

SOLUTION NOTE

State and Local Government IT



The Digital Transformation in State and Local Government IT

The pandemic has accelerated the requirement for work from anywhere access (WFA) and other modernization. Infoblox integration with important systems such as ServiceNow helps you reduce cost and increase efficiency. In addition, our solutions streamline deployment of digital services and extend secure support for remote workers while providing continuity of services and accelerating the move to the cloud.

Cyberthreat Activity Escalates

State and local governments have been hit hard by ransomware and other forms of cyberattack over the past two years, and this trend continues. The threats have also become more dangerous. In February of 2021, a city in the U.S. Southeast faced a targeted attack on its water supply. Cyberattackers allegedly attempted to poison the drinking water supply. They gained authentication credentials and were manipulating the system in an unsuccessful attempt to dump large quantities of lye into the water.

New technology initiatives using various Internet of Things (IoT) devices have created much more risk and exposure for your state or local government IT infrastructure. Most of the IoT installed within state and local governments today is poorly protected, if at all, creating significant potential for data breaches and damage to the public trust.

WFA environments continue to bring an increased risk for public sector IT infrastructure. WFA will continue, perhaps long after the pandemic, for non-essential functions. Organizations and technology supporting WFA continue to be re-engineered to meet new requirements more securely and at a lower cost.

“With more than 9,000 employees on our network, we realized our DNS infrastructure needed redundancy and automatic failover. DNS is a critical piece of network infrastructure and merits a dedicated appliance approach. Hennepin County chose Infoblox because it simplifies administration, improves security, and offered an easy migration path for existing data. Additionally, one of the biggest reasons was that it has a web-based management console. We really like the ability to easily update and manage the devices.”

Marciene Ingram,
Network Communications Security &
Internet Team Lead
Hennepin County Operations, Hennepin
County, Minnesota

State and Local Government IT Priorities

- **WFA:** Remote workers seek access to enterprise resources from a variety of endpoints, both work and personal, as well as mobile devices. This access requires safety, security and resilience.
- **Smart cities:** Digital communication and information technologies increase operational efficiency, improve the quality of government services and citizen welfare and share information with the public.
- **Citizen engagement:** Civic engagement includes citizens working together with the government to protect public values or make positive changes in the community.
- **Interagency collaboration and data sharing:** Collaboration reduces duplication and overlap of services and provides greater efficiency in using public resources. Sharing information is a key part of increased efficiency.
- **Cybersecurity:** To guard against cyberthreats and unauthorized access to data centers and other computerized systems, you need a secure DNS infrastructure for resilient government operations.
- **Improved operational efficiency:** For your government to achieve lower costs with greater efficiency, you require new opportunities to stretch tax dollars through more efficient operations.
- **Governance and compliance:** Public sector organizations need to meet regulatory requirements and improve policies and procedures to do so.
- **Business process optimization and automation:** New digital initiatives provide many opportunities to automate and improve business processes.

State and Local Government IT Technology-Based Initiatives

Public sector priorities, in turn, drive requirements for technology-based initiatives that require modernization and transformation; they include:

- **IoT-based devices:** Many IoT devices help state and local governments monitor use, identify locations precisely, improve efficiency and manage and audit processes. To support safe deployment, you need to address the devices' many security vulnerabilities.
- **Enhanced constituent services:** The modernization of digital services improves your government's delivery of constituent services.
- **Pro-active management and control:** Advanced systems, software and the use of smart IoT devices enable automated control of such processes as traffic lights and building HVAC, security systems, and more.
- **Energy efficiency:** IoT devices can improve the operations and energy efficiency of vehicle and fleet operations, water supply, road and bridge maintenance and repair cycles. Digital technology enhances the efficiency of electric grid, solar power and lighting systems.
- **Emergency services:** Digital technology provides essential communications, location-based data and enhanced visibility for support of emergency services. Drones, advanced surveillance systems and sound sensors supply critical information to respond rapidly through emergency services.

Infoblox for State and Local Government IT

Infoblox Benefits

Infoblox can help meet your modernization requirements for secure, resilient and flexible network core services and DNS security—including reaching 100 percent business continuity, preventing unplanned expenses related to breaches and protecting the public trust.

Our solutions help IT and SOC teams maintain important compliance over people, devices and the systems they use, improving operational efficiencies and driving deeper interdepartmental visibility and data integrity.

Infoblox Technology Solutions



DDI (DNS, DHCP & IPAM)

Deliver business-critical network services



Network Service & Protocol Delivery (DDI)

- Core Network Services
- Application Load Balancing (DTC)
- Reporting
- Configuration Management
- DoT/DoH



Security

Protect the organization in new threat landscape



Foundational Security Everywhere

- Visibility and discovery
- Detect and block malware, data exfiltration
- Threat Intelligence Optimization
- Security Automation and Orchestration, SOC efficiencies

Infoblox is the industry-leading provider of DNS, DHCP and IPAM (DDI) services, meeting the needs of any enterprise architecture, with appliance-based or SaaS-delivered solutions built for performance, scalability, security and reliability.

BloxOne® Threat Defense is Infoblox's hybrid security offering that strengthens and optimizes your security posture from the foundation up, using DNS as the first line of defense. It detects and blocks malware C&C and data exfiltration, and it leverages the data within DDI to enhance your entire cybersecurity ecosystem. BloxOne Threat Defense protects IoT devices and helps secure on-premises, cloud and hybrid environments and the WFA users who access them.



Infoblox is the leader in modern, cloud-first networking and security services. Through extensive integrations, its solutions empower organizations to realize the full advantages of cloud networking today, while maximizing their existing infrastructure investments. Infoblox has over 12,000 customers, including 70 percent of the Fortune 500.

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