Ik ben gestart met de files van sysadmin. Als eerste heb ik de ubuntu versies moeten veranderen naar trusty32, heb de vorige keer ondervonden dat de 64 versie om een bizarre reden niet wil werken.

```
# Defines our Vagrant environment
#
# -*- mode: ruby -*-
# vi: set ft=ruby :

Vagrant.configure("2") do |config|

  # create mgmt node
  config.vm.define :mgmt do |mgmt_config|
      mgmt_config.vm.box = "ubuntu/trusty32"
      mgmt_config.vm.hostname = "mgmt"
      mgmt_config.vm.network :private_network, ip: "10.0.15.10"
      mgmt_config.vm.provider "virtualbox" do |vb|
        vb.memory = "256"
      end
      mgmt_config.vm.provision :shell, path: "bootstrap-mgmt.sh"
  end

  # create load balancer
  config.vm.define :lb do |lb_config|
      lb_config.vm.box = "ubuntu/trusty32"
      lb_config.vm.hostname = "lb"
      lb_config.vm.network :private_network, ip: "10.0.15.11"
      lb_config.vm.network "forwarded_port", guest: 80, host: 10000
      lb_config.vm.provider "virtualbox" do |vb|
        vb.memory = "256"
      end
  end

  # create some web servers
  # https://docs.vagrantup.com/v2/vagrantfile/tips.html
  (1..2).each do |i|
    config.vm.define "web#{i}" do |node|
        node.vm.box = "ubuntu/trusty32"
        node.vm.hostname = "web#{i}"
        node.vm.network :private_network, ip: "10.0.15.2#{i}"
        node.vm.network "forwarded_port", guest: 80, host: "1000#{i}"
        node.vm.provider "virtualbox" do |vb|
          vb.memory = "256"
        end
    end
  end

end
```

Noot: trusty64 -> trusty 32 & poort aangepast naar 10000.

EDIT: **host verandert naar 1230** (blijkbaar al een andere app op 10000)

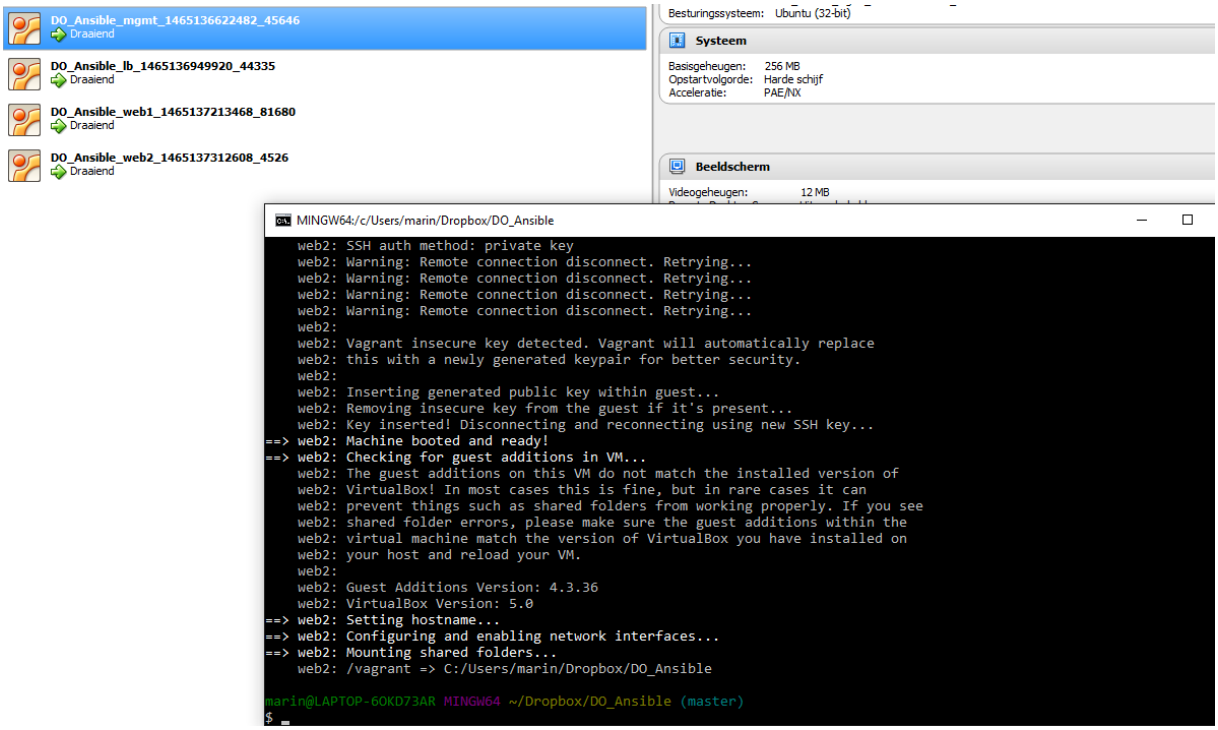
We laten hiermee 4 servers starten, een managementserver voor ansible, een load balancer met HAProxy en 2 webservers.

```
Vagrant cannot forward the specified ports on this VM, since they
would collide with some other application that is already listening
on these ports. The forwarded port to 10000 is already in use
on the host machine.

To fix this, modify your current project's Vagrantfile to use another
port. Example, where '1234' would be replaced by a unique host port:

  config.vm.network :forwarded_port, guest: 80, host: 1234

Sometimes, Vagrant will attempt to auto-correct this for you. In this
case, Vagrant was unable to. This is usually because the guest machine
is in a state which doesn't allow modifying port forwarding.

marin@LAPTOP-6OKD73AR MINGW64 ~/Dropbox/DO_Ansible (master)
$ _
```

