The most cloud-mature organizations enjoy significant organizational performance benefits: 61 percent say their DevOps teams are highly integrated; 57 percent describe continuous delivery as automated and integrated; and 53 percent say their apps are built using microservices architecture.

Moving development and testing of applications to the cloud improves business innovation and competitiveness: 62 percent of organizations surveyed report improved innovation, while 56 percent say they are able to compete more effectively. Further gains come from better channel deployment (54 percent), faster development speed (51 percent), and faster release of code (50 percent).

Moving app development and testing to the cloud spurs innovation...

There are skills and organizational issues to overcome...

To realize such benefits, many organizations report they still need to overcome barriers to moving DevOps to the cloud. These include concerns about greater susceptibility to cyberattacks (32 percent), a lack of in-house skills (32 percent), and dependency on IT to improve access (29 percent).

...but businesses see the potential for further gains.

However, organizations that are able to overcome these barriers see multiple advantages in cloud-based DevOps. Key priorities for application development include developing multiple-form capabilities (cited by 43 percent), automation capabilities (41 percent), open databases (38 percent), and APIs and microservices (36 percent).

To learn more, download the key develop and deploy findings, or get the full report here.

Source: Cloud Insights survey, Longitude Research, August 2017