

Infoblox DNS Scavenging

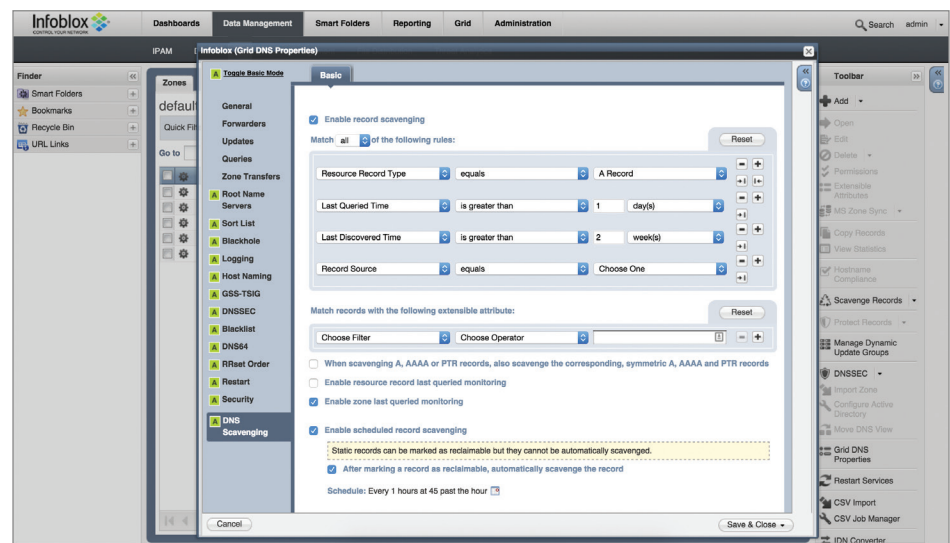


Key Features & Benefits

- Cleanup and removal of stale DNS resource records in hybrid Infoblox and Microsoft environments, reducing operational overhead and improving DNS server responsiveness
- Extension of existing scavenging capability (such as Microsoft Scavenging) to include multiple out-of-the-box criteria, including last date queried, last date discovered, type of DNS records, and other customizable attributes
- Easy recovery of erroneously scavenged records from the Infoblox Recycle bin
- Ability to run scavenging on a scheduled or ad-hoc basis as needed

Managing DNS Records in Today's Dynamic Environments is Time Consuming

In a perfect world, Domain Name System (DNS) scavenging would not be necessary, and DHCP servers would automatically clean up after themselves once an issued lease expires. But who lives in a perfect world? Complex hybrid enterprise networks often end up with duplicate records that reduce DNS server responsiveness and increase operational overhead.



DNS Scavenging Properties screen, which allows an administrator to create highly accurate multi-dimensional rules so that scavenging removes, or flags for removal, only records which are truly inactive

The Challenge

Infoblox DNS Scavenging is a feature that allows the cleanup and removal of stale resource records, which can accumulate in DNS zones over time with both dynamic and static DNS.

- **Dynamic DNS:** With dynamic updates, resource records are automatically added to zones when devices first connect to the network. In a pure Infoblox DNS/DHCP environment, when a DHCP lease expires, Infoblox deletes the DNS record automatically. However, in some Infoblox and Microsoft hybrid environments, this might not be the case.
- **Static DNS:** As services are decommissioned, system administrators often overlook the decommissioning of DNS records. Poor documentation in handoffs or employee turnover often also contribute to the accumulation of stale DNS records.

If left unmanaged, stale DNS resource records can result in:

- Accumulation in the DNS server, which degrades its performance and responsiveness
- Name-resolution problems for users on the network when DNS servers that load zones contain outdated information
- Increased operational overhead and increased risk of error due to DNS record clutter

Infoblox DNS Scavenging



Why Infoblox

- Infoblox DNS Scavenging offers administrators greater efficiency and reduced opportunity for errors in DNS cleanup.
- Infoblox DNS Scavenging offers greater flexibility and control by improving on Microsoft's scavenging capability with multiple criteria and customizable attributes.

The Infoblox Solution

Infoblox DNS Scavenging offers administrators greater flexibility and control of DNS cleanup, providing the following unique attributes:

- Dynamic DNS scavenging that allows administrators to set up a schedule to automatically delete old DNS records when the DHCP lease expires in an environment running both Infoblox DNS and Microsoft DHCP
- Extension of traditional scavenging capability by enabling the cleanup of static or dynamic DNS entries based on the following criteria:
 - The creation date of the DNS record
 - The date that the DNS record was last queried
 - The date the IP address was last seen on the network (using Infoblox Network Discovery)
 - Customizable extensible attributes unique to IT environments
 - Type of DNS records
- Easy recovery of erroneously scavenged records from the Infoblox recycle bin
- The ability to run scavenging on a scheduled or ad-hoc basis as needed

Conclusion

Infoblox DNS Scavenging enables automated, intelligent identification and removal of stale DNS information to optimize administration capabilities.

To learn more about Infoblox and Microsoft solutions, visit www.infoblox.com/solutions/infoblox-and-microsoft

About Infoblox

Infoblox delivers critical network services that protect Domain Name System (DNS) infrastructure, automate cloud deployments, and increase the reliability of enterprise and service provider networks around the world. As the industry leader in DNS, DHCP, and IP address management, the category known as DDI, Infoblox reduces the risk and complexity of networking.