Volgende stap: Vagrant up

```
marin@LAPTOP-6OKD73AR MINGW64 ~/Dropbox/DO_Ansible (master)
$ vagrant up
Bringing machine 'mgmt' up with 'virtualbox' provider...
Bringing machine 'lb' up with 'virtualbox' provider...
Bringing machine 'web1' up with 'virtualbox' provider...
Bringing machine 'web2' up with 'virtualbox' provider...
==> mgmt: Importing base box 'ubuntu/trusty32'...
==> mgmt: Matching MAC address for NAT networking...
==> mgmt: Checking if box 'ubuntu/trusty32' is up to date...
==> mgmt: A newer version of the box 'ubuntu/trusty32' is available! You currently
==> mgmt: have version '20160518.0.0'. The latest is version '20160601.0.0'. Run
==> mgmt: `vagrant box update` to update.
==> mgmt: Setting the name of the VM: DO_Ansible_mgmt_1465136622482_45646
==> mgmt: Clearing any previously set forwarded ports...
==> mgmt: Clearing any previously set network interfaces...
==> mgmt: Preparing network interfaces based on configuration...
    mgmt: Adapter 1: nat
    mgmt: Adapter 2: hostonly
==> mgmt: Forwarding ports...
    mgmt: 22 (guest) => 2222 (host) (adapter 1)
==> mgmt: Running 'pre-boot' VM customizations...
==> mgmt: Booting VM...
==> mgmt: Waiting for machine to boot. This may take a few minutes...
    mgmt: SSH address: 127.0.0.1:2222
    mgmt: SSH username: vagrant
```

Als alles slaagt dan zien we de servers verschijnen




```
$ vagrant status
Current machine states:

mgmt                      running (virtualbox)
lb                        running (virtualbox)
web1                      running (virtualbox)
web2                      running (virtualbox)

This environment represents multiple VMs. The VMs are all listed
above with their current state. For more information about a specific
VM, run `vagrant status NAME`.
```

Next up: Vagrant ssh mgmt!

```
marin@LAPTOP-6OKD73AR MINGW64 ~/Dropbox/DO_Ansible (master)
$ vagrant ssh mgmt
Welcome to Ubuntu 14.04.4 LTS (GNU/Linux 3.13.0-86-generic i686)

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

 System information disabled due to load higher than 1.0

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

0 packages can be updated.
0 updates are security updates.
```

SSH-keys aanmaken + opslaan naar hostsfile

```
vagrant@mgmt:~$ ssh-keygen -t rsa -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/home/vagrant/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/vagrant/.ssh/id_rsa.
Your public key has been saved in /home/vagrant/.ssh/id_rsa.pub.
The key fingerprint is:
ae:0c:12:66:a4:48:0d:97:96:7a:7c:db:4c:58:7c:4d vagrant@mgmt
The key's randomart image is:
+--[ RSA 2048]----+
| . .o .   oE     |
|  ++   o . .     |
| .=.  o .        |
|o+ o o .         |
|o = . = S        |
| o . . +         |
|  . .   .        |
|   . o .         |
|      o          |
+-----------------+
vagrant@mgmt:~$
```

web2: virtual machine match the version of virtualbox you have installed on

```
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/vagrant/.ssh/id_rsa.
Your public key has been saved in /home/vagrant/.ssh/id_rsa.pub.
The key fingerprint is:
ae:0c:12:66:a4:48:0d:97:96:7a:7c:db:4c:58:7c:4d vagrant@mgmt
The key's randomart image is:
+--[ RSA 2048]----+
| . .o .   oE     |
|  ++   o . .     |
| .=.  o .        |
|o+ o o .         |
|o = . = S        |
| o . . +         |
|  . .   .        |
|   . o .         |
|      o          |
+-----------------+
vagrant@mgmt:~$ ssh-keyscan web1 web2 lb >> .ssh/kwon_hosts
# lb SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# web2 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# web2 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# lb SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
read (web1): No route to host
read (web1): No route to host
vagrant@mgmt:~$ ssh-keyscan web1 web2 lb >> .ssh/known_hosts
# web2 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# web2 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# lb SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# lb SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
```

