



# GSLB Wildcard FQDNs

Avi Technical Reference (v18.1)

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## GSLB Wildcard FQDNs

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Typically, an Avi GSLB service has one FQDN configured. However, there are cases where multiple FQDNs may represent the same GSLB service. Accordingly, it is possible to refer to all those FQDNs collectively, and associate them with the same set of virtual services by turning the wildcard option on.

### Use Case 1 ? No Wildcard Used

Suppose `www.foo.com`, `www.foo.us`, `www.foo.biz` all refer to the same global application. It is possible to configure an Avi GSLB service by specifying such a list of dissimilar domains.

### Use Case 2 ? With Wildcard

Imagine that `*foo.com` is delegated to Avi. `*t1.test.finance.foo.com`, `t2.test.finance.foo.com`, `m1.test.finance.foo.com`, and so on all point to the same application - or frontend the same application. In this case, one could add a GSLB service for `test.finance.foo.com`, and enable the wildcard option to indicate that any FQDN matching `*.test.finance.foo.com` should go to the same set of applications.

### CLI Configuration of a Wildcard Domain

```
configure gslbservice gsvc-5
[admin:10-10-25-10]: > TAB
wildcard_match Enable wildcard match of FQDN: If an exact match is not found in the DNS table, the longest match is chosen
[admin:10-10-25-10]: gslbservice> wildcard_match
Overwriting the previously entered value for wildcard_match
[admin:10-10-25-10]: gslbservice> save
```

The above is supported only via the CLI.

Similarly, static DNS records may be identified by wildcard as well.

```
[admin:10-10-25-10]: virtualservice:static_dns_records>
wildcard_match Enable wild-card match of FQDN: If an exact match is not found in the DNS table, the longest match is chosen
[admin:10-10-25-10]: virtualservice:static_dns_records> save
```

Static records can be configured from the Avi UI as well. Navigate to the virtual service editor (for a DNS VS) and click on the Static DNS Records.