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Des données au BigData: exploitez le stockage distribué !



Docker Acquires Infini: A New Data Layer For Distributed Applications

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 [data layer](#), [distributed storage](#), [distributed systems](#), [stateful applications](#), [stateful services](#), [storage](#), [Storage Drivers](#), [storage system](#)



The short version: Docker acquired a fantastic company called Infini. Using their technology, we will provide secure distributed storage out of the box, making it much easier to deploy stateful services and legacy enterprise applications on Docker. This will be delivered in a very open and modular design, so operators can easily integrate their existing storage systems, tune advanced settings, or simply disable the feature altogether. Oh, and we're going to open-source the whole thing.

Basic Test

- ✦ rake infinit:instantiate
- ✦ rake infinit:list
- ✦ rake infinit:deploy

```
[david.delavennat@hyper6 infinit]$ ssh 10.100.0.20 -l root -o StrictHostKeyChecking=no -o CheckHostIP=no -o UserKnownHostsFile=/dev/null
```

```
Warning: Permanently added '10.100.0.20' (ECDSA) to the list of known hosts.
```

```
Welcome to Ubuntu 16.04 LTS (GNU/Linux 4.4.0-22-generic x86_64)
```

```
* Documentation:  https://help.ubuntu.com/
```

```
Get cloud support with Ubuntu Advantage Cloud Guest:  
http://www.ubuntu.com/business/services/cloud
```

```
117 packages can be updated.
```

```
32 updates are security updates.
```

Basic Test

```
root@ubuntu:/opt/infinitt# cd /opt/infinitt/ && INFINITT_DATA_HOME=$PWD/share/infinitt/filesystem/test/home/ INFINITT_STATE_HOME=/tmp/infinitt-demo/ /opt/infinitt/bin/infinitt-volume --mount --as demo --name infinitt/demo --mountpoint /mnt/demo --publish --cache
Running network "infinitt/demo".
[infinitt-volume] [main] client version: 0.7.2
[infinitt.model.Model] [main] infinitt::model::Model(0x2616930): compatibility version 0.3.0
[infinitt.overlay.kelips] [main] Running in observer mode
[infinitt.overlay.kelips] [main] Kelips(0.0.0.0:0): listening on 0.0.0.0:38316
Fetched endpoints for "infinitt/demo".
Running volume "infinitt/demo".
```

```
root@ubuntu:~# df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            240M     0  240M   0% /dev
tmpfs           49M   1.9M   48M   4% /run
/dev/vda1       2.1G  1.7G  411M  81% /
tmpfs           245M     0  245M   0% /dev/shm
tmpfs           5.0M     0   5.0M   0% /run/lock
tmpfs           245M     0  245M   0% /sys/fs/cgroup
tmpfs           100K     0   100K   0% /run/lxcfs/controllers
tmpfs           49M     0   49M   0% /run/user/0
/dev/fuse       30T     0   30T   0% /mnt/demo
root@ubuntu:~# ls /mnt/demo
Aosta Valley  Brannenburg  Cape Town  Infinitt_MakingOf.mp4  New York  Paris
root@ubuntu:~# ls /mnt/demo/Paris
IMG_0826.JPG  IMG_1230.MOV  IMG_1361.MOV  IMG_1543.JPG
IMG_0946.JPG  IMG_1292.JPG  IMG_1516.JPG
```

Liens

- ✦ <https://infini.sh/>
- ✦ <http://blog.infini.sh/our-presentation-at-docker-distributed-systems-summit/>
- ✦ <http://www.slideshare.net/infini-one/persistent-storage-tailored-for-containers-dockersummit>