Playbook runnen

We slaan de ssh-key op van mgmt

```
vagrant@mgmt:~$ ansible-playbook e45-ssh-addkey.yml --ask-pass
SSH password:
[DEPRECATION WARNING]: Instead of sudo/sudo_user, use become/become_user and make sure become_method is 'sudo'
(default).
This feature will be removed in a future release. Deprecation warnings can be disabled by setting
deprecation_warnings=False in ansible.cfg.

PLAY [all] ********************************************************************

TASK [install ssh key] ********************************************************
fatal: [web1]: UNREACHABLE! => {"changed": false, "msg": "Failed to connect to the host via ssh.", "unreachable": true}
changed: [web2]
changed: [lb]
        to retry, use: --limit @e45-ssh-addkey.retry

PLAY RECAP ********************************************************************
lb                         : ok=1    changed=1    unreachable=0    failed=0
web1                       : ok=0    changed=0    unreachable=1    failed=0
web2                       : ok=1    changed=1    unreachable=0    failed=0
```

Nu volledig:

```
vagrant@mgmt:~$ ssh-keyscan web1 web2 lb >> .ssh/known_hosts
# web1 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# web2 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# web1 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# web2 SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# lb SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
# lb SSH-2.0-OpenSSH_6.6.1p1 Ubuntu-2ubuntu2.7
vagrant@mgmt:~$ ansible-playbook e45-ssh-addkey.yml --ask-pass
SSH password:
[DEPRECATION WARNING]: Instead of sudo/sudo_user, use become/become_user and make sure become_method i
(default).
This feature will be removed in a future release. Deprecation warnings can be disabled by setting
deprecation_warnings=False in ansible.cfg.

PLAY [all] ********************************************************************

TASK [install ssh key] ********************************************************
changed: [web1]
changed: [lb]
changed: [web2]

PLAY RECAP ********************************************************************
lb                         : ok=1    changed=1    unreachable=0    failed=0
web1                       : ok=1    changed=1    unreachable=0    failed=0
web2                       : ok=1    changed=1    unreachable=0    failed=0

vagrant@mgmt:~$
```

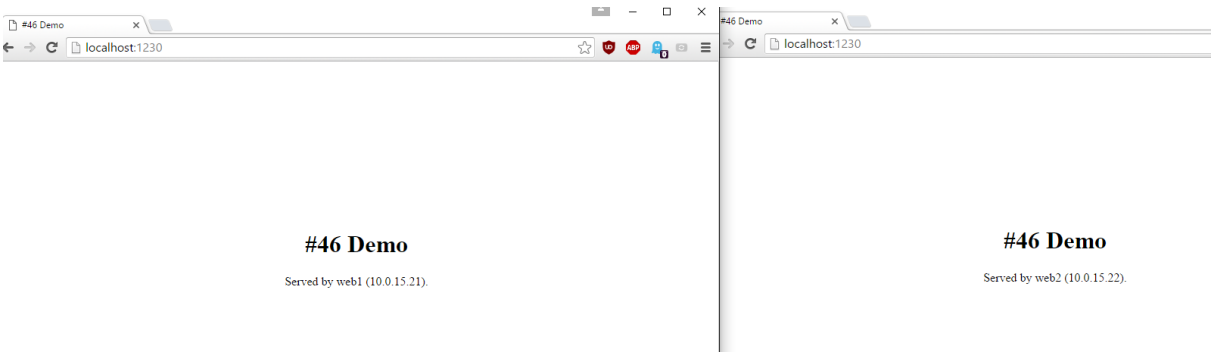
PING PONG

```
vagrant@mgmt:~$ ansible all -m ping
web1 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
web2 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
lb | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
vagrant@mgmt:~$
```

