



MODERNIZING FEDERAL NETWORKS FOR TODAY'S CHALLENGES

Agencies contend with:



Growing diversity and numbers of connected devices and systems



Data-intensive edge and internet of things (IoT) networks



Innovative technologies like AI, ML, and 5G

...all increasing network complexity and data transmission requirements.

Networks face relentless demands

Forty-four percent of respondents say their network hosts from 1,001 to 5,000 devices.

Federal professionals agree: It's time to modernize

In a recent survey of 150 federal government telecommunications decision-makers¹:

95%

experienced frustrations with their network

82%

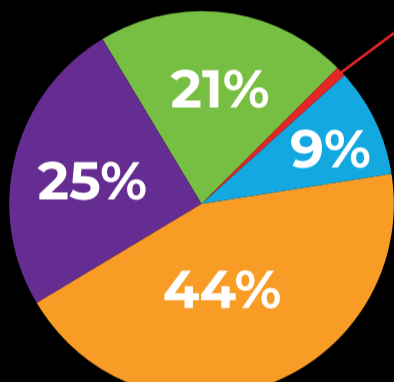
said their network impedes their ability to meet evolving mission demands

85%

said now is the time for network modernization

23%

said data at the edge is growing faster than they can handle



How many devices are currently on your network?

- Less than 500: 21%
- 500 to 1,000: 25%
- 1,001 to 5,000: 44%
- 5,001 to 10,000: 9%
- More than 10,000: 1%

Data growth is driving network modernization

To keep pace with these challenges, network modernization is top of mind.

Top drivers for modernization include:



37%

Data growth at the edge



33%

Cloud integration



33%

Quality of service

84%

84% believe a modern, agile network is crucial to their agency's ability to efficiently adapt to changing mission requirements and technologies.

50%

50% of respondents said network modernization is their number one IT priority, while an additional 45% called it a top priority.

What's limiting today's networks?

Current networks are holding agencies back. They contend with:

32%

Scalability limitations

30%

Security concerns

30%

Deploying new applications

29%

Difficulty integrating emerging technology

To tackle these challenges, agencies are embracing next-generation technology

To keep pace with these challenges, Federal telecommunications leaders said a variety of network modernization efforts are in progress. Top initiatives include:

51%

AI solutions



51%

5G network integration



48%

Network automation and/or optimization



46%

Network virtualization or software-defined networks



43%

IoT network expansion



41%

Single-pane-of-glass solution for network monitoring



39%

Multicloud management



Half of respondents said their agency has begun to implement AI at the edge.

32% plan to start deployment in the next two years.

Move your agency forward on its modernization journey today

Learn more:
Download the full research paper now

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¹"The Future of Connectivity: Federal Network Modernization," MeriTalk, 2024