

Cloud-native software ushers in a new era of digital transformation

Cloud-native applications are designed to be deployed anywhere a container platform is available, whether in a public cloud, on-premises or at edge locations. Discover how a series of emerging trends are driving cloud-native forward, giving everyone from digital natives to large enterprises the technologies to drive rapid innovation.



01 Accelerating the pace of innovation with cloud

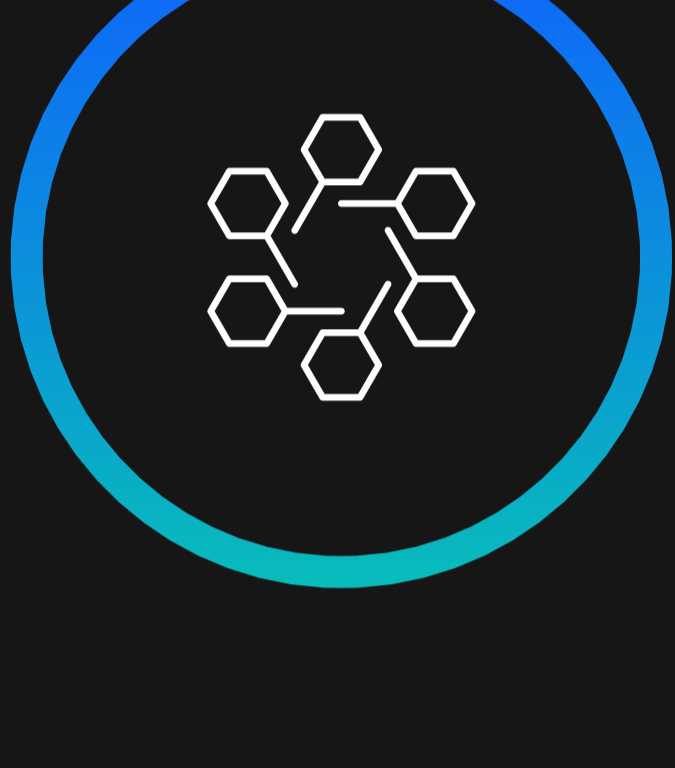
Public and hybrid clouds are being embraced as more than just an alternative to the data center. The speed and agility of the cloud is helping businesses keep pace with customer demand, as well as build and deliver innovative technologies and services.



87% of surveyed global software decision-makers at enterprises report that migrating existing apps to cloud platforms is at least a moderate software priority for their organization.¹