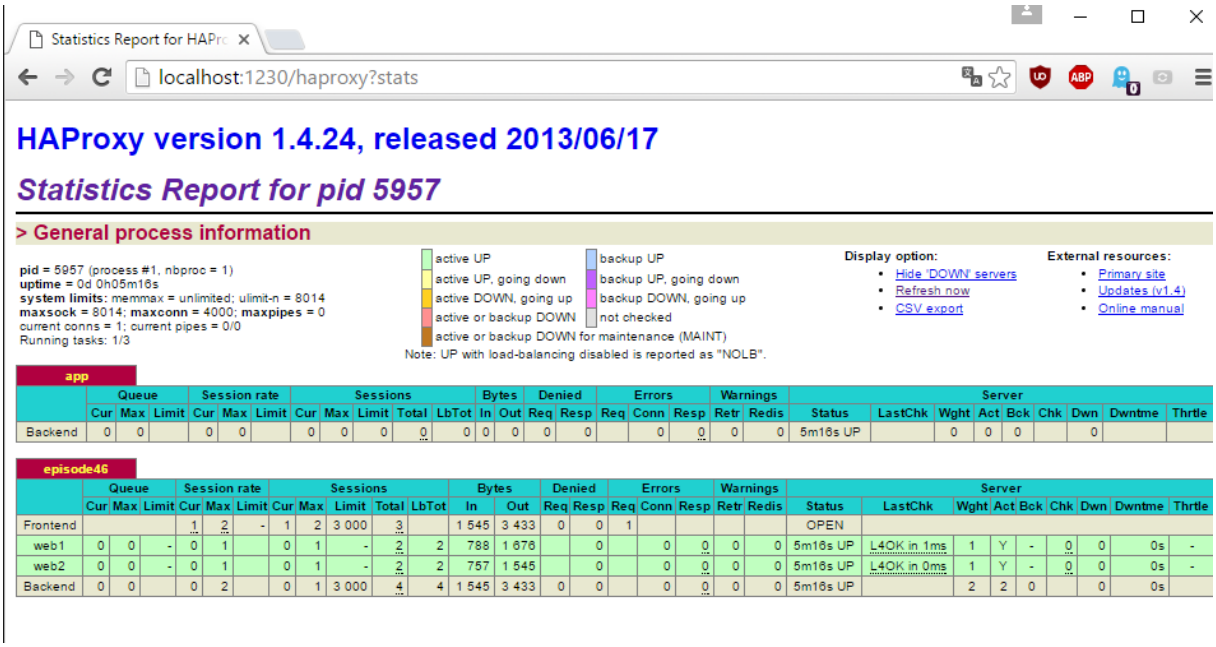
HAPROXY instellen

```
vagrant@mgmt:~$ ansible-playbook e46-site.yml
[DEPRECATION WARNING]: Instead of sudo/sudo_user, use become/become_user and make su
(default).
This feature will be removed in a future release. Deprecation warnings can be disabl
deprecation_warnings=False in ansible.cfg.

PLAY [all] *********************************************************************

TASK [install git] *************************************************************

changed: [web1]
changed: [web2]
changed: [lb]

PLAY [web] *********************************************************************

TASK [setup] *******************************************************************
ok: [web1]
ok: [web2]

TASK [install nginx] ***********************************************************
changed: [web1]
changed: [web2]

TASK [write our nginx.conf] ****************************************************
changed: [web2]
changed: [web1]

TASK [write our /etc/nginx/sites-available/default] ****************************
changed: [web1]
changed: [web2]

TASK [deploy website content] **************************************************
changed: [web1]
changed: [web2]

RUNNING HANDLER [restart nginx] ************************************************
changed: [web2]
changed: [web1]

PLAY [lb] **********************************************************************

TASK [setup] *******************************************************************
ok: [lb]

TASK [install haproxy and socat] ***********************************************
changed: [lb] => (item=[u'haproxy', u'socat'])

TASK [enable haproxy] **********************************************************
changed: [lb]

TASK [deploy haproxy config] ***************************************************
changed: [lb]

RUNNING HANDLER [restart haproxy] **********************************************
changed: [lb]

PLAY RECAP *********************************************************************
lb                         : ok=6    changed=5    unreachable=0    failed=0
web1                       : ok=7    changed=6    unreachable=0    failed=0
web2                       : ok=7    changed=6    unreachable=0    failed=0

vagrant@mgmt:~$
```

Als men in 2 vensters naar localhost:1230 surft, kan men zien dat het door 2 aparte nodes wordt doorverbonden



HAPROXY STATS



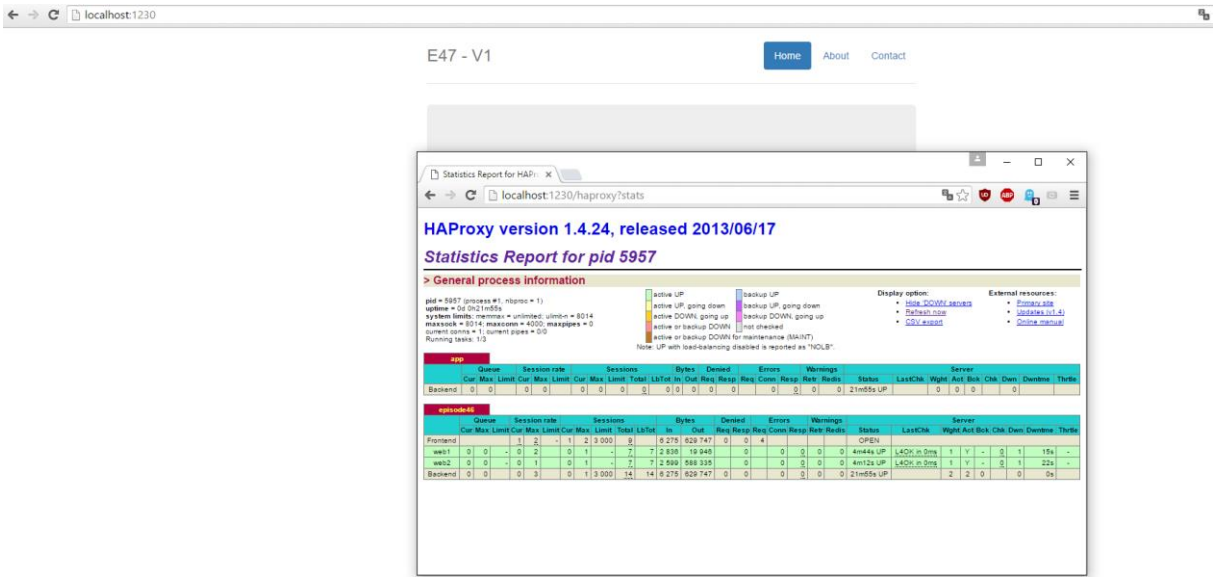
Rolling updates!

