



# Adding Custom A Records to an Avi DNS Virtual Service

Avi Technical Reference (v20.1)

Copyright © 2020

## 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.

The screenshot displays the 'Virtual Service: dns-vs' page in the Avi Networks management console. The navigation bar includes 'Applications', 'Dashboard', 'Virtual Services', 'Pools', 'Pool Groups', and 'GSLB Services'. The user is logged in as 'admin(admin)'. The page shows a summary of 'Total Values' for 'UDP Queries (/sec)' and 'Errors (/sec)', both at 0. Below this is a table of DNS records with columns for FQDN, UDP Queries (/sec), Errors (/sec), Source, Service, and Tenant.

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

## Additional Information

- [How to Add an FQDN to an Existing Virtual Service that Uses an Auto-allocated IP](#)