

WHAT IS CLAIMED IS:

1. A method for managing DNS queries comprising:

determining, at a service provider, whether DNS queries associated with an identifiable domain exceed a threshold number of DNS queries that can be processed by a service provider;

determining, at the service provider, whether to filter the one or more DNS queries based on the threshold number of DNS queries; and

causing, at the service provider, the selective filtering of at least one of the one or more DNS queries based on the determination, wherein the selective filtering of the at least one or more DNS queries corresponds to the selective filtering of DNS queries based on an assigned network addresses for the DNS server authoritative for the identified domain and.

~~2. The method as recited in Claim 1, wherein causing the filtering of at least one of the one or more DNS queries based on the determination~~ includes causing the filtering of at least one or more DNS queries received at the service provider and directed to one or more assigned network address subdivisions or zones available to the service provider based on access control lists.

~~32.~~ The method as recited in Claim 1, wherein causing the filtering of at least one of the one or more DNS queries based on the determination includes transmitting a request to filter one or more DNS queries for domains in which service provider DNS servers are authoritative.

~~43.~~ The method as recited in Claim 1 or Claim 2, wherein determining whether to filter the one or more DNS queries based on the associated set of DNS queries includes determining whether to filter based on a percentage of DNS queries allowed to be processed.

~~54.~~ The method as recited in any one of the preceding claims ~~Claim 1~~, wherein the range of available service provider network addresses corresponds to a plurality of network address zones such that each network address zone is defined according to a division of available network addresses for service provider DNS server components.

~~65.~~ The method as recited in any one of the preceding claims, ~~Claim 1~~ further comprising obtaining, at the service provider, at least a portion of the one or more DNS queries associated with the identifiable domain.

~~76.~~ The method as recited in any one of the preceding claims, ~~Claim 1~~ further comprising:
determining, at the service provider, whether DNS queries associated with a different identifiable domain exceed a threshold number of DNS queries that can be processed by a service provider; and

determining, by the service provider, not to filter the one or more DNS queries associated with a different identifiable domain, wherein the determination corresponds to a percentage of DNS queries allowed to be processed.

[87](#). The method as recited in [any one of the preceding claims](#)~~Claim 1~~, wherein causing the filtering of at least one of the one or more DNS queries based on the determination includes causing at least one of the one or more DNS queries to be answered by an alternative set of DNS servers.

[98](#). A system for DNS query processing comprising:

an interface component for obtaining registration information at a service provider for registering one or more content providers with the service provider, the registration corresponding to hosting at least of portion of request routing functionality associated with one or more resources provided by the content provider

a DNS query processing component operable to:

determine whether DNS queries associated with an identifiable domain exceed a threshold number of DNS queries that can be processed by a service provider;

determine whether to filter the one or more DNS queries based on the threshold number of DNS queries; and

cause the filtering of at least one of the one or more DNS queries based on the determination, [wherein the filtering of the at least one or more DNS queries corresponds to the selective filtering of DNS queries based on an assigned network address for the DNS server authoritative for the identified domain and includes causing the filtering of at least one or more DNS queries received at the service provider and directed to one or more assigned network address subdivisions or zones available to the service provider based on access control lists.](#)

[409](#). The system as recited in Claim [98](#), further comprising a network point of presence associated with the service provider, wherein the network point of presence includes a DNS server component that receives a DNS query from client computing devices, wherein the DNS server in the first network point of presence is operable to filter DNS queries based on access control lists.

[4410](#). The system as recited in [Claim 8 or](#) Claim 9, wherein the DNS query processing component selectively filters the DNS queries causing at least one of the one or more DNS queries to be answered by an alternative set of DNS servers.

[4211](#). The system as recited in Claim [4410](#), wherein the DNS query processing component causes at least one of the one or more DNS queries to be answered by an alternative set of DNS servers by forwarding the at least one of the one or more DNS queries to the alternative set of DNS servers.

[4312](#). The system as recited in [any one of](#) Claims [98 to 11](#), wherein the DNS query processing component determines whether to filter the one or more DNS queries based on the associated set of DNS queries based on a percentage of DNS queries allowed to be processed.

[4413](#). The system as recited in [any one of](#) Claims [98 to 12](#), wherein the range of available service provider network addresses corresponds to a plurality of network address zone such that each network address zone is defined according to a division of available network addresses for service provider DNS server components.

[4514](#). The system as recited in [any one of](#) Claims [98 to 12](#), wherein the DNS query processing component is further operable to:

- obtain one or more additional DNS queries, the additional DNS queries corresponding to the identifiable domain, wherein the DNS server component corresponds to a different assigned network from a range of available service provider network addresses;

- associate the one or more DNS queries with the identified set of DNS queries exceeding a threshold number of DNS queries that can be processed by a service provider;
- and

- determine not to filter the one or more DNS queries.