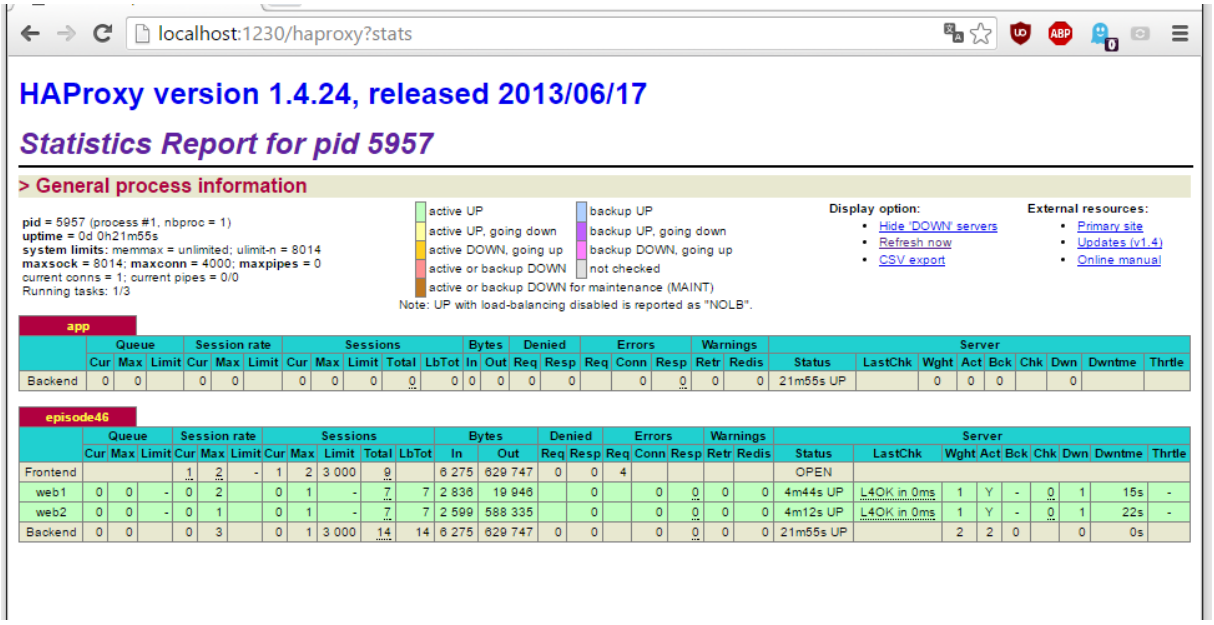
Een van de requirements van de opdracht is dat er zero down-time nodig is, de nodes zullen dus apart moeten geüpdatet worden.

Load balancer moet server uit de haproxy halen -> updaten-> terug toevoegen

```
vagrant@mgmt:~$ ansible-playbook e47-rolling.yml
[DEPRECATION WARNING]: Instead of sudo/sudo_user, use become/become_user and make sure become_method is 'sudo' (de
This feature will be removed in a future release. Deprecation warnings can be disabled by setting
deprecation_warnings=False in ansible.cfg.

PLAY [all] *********************************************************************

TASK [install git] *************************************************************
ok: [lb]
ok: [web2]
ok: [web1]

PLAY [web] *********************************************************************

TASK [setup] *******************************************************************
ok: [web1]
[DEPRECATION WARNING]: Using bare variables is deprecated. Update your playbooks so that the environment value use
This feature will be removed in a future release. Deprecation warnings can be
 disabled by setting deprecation_warnings=False in ansible.cfg.

TASK [disable server in haproxy] ***********************************************
changed: [web1 -> lb] => (item=lb)

TASK [install nginx] ***********************************************************
ok: [web1]

TASK [write our nginx.conf] ****************************************************
ok: [web1]

TASK [write our /etc/nginx/sites-available/default] ****************************
ok: [web1]

TASK [clean existing website content] ******************************************
changed: [web1]

TASK [deploy website content] **************************************************
changed: [web1]

TASK [enable server in haproxy] ************************************************
changed: [web1 -> lb] => (item=lb)

PLAY [web] *********************************************************************

TASK [setup] *******************************************************************
ok: [web2]

TASK [disable server in haproxy] ***********************************************
changed: [web2 -> lb] => (item=lb)

TASK [install nginx] ***********************************************************
ok: [web2]

TASK [write our nginx.conf] ****************************************************
ok: [web2]

TASK [write our /etc/nginx/sites-available/default] ****************************
ok: [web2]

TASK [clean existing website content] ******************************************
changed: [web2]
```

```
TASK [clean existing website content] ******************************************
changed: [web2]

TASK [deploy website content] **************************************************
changed: [web2]

TASK [enable server in haproxy] ************************************************
changed: [web2 -> lb] => (item=lb)

PLAY [lb] **********************************************************************

TASK [setup] *******************************************************************
ok: [lb]

TASK [Download and install haproxy and socat] **********************************
ok: [lb] => (item=[u'haproxy', u'socat'])

TASK [Enable HAProxy] **********************************************************
ok: [lb]

TASK [Configure the haproxy cnf file with hosts] *******************************
ok: [lb]

PLAY RECAP *********************************************************************
lb                         : ok=5    changed=0    unreachable=0    failed=0
web1                       : ok=9    changed=4    unreachable=0    failed=0
web2                       : ok=9    changed=4    unreachable=0    failed=0

vagrant@mgmt:~$
```





