Domain Names Collisions Block List Policy

dotMawqe Names Collisions Block List Policy

Domain Names Collisions

A name collision occurs when an attempt to resolve a name that is used in a private name space (e.g., under a non-delegated Top Level Domain, or a *short, unqualified name*) results in a DNS query to the public DNS. For an analogy, consider calling for "Mary" in your office where you've assumed there's only one "Mary", and then calling out "Mary" in a shopping mall and expecting that "office Mary" will respond.

This manifests online, when users unknowingly access a name that has been delegated in the public DNS when the user's actual intent was to access a resource identified by the same name in a private network.

Circumstances like these, where the administrative boundaries of private and public namespaces overlap and name resolution yields unintended results, create name resolution uncertainty and should be avoided where possible.

ICANN and those involved in the continued stability and resiliency of the DNS are taking steps to identify where such collisions occur, what causes such occurrences, and how these causes can be mitigated.

For more detailed information on ICANN's actions and recommendations on domain name collisions[1].

Domain Names Collisions Effect

It is unlikely that domain name collisions will affect significant numbers of corporate network operators or Internet users. However, ICANN considers it essential that it does everything possible to minimize potential impact and to offer clear advice on dealing with the issue.

Private networks will consistently, stably, and reliably perform name resolution when they use Fully Qualified Domain Names (FQDNs) from the public DNS.

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[1] Reference : For more information on Domain Names Collision visit : https://www.icann.org/resources/pages/faqs-2013-12-06-en

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Measures to be taken by Private Networks Operators to Avoid Domain Names Collisions

ICANN's *Guide to Name Collision and Mitigation for IT Professionals* [PDF, 228 KB] recommends that every organization that is not already using FQDNs from the public DNS should consider the following strategy:

- Monitor name services, compile a list of private TLDs or short unqualified names you use internally, and compare the list you create against the list of new TLD strings

- Formulate a plan to mitigate causes of leakage; for example, you may need to change the root of your private name space to use a name you have registered in the global DNS, or change affected systems over to use FQDNs

- Prepare users for the impending change in name usage by notifying them in advance or providing training

- Implement a plan to mitigate the potential collision

Continue to monitor old private name usage as well as new FQDN usage at name servers and along your network perimeter, and use these data to mitigate any causes you may discover once you've begun mitigating leaks.

dotMawqe Domain Names Collisions

Domain Names in the Second Level Domains "SLD" block list, also known as the "Names Collision list" for dotMawqe will not be allocated in the Sunrise and Claims period and will be unavailable for registration. In the event that the SLD block list is modified or changed, and the names are deemed eligible for allocation from the SLD block list, dotMawqe will provide notice on its website announcing the updated process to register these names.