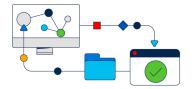
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Transitioning to IPv6 for Security, Efficiency, and Modernization

Native IPv6 is now the Internet Protocol (IP) standard for the US Federal Government to leverage the ability to increase security, decrease complexity, and facilitate innovation in support of each agency's mission or objectives.



IPv6 Opportunities

- Assess and build a strategy for network transformation to IPv6.
- Build an architecture and a plan to support IPv6.
- Better understand the impact of infrastructure migration and applications availability.



Use cases for native IPv6

- End State of having a native IPv6 network with IPv6-only devices / endpoints.
- End State of having a dual stack IPv4 and IPv6 network with both IPv4 and IPv6 devices and endpoints.
- New network architectures including IPv6 foundation capabilities.



Transformation activities

- Business discovery workshop.
- Readiness review and assessment of the deployment.
- Planning, architecture review, and continuous optimization of the platform.
- Testing and validation of solutions.
- Ongoing migration support / recommendations.
- Knowledge transfer sessions to enable engineering and operations staffs.



Federal Mandate

80% of IP-enabled assets on federal networks to be operating in IPv6-only environments by the end of fiscal 2025.

Outcomes

- Accelerate transformation to IPv6 to optimize the network.
- Reduce security-related risks and identify, escalate, and remediate issues.
- Meet industry and government IPv6 requirements.
- Achieve business and resource prioritization to enable customers' specific IPv6 strategy objectives.
- Reduce network optimization costs by rapidly identifying, planning, and executing migration to IPv6.

Public



How Cisco can help with your IPv6 strategy, planning, and transformation

Cisco Customer Experience (CX) provides the following services for better outcomes faster, with expert guidance and insights.



Strategy

Create a customized journey based on capabilities, current network environment, and future vision.

Activities:

- Strategy & analysis
- Readiness assessment
- Foundational training



Planning

Establish and validate a next generation architecture that leverages the capabilities and benefits of IPv6.

Activities:

- Design development
- Validation testing
- Migration planning



Transformation

Accelerate transformation by leveraging automation based on proven methodologies and best practices.

Activities:

- Pilot deployment & testing
- Migration support
- · Operations & optimization

Our differentiators

Cisco is an industry leader in IPv6, offering the widest range of platforms and features compared to other vendors. This gives us the capability to customize and integrate solutions sets to meet your specific needs.



Trusted and reliable partner for government

Cisco is a trusted partner of the Federal Government, providing industry-leading solutions for collaboration, networking, security, and IPv6 that deliver enhanced performance and security for mission success. Many of our solutions also meet the rigorous standards needed for FedRAMP Authorization.



Commitment to IPv6

All new Cisco development will be IPv6 ready and existing hardware and software solutions will be updated to support IPv6 end-to-end deployment across multiple domains including campus, data center, cloud, and Internet. We're also providing security, management, and monitoring tools the government needs to transition to IPv6 networks.



Wide range of IPv6 platforms and features

Cisco is an industry leader in Internet Protocol Version 6 (IPv6), offering the widest range of platforms and features compared to any other vendor. This gives us the capability to customize and integrate solutions sets to better meet the specific needs of our government customers.



Cisco expertise

We assemble the most highly trained and experienced talent, drawing from a global team of professionals that includes the highest degree of specialized IT skills and experiential competence. Each expert undergoes extensive specialized training. Cisco is consistently recognized as a Top 10 Military Friendly® Employer.



Partner ecosystem

With over 8,500 Cisco-approved partners, our partner ecosystem can provide your agency with the customized solutions you need to work seamlessly with your existing or planned infrastructure.

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Must reads

- Validated Solution: IPv6 Integration with Cisco SD-Access. SD-WAN, and Firepower
- Zero Trust at Scale: Case Study and Best Practices for Government

Get the IPv6 Journey Map



It's the IPv6 Customer Journey Map that public sector IT leaders across government are talking about. Includes timelines for strategy, planning, and transformation.

Download IPv6 Journey Map