localhost:1230/haproxy?stats

HAProxy version 1.4.24, released 2013/06/17

Statistics Report for pid 5957

> General process information

pid = 5957 (process #1, nbproc = 1)
uptime = 0d 0h21m55s
system limits: memmax = unlimited; ulimit-n = 8014
maxsock = 8014; **maxconn** = 4000; **maxpipes** = 0
current conns = 1; current pipes = 0/0
Running tasks: 1/3

active UP
active UP, going down
active DOWN, going up
active or backup DOWN
backup UP
backup UP, going down
backup DOWN, going up
not checked
active or backup DOWN for maintenance (MAINT)
Note: UP with load-balancing disabled is reported as "NOLB".

Display option:
- Hide 'DOWN' servers
- Refresh now
- CSV export

External resources:
- Primary site
- Updates (v1.4)
- Online manual

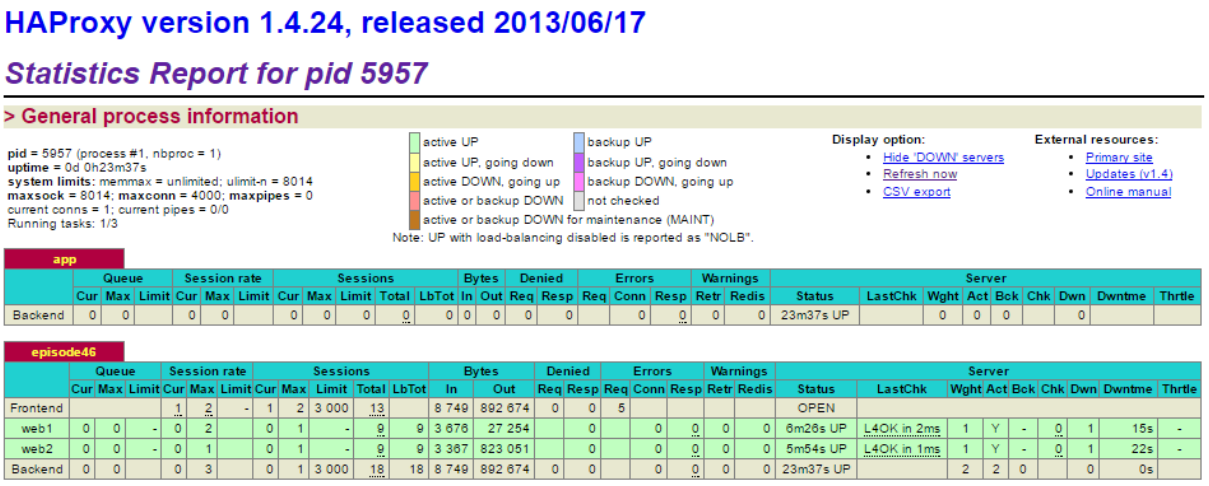
app

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Backend	0	0		0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	21m55s UP		0	0	0		0		

episode46

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Frontend				1	2	-	1	2	3 000	9		6 275	629 747	0	0	4					OPEN							
web1	0	0	-	0	2		0	1	-	7	7	2 836	19 946		0		0	0	0	0	4m44s UP	L4OK in 0ms	1	Y	-	0	1	15s	-
web2	0	0	-	0	1		0	1	-	7	7	2 599	588 335		0		0	0	0	0	4m12s UP	L4OK in 0ms	1	Y	-	0	1	22s	-
Backend	0	0		0	3		0	1	3 000	14	14	6 275	629 747	0	0		0	0	0	0	21m55s UP		2	2	0		0	0s	

Resultaat



HAProxy version 1.4.24, released 2013/06/17

Statistics Report for pid 5957

> General process information

pid = 5957 (process #1, nbproc = 1)
uptime = 0d 0h23m37s
system limits: memmax = unlimited; ulimit-n = 8014
maxsock = 8014; **maxconn** = 4000; **maxpipes** = 0
current conns = 1; current pipes = 0/0
Running tasks: 1/3

active UP
active UP, going down
active DOWN, going up
active or backup DOWN
backup UP
backup UP, going down
backup DOWN, going up
not checked
active or backup DOWN for maintenance (MAINT)
Note: UP with load-balancing disabled is reported as "NOLB".