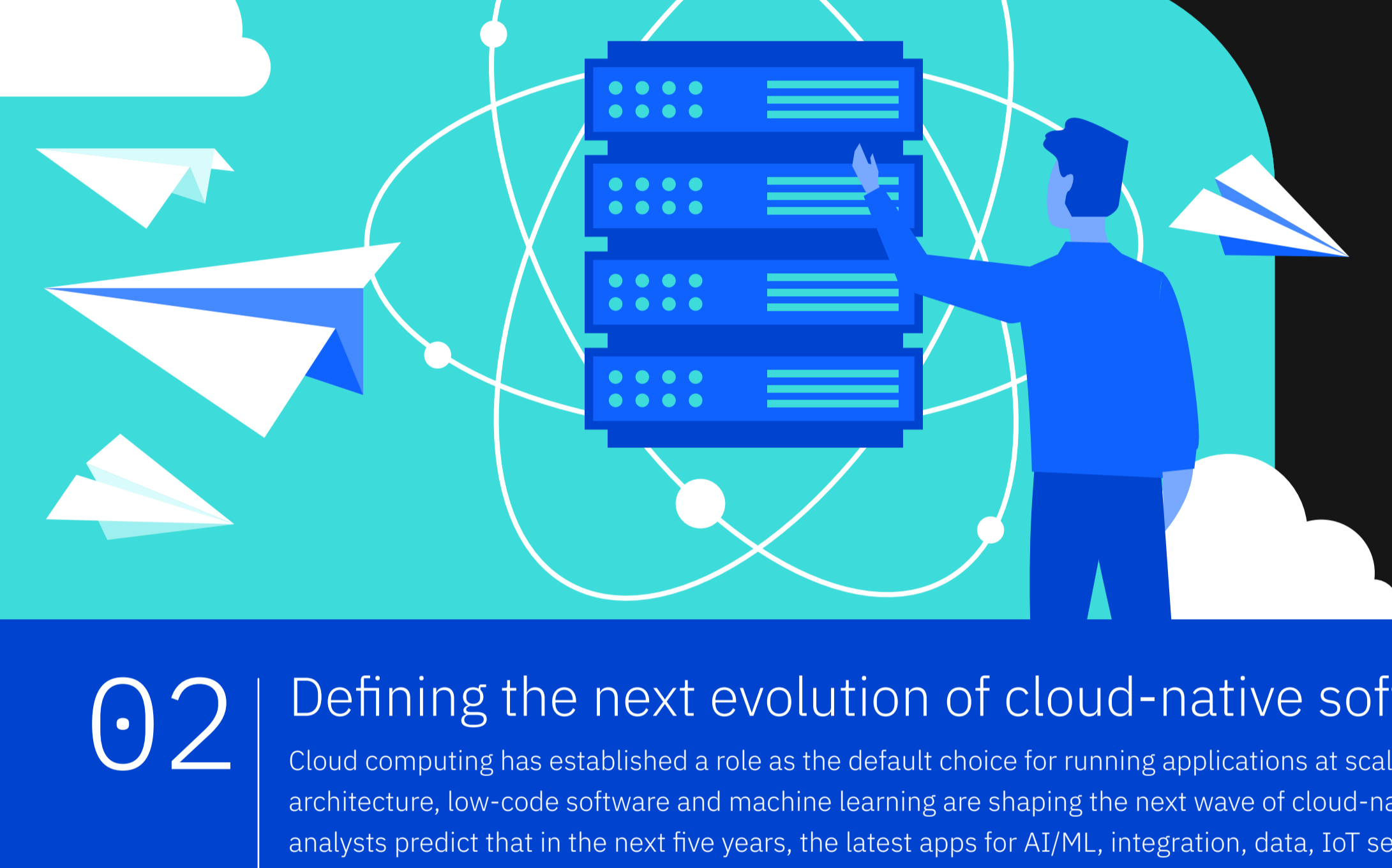


In the next three years alone, hybrid cloud adoption is expected to grow by 47%.²



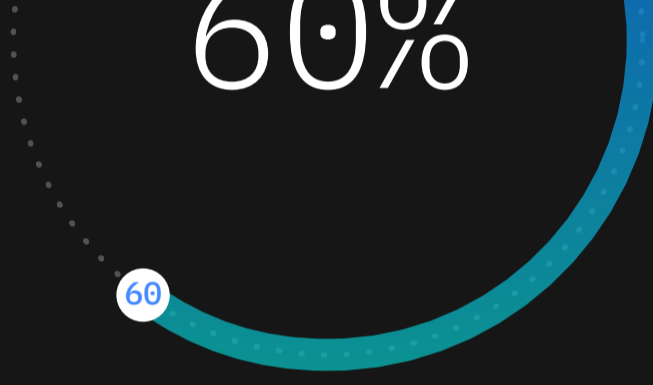
2.5x

The value derived from a full hybrid, multicloud platform technology and operating model at scale is 2.5x the value derived from a single platform, single cloud vendor approach.²



02 Defining the next evolution of cloud-native software

Cloud computing has established a role as the default choice for running applications at scale. Now serverless architecture, low-code software and machine learning are shaping the next wave of cloud-native software. Forrester analysts predict that in the next five years, the latest apps for AI/ML, integration, data, IoT service or industry verticals will be available — in all major public clouds, back on-premises and even at edge locations.³



By the end of 2021, 60% of companies will leverage containers on public cloud platforms and 25% of developers will leverage serverless.⁴

