

WoozWorld IT



December, 2011

Objective: Run benchmarks on cloud providers

Environment:

Schedule:

Actions:

we ran UnixBench utility on all the servers to measure performance cpu.mem,io etc
we ran ab from haproxy-02 on cloud servers to measure network latency and speed.
we use Centos 5.7 or redhat 64bits version

Result:

we use as reference http-29, 16 cores, 12GB RAM (29)
Amazon EC2 Extra Large, 4 cores, 15GB RAM (EC2)
Peer1, ZuniCore, 4 Cores 8GB RAM (ZC)
SpeedyRails vps 4 cores,8Gb RAM (SR)

SYSTEM:

All benchmarks below were performed using UnixBench utility with 3 iterations

	System Benchmarks Index Score	
29	5463.7	100%
EC2	481.5	8%
ZC	1008.3	18%
SR	1227.0	22%

WoozWorld IT



NETWORK:

All benchmark were performed running ab the result is the transfer rate

	ab -n100000 -c500	ab -n1000 -c1000	
29	3128.29 [Kbytes/sec]	129.84 [Kbytes/sec]	100%
EC2	apr_socket_recv: Connection reset by peer (104)	apr_socket_recv: Connection reset by peer (104)	0
ZC	600.80 [Kbytes/sec]	15.34 [Kbytes/sec]	15%
SR	242.25 [Kbytes/sec]	137.61 [Kbytes/sec]	53%

STOGARE:

ran time dd if=/dev/zero of=/tmp/testfile bs=65536 count=28536

29	2.45793 seconds, 761 MB/s		100%
EC2	2.31694 s, 807 MB/s		106%
ZC	9.28742 seconds, 201 MB/s		26%
SR	2.49375 seconds, 750 MB/s		98%

Price:

	1 month	1 hour	
29(16cpu/12G)	\$560		100%
EC2	\$489		
ZC	\$311		
SR(8cpu/15G)	\$411		
Linode	\$639		
rackspace	\$754		

WoozWorld IT



There is more parameters we should analyse before make a decision.
support, SLA, maturity, historical downtimes, etc

References:

<http://lbs.sourceforge.net/>

<https://zunicore.com/>

<http://aws.amazon.com>

<http://www.speedyrails.com/>