

Docker Machine CloudStack Driver

This project was originally from: <https://github.com/dahendel/docker-machine-driver-cloudstack>

This repo just rolls back changes to commit : <https://github.com/dahendel/docker-machine-driver-cloudstack/commit/406d4206b40ca4ca38cbf559355ba785566d28c3>

This is done to allow for user-data to be passed.

```
sudo apt install rpm
```

```
sudo snap install goreleaser --classic
sudo apt install golang-go
```

```
mkdir -p ~/go/bin
cd ~/go/bin
curl https://raw.githubusercontent.com/golang/dep/master/install.sh | sh
cd ~/go
```

```
export GOPATH=$(pwd)
export PATH=$PATH:/home/cisadmin/go/bin
mkdir -p src/github.com/dahendel
cd src/github.com/dahendel
git clone https://github.com/dahendel/docker-machine-driver-cloudstack.git
cd docker-machine-driver-cloudstack/
git reset --hard 406d4206b40ca4ca38cbf559355ba785566d28c3
goreleaser --skip-publish --rm-dist
```

```
cp /home/cisadmin/go/src/github.com/dahendel/docker-machine-driver-
cloudstack/dist/linux_amd64/docker-machine-driver-cloudstack
/usr/local/bin/docker-machine-driver-cloudstack
```

Docker

Install Docker Engine

```
curl -sSL https://get.docker.com/ | sh
#sudo systemctl start docker
```

```
sudo -i
echo "deb [arch=amd64] https://download.docker.com/linux/ubuntu disco stable test"
> /etc/apt/sources.list.d/docker.list
apt-get update
apt-get install docker-ce
```

```
MACHINEVERSION=0.16.1
curl -L
https://github.com/docker/machine/releases/download/v$MACHINEVERSION/docker-
machine-$(uname -s)-$(uname -m) >/tmp/docker-machine
chmod +x /tmp/docker-machine
sudo mv /tmp/docker-machine /usr/local/bin/docker-machine
```

```
COMPOSEVERSION=1.24.0
curl -L
https://github.com/docker/compose/releases/download/$COMPOSEVERSION/docker-
compose-`uname -s`-`uname -m` >/tmp/docker-compose
chmod +x /tmp/docker-compose
sudo mv /tmp/docker-compose /usr/local/bin/docker-compose
```

```
wget https://github.com/dahendel/docker-machine-driver-
cloudstack/releases/download/v1.0.2/docker-machine-driver-
cloudstack_1.0.2_Linux_x86_64
```

```
sudo snap install goreleaser --classic
sudo apt install golang-go
goreleaser --snapshot --skip-publish --rm-dist
```

Docker Machine CloudStack Driver is a driver for [Docker Machine](#). It allows to create Docker hosts on [Apache CloudStack](#) and [Accelerite CloudPlatform](#).

Added Functionality

- The `--cloudstack-userdata-file` now supports passing urls
- In the userdata file if `ssh_authorized_keys` then the driver grabs the first public key and expects that `ssh_keys` contains a private key so that docker-machine can ssh into the VM after creation

- It also checks if the key in the userdata file exists in cloudstack based on the public key fingerprint, and if it does writes it to the new machines StoragePath (/home/\$USER/.docker/machine/machines/\$MACHINE_NAME)

```

sudo apt install golang-go
42 sudo apt install rpm
43 mkdir go
44 cd go/
45 export GOPATH=$(pwd)
46 mkdir -p src/github.com/dahendel
47 cd src/github.com/dahendel
48 git clone https://github.com/dahendel/docker-machine-driver-cloudstack.git
49 cd docker-machine-driver-cloudstack/
50 git reset --hard 406d4206b40ca4ca38cbf559355ba785566d28c3
51 goreleaser --skip-publish --rm-dist
52 goreleaser --skip-publish --rm-dist --debug
53 curl https://raw.githubusercontent.com/golang/dep/master/install.sh | sh
54 cd ~/go
55 mkdir bin
56 cd bin
57 curl https://raw.githubusercontent.com/golang/dep/master/install.sh | sh
58 cd ~/go
59 ls
60 cd src/github.com/dahendel/docker-machine-driver-cloudstack/
61 goreleaser --skip-publish --rm-dist
62 goreleaser --skip-publish --rm-dist --debug
63 echo $PATH
64 export PATH=$PATH:/home/cisadmin/go/bin
65 goreleaser --skip-publish --rm-dist --debug
66 history

```

```
goreleaser --skip-publish --rm-dist --debug
```

```

ls /home/cisadmin/go/src/github.com/dahendel/docker-machine-driver-
cloudstack/dist/linux_amd64/docker-machine-driver-cloudstack
cp /home/cisadmin/go/src/github.com/dahendel/docker-machine-driver-
cloudstack/dist/linux_amd64/docker-machine-driver-cloudstack
/usr/local/bin/docker-machine-driver-cloudstack

```

```

$ cat teamovd.sh
docker-machine -D create -d cloudstack \
  --cloudstack-api-url http://cloud.cs.siu.edu:8080/client/api \
  --cloudstack-api-key \
  --cloudstack-secret-key \
  --cloudstack-template "Ubuntu 19 v1.2" \
  --cloudstack-zone "zone" \
  --cloudstack-service-offering "1GHz @ 4xCPU, 4GB of Ram" \
  --cloudstack-network CSOVD \

```

```
--cloudstack-use-port-forward \  
--cloudstack-use-private-address \  
--cloudstack-expunge \  
docker-machine17
```

```
$ docker-machine -D create -d cloudstack \  
> --cloudstack-api-url http://cloud.cs.siu.edu:8080/client/api \  
> --cloudstack-api-key \  
> --cloudstack-secret-key \  
> --cloudstack-template "Ubuntu 19 v1.1" \  
> --cloudstack-zone "zone" \  
> --cloudstack-service-offering "1GHz @ 4xCPU, 4GB of Ram" \  
> --cloudstack-network CSOVD \  
> --cloudstack-expunge \  
> docker-machine13
```

```
docker-machine rm -f docker-machine13
```

Requirements

- [Docker Machine](#) 0.5.1 or later

Installation

Download the binary from following link and put it within your PATH (ex. `/usr/local/bin`)

<https://github.com/dahendel/docker-machine-driver-cloudstack/releases/latest>

Usage

```
docker-machine create -d cloudstack \  
--cloudstack-api-url CLOUDSTACK_API_URL \  
--cloudstack-api-key CLOUDSTACK_API_KEY \  
--cloudstack-secret-key CLOUDSTACK_SECRET_KEY \  
--cloudstack-template "Ubuntu Server 14.04" \  
--cloudstack-zone "zone01" \  
--cloudstack-service-offering "Small" \  
--cloudstack-expunge \  
docker-machine
```

Acknowledgement

The driver is originally written by [@svanharmelen](#), [@atsaki](#) and [@andrestc](#).