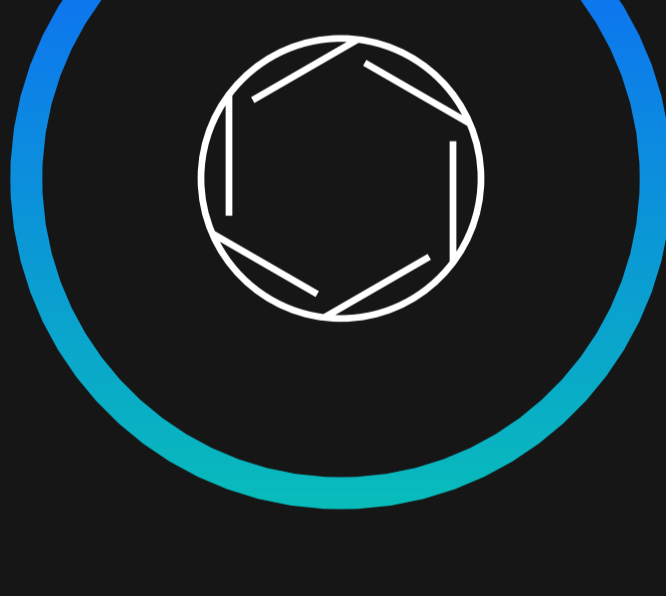
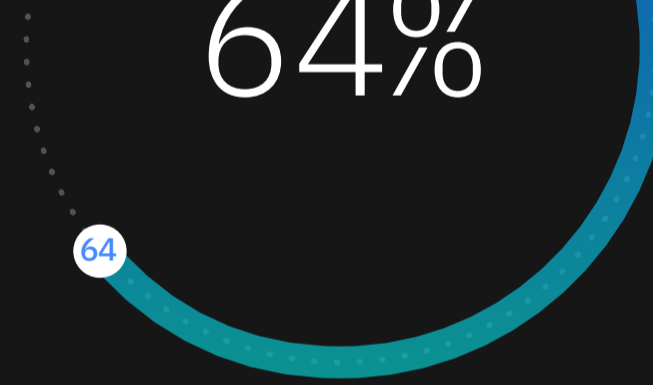
44% of global developers reported that their organizations are either using or planning to adopt low-code platforms.¹



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In 2021, at least a third of test professionals will use machine learning to make test automation smarter.¹

64% of organizations surveyed acknowledge a shift to more cloud-based business activities as a result of the COVID-19 pandemic.⁶



The “technology mix” recipe for success is changing. Increasingly, **cloud and AI** are becoming performance differentiators.⁵



03 The cloud-native trends you need to follow

Forrester has identified six emerging technologies that enterprises should master in order to adopt cloud-native at scale.³



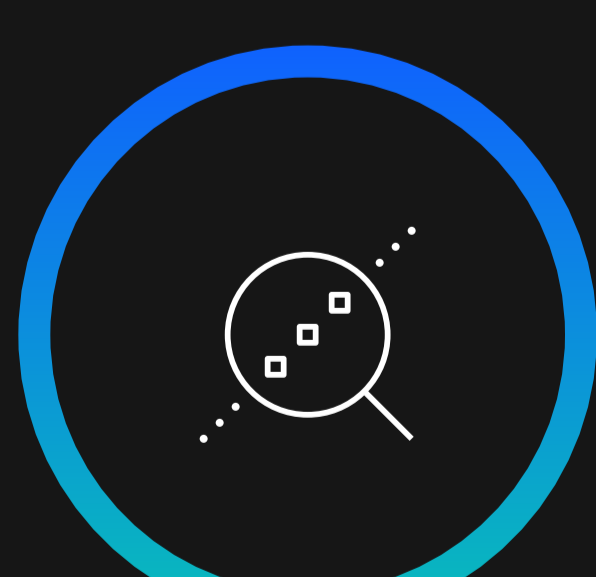
Enterprise container platforms



Serverless computing



Container security



Container/edge monitoring



Microservices designs/service mesh



Continuous delivery and release automation (CDRA)

Learn more about the future of enterprises and the cloud in Forrester’s **Trend: Cloud-Native Technologies Accelerate Software Innovation Everywhere.**



Sources

1. Forrester Research, Inc., “[Predictions 2021: Software Development](#),” October 2020.
2. IBM Institute for Business Value, “[The hybrid cloud platform advantage](#),” June 2020.
3. Forrester Research, Inc., “[Trend: Cloud-Native Technologies Accelerate Software Innovation Everywhere](#),” August 2020.
4. Forrester Research, Inc., “[Predictions 2021: Cloud Computing](#),” October 2020.
5. IBM Institute for Business Value, “[Digital acceleration](#),” November 2020.
6. IBM Institute for Business Value, “[COVID-19 and the future of business](#),” September 2020.