

Enterprise Applications are at a Tipping Point Moving to Cloud

Majority of enterprise applications will run on public or private clouds by 2020

Percentage of your application instances that will run on traditional vs. cloud infrastructure by 2020?

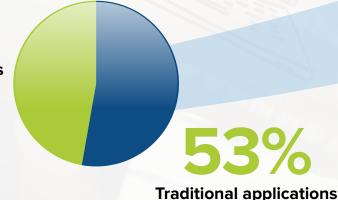
Traditional applications



59% Cloud Applications

Percentage of your application instances that are on traditional vs. cloud infrastructure today?





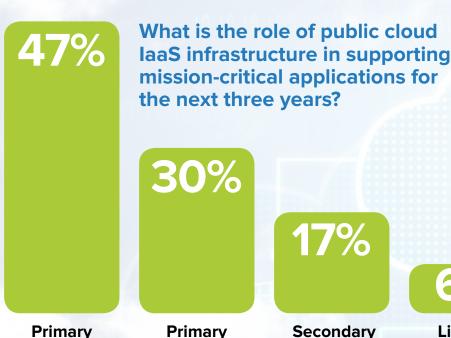
But, many traditional applications will still be mission critical in 2020: Customer data, systems of record, and legacy code.



Multi-Cloud Support Expected

Limited

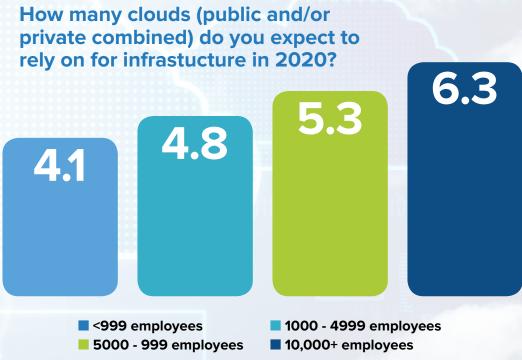
Larger organizations expect to use a wider range of clouds.



Primary platform for new cloud native applications only

Secondary platform for mission-critical applications, selectively supplementing existing infrastructure







platform for

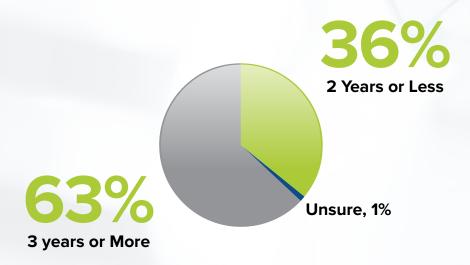
all existing

and new

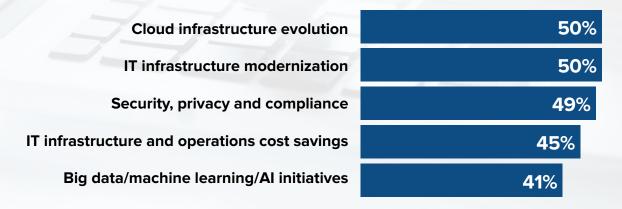
applications

But, Existing Applications & Infrastructure Still Play an Important Role for a Number of Years

How long do you expect to support the IT infrastructure currently used by traditional applications?



Major initiatives shaping IT investment decisions





The Larger the Organization the Longer the Support Horizon of Existing Infrastructure and Apps

Customers for whom open source is mission critical or very important see an 18% reduction in support horizons

> How long do you expect to support the IT infrastructure currently used by traditional applications?





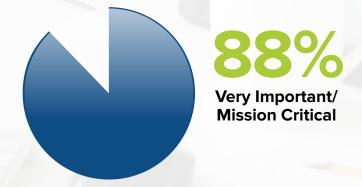
Agility, Affordability and Compatibility With Existing IT Required for Success of Modern Applications and Multi-Cloud Strategies

What are the most important characteristics that will influence your selection of new IT infrastructure technologies including cloud?

#1 Improve operational agility

#2 Reduce infrastructure costs

#3 Compatibility with existing infrastructure and management How important are infrastructure scalability and agility in enabling successful DevOps and cloud native application strategies?





The Enterprise IT Balancing Act: Traditional vs. Modern

Traditional IT

(Maintain and Lower Costs)

Applications tightly coupled to infrastructure

Physical and Virtual

Monolithic applications

Modern IT

(Innovation and Agility)

Containers, DevOps, CI/ **CD** and **Open Source**

Multi-Cloud Automation and Analytics

Software Defined Infrastructure

Promote Agility Simplify Integration **Accelerate Innovation**

Redeploy savings into new initiatives

OPEN SOURCE INFRASTRUCTURE



Transfer Savings to

Boost Modern IT

Improve efficiency

Ensure security

Five Greatest Areas of Concern During Modernization Journey

With Modernization Comes Challenges

IT management skills and process gaps	39%
Increasing operational complexity	37%
Increasing frequency of infrastructure changes	34%
Supporting and integrating traditional and cloud native technology	32%
Optimizing infrastructure capacity and costs	31%

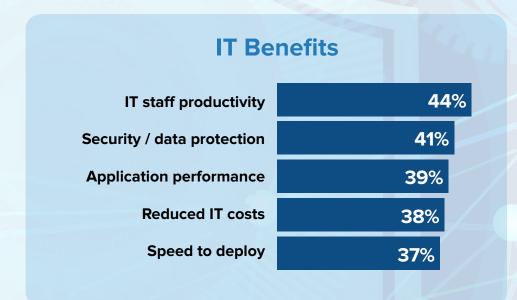




Security & Productivity

Top Business and IT Benefits of IT Modernization





IT MODERNIZATION IMPROVES SECURITY, PRODUCTIVITY, AND AGILITY FOR BUSINESS AND IT.



<OPEN-SOURCE >

Vendor Supported Open Source — Proven Platform for IT Modernization

Vendor supported open source is Ranked as #1 sourcing preference for new IT Infrastructure

ORGANIZATIONS WHERE OPEN SOURCE HAS HIGH IMPORTANCE ARE 4X LESS LIKELY TO REQUIRE SIGNIFICANT IT MODERNIZATION



BELIEVE OPEN SOURCE IS MISSION CRITICAL OR VERY IMPORTANT FOR SUPPORTING IT STRATEGIES OVER NEXT 3 YEARS



Methodology

In September, 2017 IDC conducted a global study to assess how enterprise IT infrastructure architecture strategies are evolving due to the impact of cloud computing, DevOps and digital transformation initiatives.

Respondents were IT operations decision makers with influence over their organization's IT infrastructure architecture, management and modernization strategies including experience with or interest in DevOps and Linux. This InfoBrief Summarizes the key findings from this study.