Display option:
- Hide 'DOWN' servers
- Refresh now
- CSV export

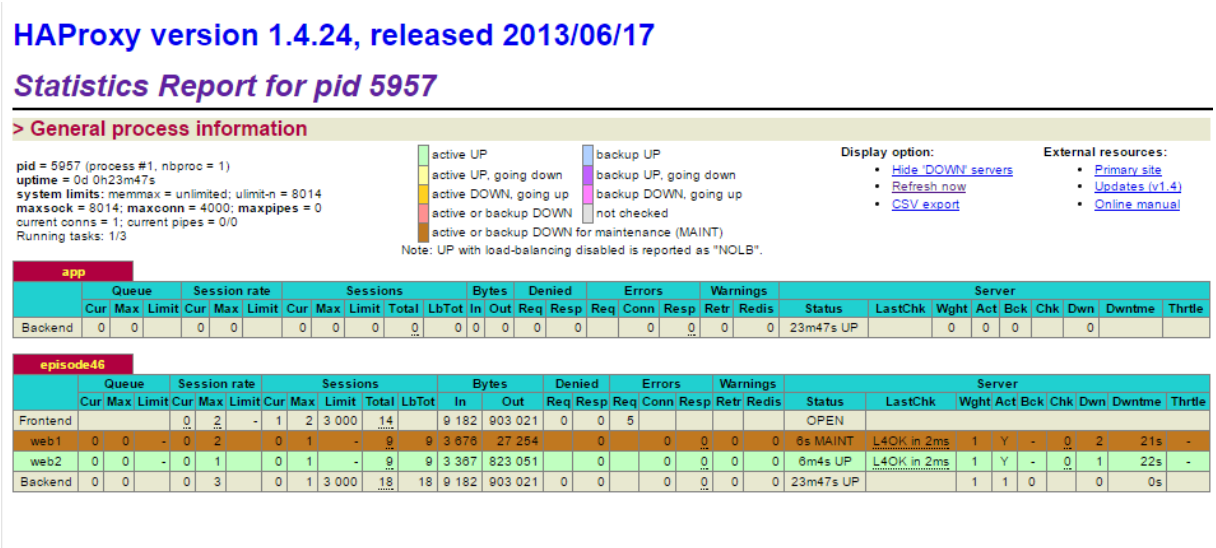
External resources:
- Primary site
- Updates (v1.4)
- Online manual

app

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Backend	0	0		0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	23m37s UP		0	0	0		0		

episode46

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Frontend				1	2	-	1	2	3 000	13		8 749	892 674	0	0	5					OPEN							
web1	0	0	-	0	2		0	1	-	9	9	3 676	27 254		0		0	0	0	0	6m26s UP	L4OK in 2ms	1	Y	-	0	1	15s	-
web2	0	0	-	0	1		0	1	-	9	9	3 367	823 051		0		0	0	0	0	5m54s UP	L4OK in 1ms	1	Y	-	0	1	22s	-
Backend	0	0		0	3		0	1	3 000	18	18	8 749	892 674	0	0		0	0	0	0	23m37s UP		2	2	0		0	0s	



HAProxy version 1.4.24, released 2013/06/17

Statistics Report for pid 5957

> General process information

pid = 5957 (process #1, nbproc = 1)
uptime = 0d 0h23m47s
system limits: memmax = unlimited; ulimit-n = 8014
maxsock = 8014; **maxconn** = 4000; **maxpipes** = 0
current conns = 1; current pipes = 0/0
Running tasks: 1/3

active UP
active UP, going down
active DOWN, going up
active or backup DOWN
backup UP
backup UP, going down
backup DOWN, going up
not checked
active or backup DOWN for maintenance (MAINT)
Note: UP with load-balancing disabled is reported as "NOLB".

Display option:
- Hide 'DOWN' servers
- Refresh now
- CSV export

External resources:
- Primary site
- Updates (v1.4)
- Online manual

app

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Backend	0	0		0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	23m47s UP		0	0	0		0		

episode46

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Frontend				0	2	-	1	2	3 000	14		9 182	903 021	0	0	5					OPEN							
web1	0	0	-	0	2		0	1	-	9	9	3 676	27 254		0		0	0	0	0	6s MAINT	L4OK in 2ms	1	Y	-	0	2	21s	-
web2	0	0	-	0	1		0	1	-	9	9	3 367	823 051		0		0	0	0	0	6m4s UP	L4OK in 2ms	1	Y	-	0	1	22s	-
Backend	0	0		0	3		0	1	3 000	18	18	9 182	903 021	0	0		0	0	0	0	23m47s UP		1	1	0		0	0s	

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Statistics Report for pid 5957

> General process information

pid = 5957 (process #1, nbproc = 1)
uptime = 0d 0h23m56s
system limits: memmax = unlimited; ulimit-n = 8014
maxsock = 8014; **maxconn** = 4000; **maxpipes** = 0
current conns = 1; current pipes = 0/0
Running tasks: 1/3

active UP
active UP, going down
active DOWN, going up
active or backup DOWN
backup UP
backup UP, going down
backup DOWN, going up
not checked
active or backup DOWN for maintenance (MAINT)
Note: UP with load-balancing disabled is reported as "NOLB".

