

Ohlédnutí za rokem 2013 a plány na 2014

Počet členů na konci 2012: **380**

Počet členů 1. 2. 2014: **587**

+207 členů za 14 měsíců

Infrastruktura na konci 2012

~10x Core i7 24G
+ node8, node9

```
snajpa@snajpabook:~$ for node in $VPSFREE_NODES; do echo -en "$node "; ssh
$node cat /proc/cpuinfo | grep -i "model name" | head -n1; done
node1.brq.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630L v2 @ 2.40GHz
node2.brq.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630L v2 @ 2.40GHz
node1.prg.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz
node2.prg.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz
node3.prg.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz
node5.prg.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz
node6.prg.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz
node8.prg.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz
node9.prg.vpsfree.cz model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz
node1.pgnd.vpsfree.cz model name      : Intel(R) Xeon(R) CPU X3450 @ 2.67GHz
node2.pgnd.vpsfree.cz model name      : Intel(R) Xeon(R) CPU X3450 @ 2.67GHz
```

```
snajpa@snajpabook:~$ for node in $VPSFREE_NODES; do echo -en "$node "; ssh
$node free -m | awk '/^Mem:/ { print $2; }'; done
node1.brq.vpsfree.cz 257929
node2.brq.vpsfree.cz 257929
node1.prg.vpsfree.cz 128772
node2.prg.vpsfree.cz 128773
node3.prg.vpsfree.cz 128772
node5.prg.vpsfree.cz 128905
node6.prg.vpsfree.cz 257929
node8.prg.vpsfree.cz 257934
node9.prg.vpsfree.cz 128773
node1.pgnd.vpsfree.cz 23970
node2.pgnd.vpsfree.cz 23970
```

```
[root@backuper.prg.vpsfree.cz]
```

```
~ # top | grep -P "^Memory"
```

```
Memory: 128G phys mem, 19G free mem, 16G total swap, 16G free swap
```

```
[root@backuper.prg.vpsfree.cz]
```

```
~ # zfs get compressratio storage
```

```
NAME          PROPERTY          VALUE  SOURCE
storage       compressratio     2.00x  -
```

```
[root@backuper.prg.vpsfree.cz]
```

```
~ # zpool iostat -v storage | grep -Pv "(c4t|\-\-\-\-)"
```

pool	capacity		operations		bandwidth	
	alloc	free	read	write	read	write
storage	42.3T	22.7T	314	229	1.32M	6.49M
raidz1	5.63T	2.50T	32	22	140K	733K
raidz1	5.81T	2.32T	29	23	130K	752K
raidz1	5.85T	2.27T	39	25	171K	766K
raidz1	5.36T	2.76T	45	32	195K	849K
raidz1	5.25T	2.87T	39	32	172K	870K
raidz1	5.27T	2.85T	35	30	152K	848K
raidz1	4.59T	3.54T	45	32	195K	921K
raidz1	4.53T	3.60T	46	30	200K	910K
logs	-	-	-	-	-	-
mirror	8.59M	63.5G	0	0	0	0
cache	-	-	-	-	-	-

Infrastruktur snapshot@2014-02-01

726 VPS

120 2.3+ GHz Xeon E5 cores w/ HT

1.75 TB DDR3 ECC RAM

27 TB HDD storage

4 TB SSD storage

42 TB backup storage

16 TB NAS storage

2x GE backbone (~1.7Gbps node to node max)

Infrastruktura todo@2014

256 GB RAM

2 TB rotační disky

InfiniBand

Routery pro Prahu

Posílení uplinku v Praze

4x GE || 2x 10GE (?)

wirespeed NIX, 30% SIX, 30% tranzit

Redundantní zálohování
replikace Praha \Leftrightarrow Brno || jinde?

NAS pro Brno

vpsAdmin.rewrite :rails4

Dynamic Resource Management

Private IPv4

ZFS Management

SSL HTTP API

vpsctl (vpsfree-guest-utils)

ZFS Async Replication (cross-node, cross-site)

ZFS Sync Replication (cross-node, IB)

Automatická fakturace

cat ~snajpa/vpsfree_wishlist

Kernel developer
ZFS developer
OpenVZ developer

DTrace + OpenVZ
Linux user quota in ZFS
QEMU-KVM in OpenVZ
SELinux in OpenVZ

...

Kde můžete pomoci

dnsAdmin.finalize => slave NS hosted @vpsfree
dnsAdmin + vpsAdmin integration
Zabbix + vpsAdmin integration
vpsfree-guest-utils pro vaše distro

Ruby + Rails + BIND/Zabbix + volný čas

Bezpečnostní problémy

otevřené rekurzivní DNS
neaktualizovaný systém
ručně kompilovaný software
webové aplikace
torrenty

SPAM (e-mail, www boti)
Bruteforce password cracking
DoS
DMCA (+ ostatní 'legal' shit)
PČR