiB / 1GiB	0.24%	27.4GB / 27.16B	5.62MB / 4.1kB	2
8094fe94699c	root-vminsert-1	0.19%	21.41MiB / 1GiB	2.09%	0B / 0B	10.5MB / 0B	12
18ccc4d67362	root-vmselect-1	0.20%	15.23MiB / 1GiB	1.49%	0B / 0B	11.7MB / 8.19kB	11
d36b329655a8	root-vmstorage-1	0.57%	106.2MiB / 2GiB	5.19%	0B / 0B	381kB / 7.45GB	16
^C							

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
4a3e73a69aa2	cadvisor	3.80%	58.38MiB / 7.622GiB	0.75%	25.1MB / 941MB	31.3MB / 0B	20
a358714f9651	root-vmstorage-1	0.88%	198MiB / 2GiB	9.67%	0B / 0B	18.3MB / 10.3GB	21
f1ed2c7c5af9	root-vmselect-1	0.17%	16.88MiB / 1GiB	1.65%	0B / 0B	0B / 0B	11
dd49d46d6fd	root-vminsert-1	0.29%	21.79MiB / 1GiB	2.13%	0B / 0B	0B / 0B	12
^C							

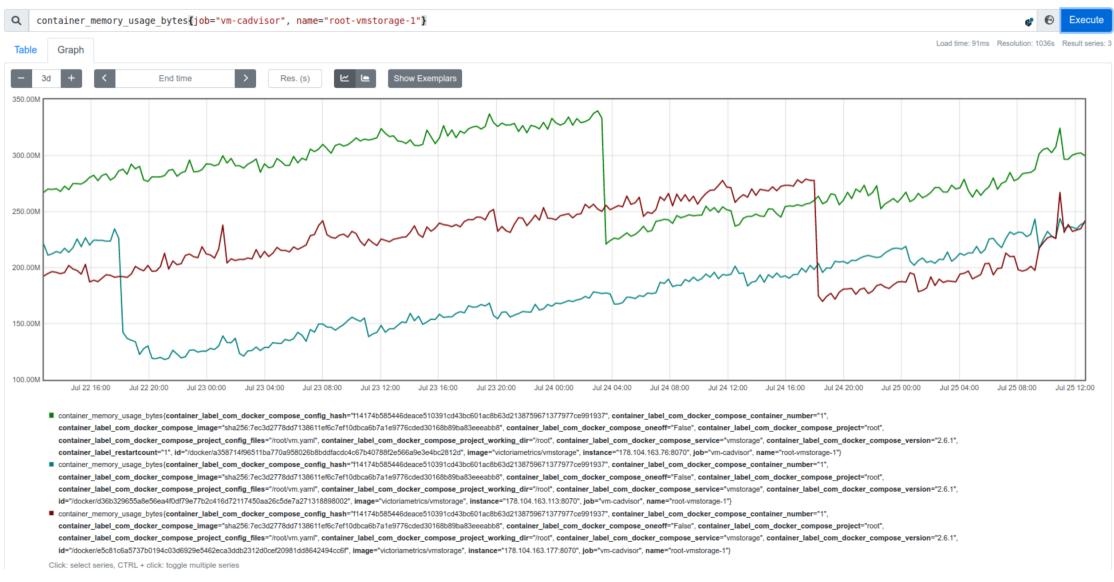
CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
5e5e3e752db9	cadvisor	2.35%	50.87MiB / 3.684GiB	1.35%	26.9MB / 767MB	31.4MB / 0B	15
e5c81c6a5737	root-vmstorage-1	9.56%	120.3MiB / 2GiB	5.88%	0B / 0B	19.3MB / 10.56B	15
9c97cded7b30d	root-vmselect-1	0.13%	12.5MiB / 1GiB	1.22%	0B / 0B	0B / 2.56kB	8
7c7742010ed7	root-vminsert-1	0.68%	18.51MiB / 1GiB	1.81%	0B / 0B	0B / 0B	9
^C							

## • CPU

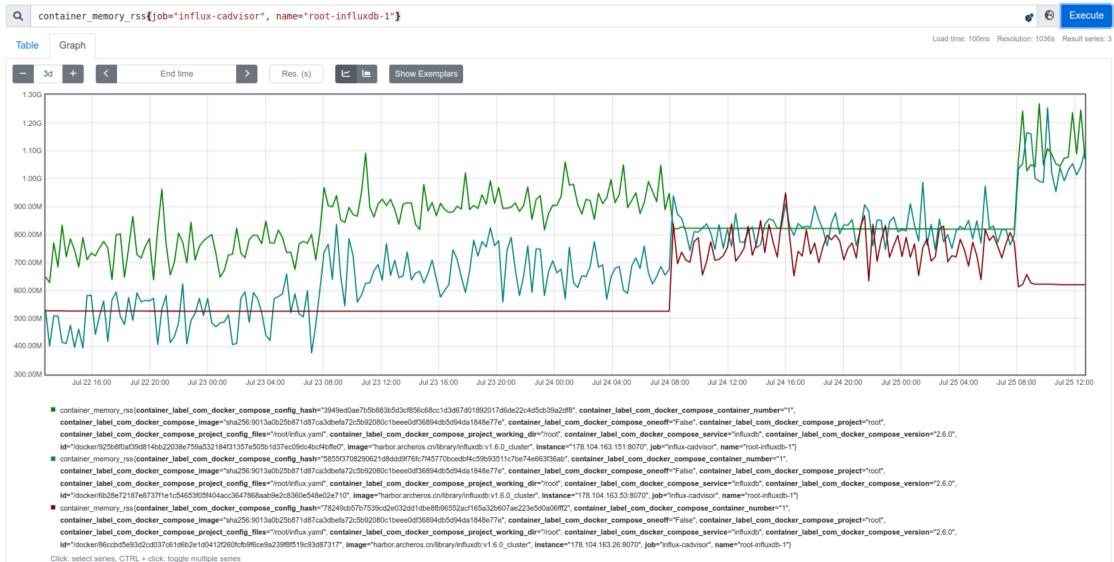


## • Memory





- RSS



## • Disk

