

The Business Value of

Cost of bandwidth and centralized

infrastructure can be prohibitive

Application Delivery Services at the Edg

IDC surveyed 802 IT and operations decision makers across North America, Europe,

68.1%

Security

56.6%

edge services.

ABOUT THIS INFOGRAPHIC

and Asia to learn how organizations are distributing innovative applications using

independent of centralized cloud or datacenter resources. **TOP 5 MOTIVATIONS**

Factors Driving Edge Adoption

Edge solutions are designed to acquire, analyze, and act on data

FOR DEPLOYING EDGE SOLUTIONS

(\$)

29.7%

27.4%

25.6%

Real-time

22.1%

60.2%

54.7%

45.9%

Product

performance

Agility

29.9%

73.0%

use a

fully managed

79.0%

29.7%

Security/data protection related to negative impact on operations/applications **Deterministic latency and**



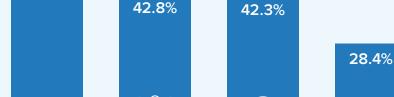
Focus on Edge **Application Delivery**

computing to support high-bandwidth applications and workloads, improve application performance, and support varying customer software development pipelines.

Edge application delivery solutions enable distributed

of organizations view 68.7% application delivery services as relevant to their organization's edge strategy.

> TOP CONSIDERATIONS FOR EDGE APPLICATION DELIVERY





ertormance

Note: % corresponds to number of respondents – multiple dichotomous table – total will not sum to 100%.

Capacity

Privacy



IN EDGE APPLICATION DELIVERY

Private cloud

Public cloud

Network and software-defined connectivity

Customer

satisfaction

41.5% Virtualization services (edge-hosted) **Application hosting** 38.7%

CDN edge compute (e.g., WAF, 36.5% botnet manager, API protection) **Content delivery network** 33.5% Note: % corresponds to number of respondents – multiple dichotomous table – total will not sum to 100%. **Edge Application Delivery Results in Tangible Improvements** Chief experience officers (CXOs) measure the success of edge

application delivery solutions across several strategic KPIs:

Cost



solutions mature, with improvements ranging from 27% to 30%.

9 in 10 businesses expect the edge to improve application delivery KPIs.

IMPROVEMENTS ORGANIZATIONS HAVE REALIZED OR EXPECT TO REALIZE FROM EDGE APPLICATION DELIVERY SOLUTIONS

Percentage of improvements: Realized Expected

28.1%

27.6%

19.1%

Lower

cost

54.0%

look to technology

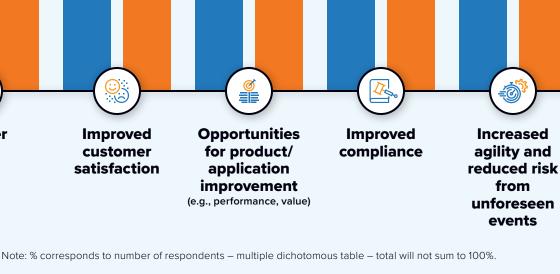
service providers

67.0%

Compliance

20.9% 20.6% 20.6% 19.7%

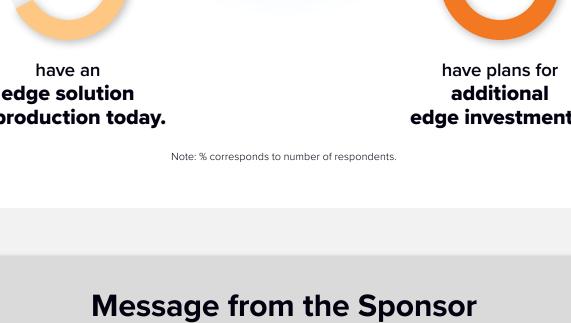
29.6%



Organizations Make

Edge Solutions a Priority

as the primary source or co-managed of edge solutions. edge solution.



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January 2021 | IDC Doc. US47177020 | This infographic was produced by:

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and workloads.

in production today. edge investments. Lumen is a technology company that enables organizations to benefit from emerging applications that power the Fourth Industrial Revolution. We provide the fastest, most secure platform for next-gen applications and data that integrates network infrastructure, cloud connectivity, edge computing, connected security, voice, collaboration, and enterprise-class services into an advanced application architecture. As data is dramatically shaping the future of all humankind, Lumen and Intel are working together to relentlessly unleash the potential of data, leading to more capable and efficient edge computing, and pervasive technologies across devices, systems,

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