Completing the Transition to Internet Protocol Version 6 (IPv6)
Has your Agency developed an IPv6 transition plan?

IPv6-only Highlights

- IPv6 is the next-generation Internet protocol, designed to replace version 4 (IPv4)
- Office of Management and Budget M-21-07 communicates the requirements for completing the operational deployment of IPv6 across all Federal information systems and services. Agencies shall:
  - Designate an agency wide IPv6 integrated project team or other governance structure, to effectively govern and enforce IPv6 efforts
  - Publicly make available, within 180 days of memorandum issuance, an agency-wide IPv6 policy, requiring that no later than FY2023, all new networked Federal information systems are IPv6-enabled at the time of deployment, and the agency's strategic intent to phase out the use of IPv4 for all systems
  - Complete at least one pilot of an IPv6-only operational system by the end of FY 2021
  - Develop an IPv6 implementation plan by the end of FY 2021 describing the agency's transition process and actions it will take to meet the milestones outlined in the memorandum

How to transition to IPv6

GSA provides access to contract vehicles, such as Enterprise Infrastructure Solutions (EIS), Multiple Award Schedule(MAS), and Government Wide Acquisition Contracts (GWACs), for transition support and integrated solutions. GSA can also assist Agencies with

- Supply Chain Risk Management
- Migration Planning and System Analysis
- IPv6 Test and Integration Services
- IPv6 Pilot Production Deployment
- IPv6 Full Production Deployment

Business Value

Achieve mission objectives while demonstrating your agency's commitment to IT modernization.

- Accelerate growth and innovation by expanding the use of IoT devices
- Introduce solutions with integrated cybersecurity
- Facilitate improvement in network operations through more efficient routing of data and better Quality of Service (QoS)
- Bolster mobility and security

Recommendations

Simplify your agency's transition to an IPv6-only environment by

- Leveraging Agency and industry best practices to determine impact and approach
- Following NIST guidance for USGv6 and the Secure Deployment of IPv6
- Selecting GSA tools, products, and services to help meet OMB deadlines