



Chad Tester
COO

DOMINION VOICE AND DATA Protects SMBs From DNS Attacks

Leading Provider in Managed IT Services Shares Best Practices for Dealing with Data Attacks Through DNS

MIDLOTHIAN, VA – January 2019 - Dominion Voice and Data a leading managed technology services provider (MTSP), is helping small to mid-sized businesses (SMBs) protect themselves and their customers from DNS (Domain Name Server) attacks through innovative technology solutions. As businesses around the world continue to migrate to cloud-based technology, and the demand for these solutions continues, the risk of a DNS-based attack grows simultaneously, as well. Dominion Voice and Data is actively educating the business community and protecting SMBs from these threats.

Many businesses don't realize the potential dangers of this type of threat because of its abstract nature. Domain Name Servers (DNS) maintain a directory of domain names and translate them to Internet Protocol (IP) addresses. When hackers attack, they essentially overload websites with traffic, and then siphon traffic from the site the user was attempting to visit to a malicious one. Once the user arrives, they are subject to phishing attacks, malware installation and a whole host of other threats. Domain Name Servers are essentially the intersection between an Internet user and any business application they're attempting to reach. Having unsecured DNS settings is like

having an unsecured traffic system. If hackers can get inside and control which lights turn green and which turn red, imagine the traffic and accidents that could occur. This is essentially what is happening within unprotected networks.

"Most business owners are completely unaware of this threat and it's growing prevalence. We basically tell our customers that if they don't have DNS security measures in place, they don't have any security at all," stated Chad Tester, COO of Dominion Voice and Data. "If there's a site that is known to be malicious, the company simply must prevent access."

An oversimplified explanation of DNS security is that everyone uses the Internet and that DNS security services actively disables employees, vendors and customers from being able to visit sites that are known to have been contaminated or malicious in nature. This safeguards all stakeholders and keeps company reputations strong by preventing hackers from ever reaching the data they wish to misuse.

DNS attacks have even reached major players in today's business world. In fact, in 2016 there was a major DNS attack that shocked the world and captured everyone's attention regarding the power of the issue. The Guardian reported that the attack was "...bringing down sites including Twitter, the Guardian, Netflix, Reddit, CNN and many others in Europe and the US." The

Guardian also added, "The cause of the outage was a distributed denial of service (DDoS) attack, in which a network of computers infected with special malware, known as a 'botnet', are coordinated into bombarding a server with traffic until it collapses under the strain."

ABOUT DOMINION VOICE AND DATA

Dominion Voice and Data is Central Virginia's Leading Cloud-Based Managed Services Company. Our mission is to advance our client's business goals through delivery of superior technology solutions and world class support.

At Dominion, we are your trusted technology adviser and reliable business partner so that we can design you a solution that fits your business model.

Dominion Voice and Data is committed to maintaining the confidentiality of information that belong to our customers, especially Protected Health Information. To that end, we adhere to the requirements of the HIPAA Privacy Rule and the HIPAA Security Rule. We comply with all Business Associate obligations under HIPAA/HITECH, enabling Dominion Voice and Data to provide the highest level of services to our customers involved in the healthcare professions.