

# Meeting IT Network and Application Modernization Challenges

IDG survey shows how a global pandemic is creating new urgency around modernization and a search for tools that can help.



The global pandemic is creating new urgency around modernization and a renewed search for tools that can help. A majority of companies are accelerating almost all modernization initiatives, with mobility, remote data access, automation, and security leading the way.

81%

have made at least some progress with modernization:

Achieved initial objectives and are optimizing

8%

Significant progress

28%

Moderate progress

28%

Some progress

16%

Either in the process of building a plan or have one but haven't made progress on it

15%

Haven't started

4%

Modernization was already on the radar pre-Covid, but now nearly all companies are on board. New realities are reflected in many of the top drivers for modernization initiatives:

58%

Increase efficiencies

54%

Improve user experiences

53%

Improve performance

46%

Increase business agility

51%

Increase revenue

Initiatives involving these technologies will be accelerated:



70%

Mobility



68%

Remote access to data and applications



65%

Automation



61%

Security improvement

Also, great urgency for:

IT resilience 59%

Public cloud deployment 58%

Scalability improvement 58%

Private cloud deployment 57%

Deployment velocity 56%

Obstacles to modernization:

37% each

Talent and skills gap tied with competing priorities for the top challenges

Other top challenges reflect difficulties with aging networks:

35%

Legacy infrastructure

33%

Organizational inflexibility

31%

Technical and operational debt

33%

Budgets

Lack of executive support

26%

Siloed or misaligned organizational structures

Budgets and lack of executive support were also issues for about one-third of respondents

Overcoming these obstacles is imperative, as 80% find it challenging to meet app delivery requirements with existing infrastructure: 35% say it's "very challenging"

Taking action:

Addressing network & app performance requirements

Companies are implementing or planning to implement modern stack solutions such as:

Network monitoring tools

96% implementing/plann to within 12mo.

Containers/microservices

90%

DevOps tools, CI/CD workflows

94%

Intelligent traffic management

87%

Public/private cloud, multi-cloud

94%

Multi-CDN

85%

Automation, orchestration, API-driven management

93%

DDI is playing an increasingly critical role, with:

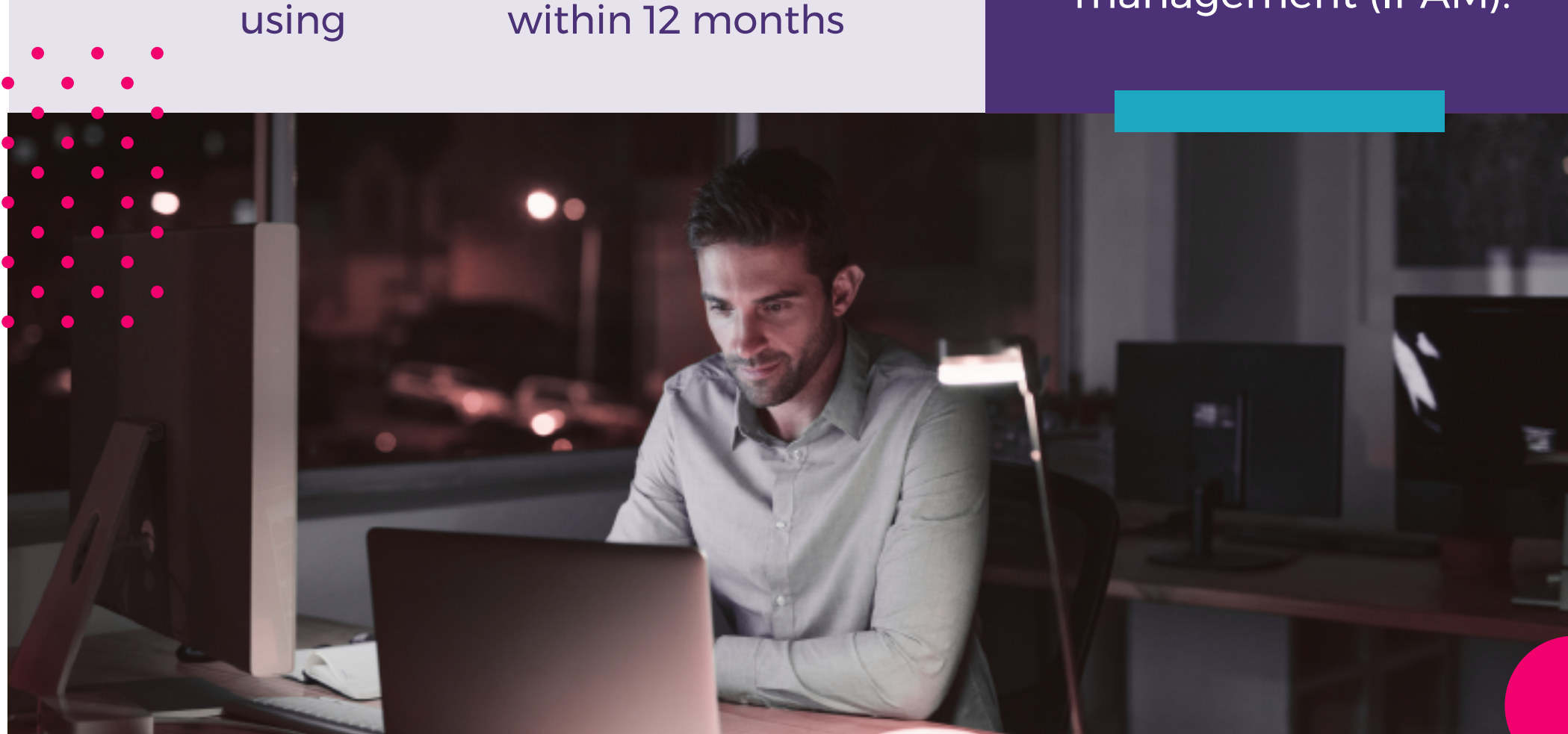
45%

Currently using

48%

Planning to within 12 months

DDI is a collective reference term that covers domain name system (DNS), dynamic host configuration protocol (DHCP), and IP address management (IPAM).



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