infoblox® | **VendorN** DDI Security and Automation

IMPROVE DATA VISIBILITY WITH ENTERPRISE DNS LOGGING FROM INFOBLOX AND VENDORN VISION

SUMMARY

Infoblox NIOS and VendorN Vision work together in providing organizations with a current and unparalleled view of contextual DNS data and long-term access to enterprise DNS query history.

This combined solution makes enterprise DNS logging possible for many organizations for who DNS logging wasn't previously viable

CHALLENGE

Every part of an organization uses DNS and virtually all organizations need quick and easy access to long-term DNS history. DNS logs are a goldmine of rich contextual information that can identify who has attempted to connect with other domains and IP addresses and when. All aspects of a business, including operations, change management, and security, are impacted by DNS data and its relationships.

Organizations who attempt to log DNS queries quickly understand the challenges it presents. With an average enterprise seeing billions of DNS queries each day, activating DNS logging presents a potential massive performance impact to DNS services. Storage can also be expensive for searchable and redundant data. The dilemma of cost and data retention often leave organizations with an ineffective, slow, and costly solution and little realized value.

With so much DNS data to process and store, it's no wonder most organizations struggle to justify the high cost required to implement and operate an effective and performant solution.

SOLUTION

Infoblox NIOS provides reliable, secure, market-leading DNS, DHCP and IPAM (DDI) and value-added solutions for on-premises, private/hybrid, and public/multi-cloud environments. It delivers easy API integrations and visibility, automation, and control for the modern, agile enterprise.

VendorN Vision ingests and reshapes billions of DNS queries every day into a database created to store and query this data. With no restriction on the volume of data which can be processed, VendorN Vision makes enterprise DNS logging possible for all organizations. Using Infoblox NIOS and VendorN Vision together unlock unparalleled visibility into the devices using DNS and provide long term access to enterprise DNS query history.

USE CASES

DNS query logging addresses multiple networking use cases:

- **Access Logging:** Gain visibility into what domains a single client queries, or all clients that query for a specific domain. For example, if your security tools reveal a known malicious domain, which clients have or are querying it? Or, what has a specific client queried?

- **Security Forensics:** Use DNS query logging to identify botnets and infected users. For example, System X was compromised last week. Which other systems has it communicated with?

- **Granular Visibility:** Filter, sort and access current DNS data in configurable time increments with split-second accuracy.

- **Audit/Compliance:** Always have a record at your fingertips of which device requested which domains.

The integration of Infoblox with VendorN Vision provides multiple customer advantages:

- Enrich and reduce events sent to a SIEM: Customers can select what data to send to a SIEM, and whether to aggregate this data, reducing the number of events in some cases by up to 99.9 percent.

- Focus on what's new: See new devices, queries, domains and IPs identified using a customer's own data.

- Prioritize critical assets: Device groups allow prioritization of data and events for critical devices and networks.

- Accelerate detection: Identify and manage DNS-based vulnerabilities and reduce time to prove application impacting issues.

- Enhance compliance: Reduce time and effort to detect, identify and access non-compliant assets, and improve audit and compliance outcomes.

- Long-term retention: VendorN Vision is built around a custom database specifically designed for tracking DNS activity data and retaining it for years.

See the figure below for a high-level solution overview.
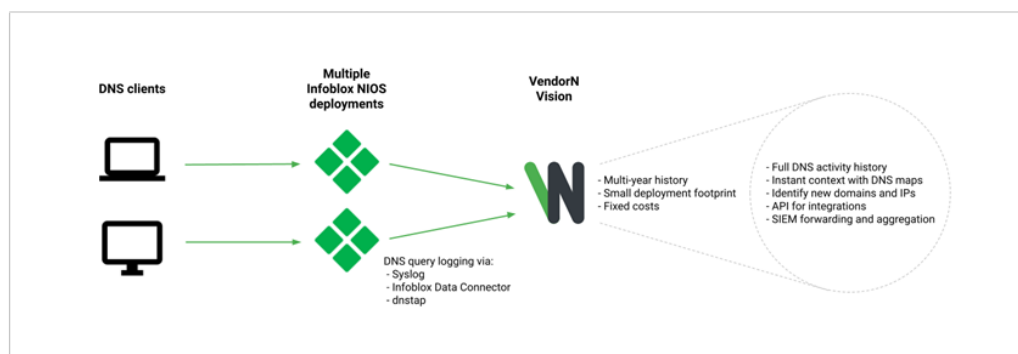
CONCLUSION

The integration of Infoblox NIOS with VendorN Vision enables enterprise DNS logging for organizations in a cost-effective way while also maintaining long-term retention. This integration provides an unparalleled view into contextual DNS data to improve network visibility, automation and control. By combining Infoblox with VendorN Vision, customers can understand contextual DNS data, see how it's related, who is using it and the risks associated with changing it.

About Infoblox

Infoblox unites networking and security to deliver unmatched performance and protection. Trusted by Fortune 100 companies and emerging innovators, we provide real-time visibility and control over who and what connects to your network, so your organization runs faster and stops threats earlier. For additional information, visit infoblox.com.

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About VendorN

VendorN provides innovative solutions for real world challenges in the DDI space with a focus on DDI security and automation. Established in 2020, VendorN is trusted by some of the UK's largest financial institutions and education providers. VendorN is on a mission to redefine the industry's approach to DNS logging and security. By pushing the boundaries and embracing innovation, it aims to transform the landscape, ensuring a safer and more secure digital environment for all. For additional information, visit vendorn.com.

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