Display option:
- Hide 'DOWN' servers
- Refresh now
- CSV export

External resources:
- Primary site
- Updates (v1.4)
- Online manual

app

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Backend	0	0		0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	23m56s UP		0	0	0		0		

episode46

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Frontend				1	2	-	1	2	3 000	15		9 615	913 368	0	0	5					OPEN								
web1	0	0	-	0	2		0	1	-	9	9	3 676	27 254		0		0	0	0	0	15s MAINT	L4OK in 2ms	1	Y	-	0	2	30s	-
web2	0	0	-	0	1		0	1	-	9	9	3 367	823 051		0		0	0	0	0	6m13s UP	L4OK in 0ms	1	Y	-	0	1	22s	-
Backend	0	0		0	3		0	1	3 000	18	18	9 615	913 368	0	0		0	0	0	0	23m56s UP		1	1	0		0	0s	

HAProxy version 1.4.24, released 2013/06/17

Statistics Report for pid 5957

> General process information

pid = 5957 (process #1, nbproc = 1)
uptime = 0d 0h24m07s
system limits: memmax = unlimited; ulimit-n = 8014
maxsock = 8014; **maxconn** = 4000; **maxpipes** = 0
current conns = 1; current pipes = 0/0
Running tasks: 1/3

active UP
active UP, going down
active DOWN, going up
active or backup DOWN
backup UP
backup UP, going down
backup DOWN, going up
not checked
active or backup DOWN for maintenance (MAINT)
Note: UP with load-balancing disabled is reported as "NOLB".

Display option:
- Hide 'DOWN' servers
- Refresh now
- CSV export

External resources:
- Primary site
- Updates (v1.4)
- Online manual

app

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Backend	0	0		0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	24m7s UP		0	0	0		0		

episode46

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Frontend				1	2	-	1	2	3 000	18		10 481	934 273	0	0	6					OPEN								
web1	0	0	-	0	2		0	1	-	9	9	3 676	27 254		0		0	0	0	0	5s UP	L4OK in 1ms	1	Y	-	0	2	36s	-
web2	0	0	-	0	1		0	1	-	9	9	3 367	823 051		0		0	0	0	0	6m24s UP	L4OK in 1ms	1	Y	-	0	1	22s	-
Backend	0	0		0	3		0	1	3 000	18	18	10 481	934 273	0	0		0	0	0	0	24m7s UP		2	2	0		0	0s	

HAProxy version 1.4.24, released 2013/06/17

Statistics Report for pid 5957

> General process information

pid = 5957 (process #1, nbproc = 1)
uptime = 0d 0h24m16s
system limits: memmax = unlimited; ulimit-n = 8014
maxsock = 8014; **maxconn** = 4000; **maxpipes** = 0
current conns = 1; current pipes = 0/0
Running tasks: 1/3

active UP
active UP, going down
active DOWN, going up
active or backup DOWN
backup UP
backup UP, going down
backup DOWN, going up
not checked
active or backup DOWN for maintenance (MAINT)
Note: UP with load-balancing disabled is reported as "NOLB".

Display option:
- Hide 'DOWN' servers
- Refresh now
- CSV export

External resources:
- Primary site
- Updates (v1.4)
- Online manual

app

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Backend	0	0		0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	24m16s UP		0	0	0		0		

episode46

	Queue			Session rate			Sessions					Bytes		Denied		Errors			Warnings		Server							
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwntme	Thrtle
Frontend				1	2	-	1	2	3 000	19		10 914	944 617	0	0	6					OPEN								
web1	0	0	-	0	2		0	1	-	9	9	3 676	27 254		0		0	0	0	0	14s UP	L4OK in 1ms	1	Y	-	0	2	36s	-
web2	0	0	-	0	1		0	1	-	9	9	3 367	823 051		0		0	0	0	0	2s MAINT	L4OK in 2ms	1	Y	-	0	2	24s	-
Backend	0	0		0	3		0	1	3 000	18	18	10 914	944 617	0	0		0	0	0	0	24m16s UP		1	1	0		0	0s	

HAProxy version 1.4.24, released 2013/06/17

Statistics Report for pid 5957

General process information

pid = 5957 (process #1, nbproc = 1)
uptime = 0d 0h27m52s
system limits: memmax = unlimited; ulimit-n = 8014
maxsocks = 8014; maxconn = 4000; maxpipes = 0
Lowest pipes = 0; lowest pipes = 0/0
Running tasks: 1/3

active UP	backup UP		
active UP, going down	backup UP, going down		
active DOWN, going up	backup DOWN, going up		
active or backup DOWN	not checked		
active or backup DOWN for maintenance (MAINT)			

Note: UP with load-balancing disabled is reported as "NOLB".

Display option:
- Hide DOWN servers
- Refresh now
- CSV export

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Sessions	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwnline
	Queue			Session rate			Sessions					Bytes		Denied			Errors		Warnings				Server					
Backend	0	0		0	0		0	0		0	0	0	0	0		0	0	0	0		27m52s UP		0	0	0		0	

	Queue			Session rate			Sessions					Bytes		Denied			Errors		Warnings				Server					
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	In	Out	Req	Resp	Req	Conn	Resp	Retr	Redis	Status	LastChk	Wght	Act	Bck	Chk	Dwn	Dwnline
Frontend				1	2	-	1	2	3 000	21		15 677	1 059 917	0	0	7					OPEN							
web1	0	0	-	0	2		0	1	-	9	9	2 676	27 224		0		0	0	0	0	3m52s UP	L4OK in 2ms	1	Y	-	0	2	3
web2	0	0	-	0	1		0	1	-	9	9	2 287	923 081		0		0	0	0	0	3m14s UP	L4OK in 2ms	1	Y	-	0	2	4
Backend	0	0		0	3		0	1	3 000	18	18	15 677	1 059 917	0	0		0	0	0	0	27m52s UP		2	2	0		0	