



Core Network Services (DDI)

Ensuring Resilience and
Efficiency in Modern Networks



Making the case

In the rapidly evolving IT landscape, organizations face mounting challenges in maintaining resilient, efficient, and secure network infrastructures. The growing complexity of networks, with an ever-increasing number of connected devices and a shift towards hybrid and multi-cloud environments, has elevated the importance of robust core network services. Managing DNS, DHCP, and IP Address Management (DDI) has become not just a necessity but a strategic imperative. However, the increased reliance on these services has made them a target for bad actors to try to exploit, especially in the case of DNS.

Core Network Services addresses these challenges head-on. In today's world, where downtime or security lapses can have significant financial and reputational repercussions, the ability to seamlessly connect all devices and applications across a business is critical. Ensuring reliable DNS management, dynamic IP address allocation, and comprehensive IP address management is no longer just about keeping the lights on; it's about driving business forward, safeguarding assets, and preparing for future growth. In addition, having the right DNS security can provide protection from Zero Day attacks and other web domain-based attacks.



Our approach

Teneo's DDI approach is in two parts: the first is designed to streamline and secure core network services amidst the complexities of modern IT environments. Our solution provides a harmonized management system for DNS, DHCP, and IPAM, effectively addressing the core challenges faced by businesses today.

- **DNS Management:** We ensure that your domain names are reliably translated into IP addresses, maintaining uninterrupted access to your online services and websites.
- **DHCP Services:** Our approach to DHCP includes automated, efficient IP address allocation, ensuring network scalability and adaptability.
- **IPAM Strategies:** With Teneo's DDI, your IP address space is meticulously managed, providing clear visibility, planning, and control over your network's IP resources.

In essence, our approach not only manages these critical services but optimizes them to support and drive business objectives, ensuring your network is a robust foundation for your organization's growth.

The second part focuses on understanding the DNS infrastructure used by bad actors and blocking connections to those domains before they can be used as part of an attack. With 33,000 new domains created every day, you need a technology that is focused on identifying and blocking the bad ones, before something on your network tries to call it. This is where our DNS security tools come in.

Key Benefits

- **Improved Efficiency:** Streamlined management of DNS, DHCP, and IPAM for reduced operational workload and enhanced network performance.
- **Enhanced Security:** Robust measures to protect against DNS-based threats, ensuring a secure online presence for your organization.
- **Scalable Network Solutions:** Adaptable to growing business and technological demands, ensuring your network infrastructure is future-proof.
- **Centralized Management:** Unified control and visibility over network services, enabling more coherent and compliant IT operations
- **Data-Driven Decision Making:** Leveraging analytics to optimize network performance and user experience.
- **Reduced Total Cost of Ownership:** Simplified operations and automated processes lead to significant cost savings.



StreamlineX

Core Network Services (DDI) is a key component of StreamlineX as it ensures that users get the best possible experience when connecting to their applications, while offering enhanced security, better visibility, and simplified network operations at a lower total cost of ownership.

Find out more about [StreamlineX](#).

Next steps

To get started with our Core Network Services (DDI) solution, contact us to schedule a discussion today at info@teneo.net.



Purpose Beyond Profit

In working with Teneo, you are helping to improve the lives of a million children around the world. [Learn more](#)

About Teneo

Most Network and Security teams are overworked so making progress is a challenge. We securely connect users to their applications by combining leading technology with expert guidance. You stay in control, simplify your operations and keep ahead of the game.

Find out more at www.teneo.net.

UK
Teneo Ltd
20/21 Theale Lakes
Business Park
Moulden Way, Sulhamstead
RG7 4GB

T: +44 118 983 8600
F: +44 118 983 8633

France
Teneo France S.A.S.
43 47, Avenue de la Grande
Armée 75116
Paris
France

T: +33 1 55 51 30 38

USA
Teneo Inc.
44679 Endicott Drive,
Suite #355,
Ashburn,
VA 20147

T: +1 703 212 3220
F: +1 703 996 1118

Australia
Teneo Australia Pty Ltd
Level 11, 64 York Street
Sydney
NSW 2000

T: +61 2 8038 5021
F: +61 2 9012 0683