

Open Infrastructure - Task #5940

Update ungleich DNS infrastructure v3

11/02/2018 04:22 PM - Nico Schottelius

Status:	Closed	Start date:	11/02/2018
Priority:	Normal	Due date:	11/16/2018
Assignee:	Nico Schottelius	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
PM Check date:			
Description			
Current setup:			
<ul style="list-style-type: none">• Authorative<ul style="list-style-type: none">◦ 1x server in place4 (bind) (dns5)◦ 2x VMs in place5 (nsd) (dns3,dns4)◦ 2x router in place5 (bind) (dns1,dns2)• Caching<ul style="list-style-type: none">◦ 2x router in place5 (bind)◦ 2x router in place6 (bind)			
New setup:			
<ul style="list-style-type: none">• Authorative<ul style="list-style-type: none">◦ 1x server in place4 (bind) (dns5)◦ 1x VM in place5 (bind) (new)◦ 1x VM in place6 (bind) (new)◦ 1x router in place5 (bind)<ul style="list-style-type: none">▪ use the VRRP IPv4 and IPv6◦ 1x router in place6 (bind)<ul style="list-style-type: none">▪ use the VRRP IPv4 and IPv6• Caching<ul style="list-style-type: none">◦ 2x router in place5 (bind)◦ 2x router in place6 (bind)• Documentation<ul style="list-style-type: none">◦ As both routers (router1 && router2) will function as the authoritative server, both need to be reconfigured every time<ul style="list-style-type: none">▪ Likely cdist config dns-auth{1..7}.ungleich.ch▪ In the nameserver sets it will be only dns{1..5}.ungleich.ch◦ Documentation on how to update our DNS servers should be in the wiki			

History

#1 - 11/02/2018 04:26 PM - Nico Schottelius

- Description updated

#3 - 11/06/2018 05:42 PM - Nico Schottelius

- Status changed from New to In Progress

- Assignee changed from Jin-Guk Kwon to Nico Schottelius

Taking to me as some servers don't respond correctly && we should update this

#4 - 11/06/2018 05:51 PM - Nico Schottelius

- Introducing d1-5.ungleich.ch as internal names to be used

```
; DNS names internally / for cdist
d1          CNAME router1.place5
d2          CNAME router2.place5
d3          CNAME router1.place6
d4          CNAME router2.place6
```

d5 CNAME server1.place4

Using cdist:

```
[17:51] line:~% echo __ungleich_dns_server --server-variant bind9 | cdist config -p5 -bj5 -vvc ~/vcs/ungleich-dot-cdist/ dns{1..5}.ungleich.ch
```

#5 - 11/06/2018 06:17 PM - Nico Schottelius

- Updated glue records for dns{1..3}

#6 - 11/06/2018 07:42 PM - Nico Schottelius

- Status changed from In Progress to Closed

Done including documentation.

```
[19:41] line:~% dig ungleich.ch ns
```

```
; <<>> DiG 9.10.3-P4-Debian <<>> ungleich.ch ns
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 48955
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 7
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;ungleich.ch.          IN      NS
```

```
;; ANSWER SECTION:
ungleich.ch.          60      IN      NS      dns3.ungleich.ch.
ungleich.ch.          60      IN      NS      dns2.ungleich.ch.
ungleich.ch.          60      IN      NS      dns1.ungleich.ch.
```

```
;; ADDITIONAL SECTION:
dns1.ungleich.ch.    60      IN      A       176.9.50.202
dns1.ungleich.ch.    60      IN      AAAA    2a01:4f8:150:7092::2
dns2.ungleich.ch.    60      IN      A       185.203.112.1
dns2.ungleich.ch.    60      IN      AAAA    2a0a:e5c0::1
dns3.ungleich.ch.    60      IN      A       185.203.114.1
dns3.ungleich.ch.    60      IN      AAAA    2a0a:e5c0:2:1::7
```

```
;; Query time: 0 msec
;; SERVER: 10.3.8.5#53(10.3.8.5)
;; WHEN: Tue Nov 06 19:41:30 CET 2018
;; MSG SIZE rcvd: 229
```

```
[19:41] line:~% dig ungleich.ch ns @8.8.8.8
```

```
; <<>> DiG 9.10.3-P4-Debian <<>> ungleich.ch ns @8.8.8.8
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 43630
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;ungleich.ch.          IN      NS
```

```
;; ANSWER SECTION:
ungleich.ch.          59      IN      NS      dns2.ungleich.ch.
ungleich.ch.          59      IN      NS      dns1.ungleich.ch.
ungleich.ch.          59      IN      NS      dns3.ungleich.ch.
```

```
;; Query time: 45 msec
;; SERVER: 8.8.8.8#53(8.8.8.8)
;; WHEN: Tue Nov 06 19:41:33 CET 2018
;; MSG SIZE rcvd: 97
```

```
[19:41] line:~%
```