



Adding Custom A Records to an Avi DNS Virtual Service

Avi Technical Reference (v17.2)

Copyright © 2018

Adding Custom A Records to an Avi DNS Virtual Service [view online](#)

Avi DNS can host manual static DNS entries. For a given FQDN, the user can configure an A, SRV, or CNAME record to be returned. This is accomplished via the Avi CLI as documented in this article.

The `configure virtualservice dns-vs` command shows there is already an existing static custom A record for FQDN `ggg.avi.local`.

```

: < configure virtualservice dns-vs
Updating an existing object. Currently, the object is:
+-----+
| Field          | Value                                     |
+-----+
| uuid           | virtualservice-bc7c7fc6-583e-4335-8d33-ec4670771a85 |
| name           | dns-vs                                   |
| ip_address     | 10.90.12.200                             |
| enabled        | True                                     |
| services[1]    |                                           |
| port           | 53                                       |
| enable_ssl     | False                                    |
| port_range_end | 53                                       |
| application_profile_ref | System-DNS                             |
| network_profile_ref | System-UDP-Per-Pkt                       |
| se_group_ref   | Default-Group                           |
| east_west_placement | False                                    |
| scaleout_ecmp  | False                                    |
| active_standby_se_tag | ACTIVE_STANDBY_SE_1                     |
| flow_label_type | NO_LABEL                                  |
| static_dns_records[1] |                                           |
| fqdn[1]        | ggg.avi.local                            |
| type           | DNS_RECORD_A                             |
| ip_address[1]  |                                           |
| ip_address     | 1.1.1.1                                  |
+-----+

```

Another similar custom A record can be added:

```

: virtualservice< static_dns_records
New object being created
: virtualservice:static_dns_records< fqdn abc.avi.local
: virtualservice:static_dns_records< ip_address
New object being created
: virtualservice:static_dns_records:ip_address< ip_address 11.11.11.11
: virtualservice:static_dns_records:ip_address< save
: virtualservice:static_dns_records< type dns_record_a
: virtualservice:static_dns_records< save

```

```
: virtualservice< save
<+-----+-----+
| Field | Value |
+-----+-----+
| uuid | virtualservice-bc7c7fc6-583e-4335-8d33-ec4670771a85 |
| name | dns-vs |
| ip_address | 10.90.12.200 |
| enabled | True |
| services[1] | |
|   port | 53 |
|   enable_ssl | False |
|   port_range_end | 53 |
| application_profile_ref | System-DNS |
| network_profile_ref | System-UDP-Per-Pkt |
| se_group_ref | Default-Group |
| east_west_placement | False |
| scaleout_ecmp | False |
| active_standby_se_tag | ACTIVE_STANDBY_SE_1 |
| flow_label_type | NO_LABEL |
| static_dns_records[1] | |
|   fqdn[1] | ggg.avi.local |
|   type | DNS_RECORD_A |
|   ip_address[1] | |
|     ip_address | 1.1.1.1 |
| static_dns_records[2] | |
|   fqdn[1] | abc.avi.local |
|   type | DNS_RECORD_A |
|   ip_address[1] | |
|     ip_address | 11.11.11.11 |
+-----+-----+
```

The above command sequence will create a static entry for the FQDN `abc.avi.local` on virtual service `dns-vs`. This can also be confirmed from the GUI under Applications -> Virtual Services -> DNS Records, as illustrated below.

Applications Dashboard **Virtual Services** Pools Pool Groups GSLB Services admin(admin)

Virtual Service: dns-vs 100

Analytics Logs Health Security Events Alerts **DNS Records** Average Values Displaying Past 6 Hours

Total Values

UDP Queries (/sec)	Errors (/sec)
0	0

FQDN	UDP Queries (/sec)	Errors (/sec)	Source	Service	Tenant
vs.avi.local	0	0	Virtual Service	vs	admin
www.vs.avi.local	0	0	Virtual Service	vs	admin
vs22.avi.local	0	0	Virtual Service	vs2	admin
ggg.avi.local	0	0	Static		admin
abc.avi.local	0	0	Static		admin
vs2.avi.local	0	0	Virtual Service	vs2	admin
gs1.avi.com	0	0	GSLB Service	gs1	admin