

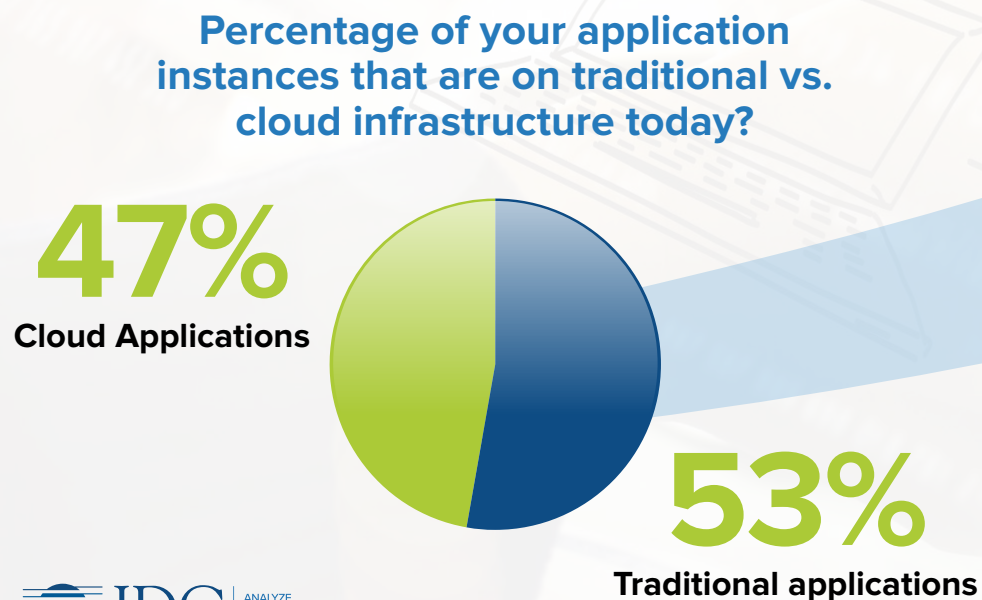
Enterprises Look to Open Source to Navigate the IT Modernization Journey

An IDC InfoBrief, *Sponsored by Red Hat* | January 2018

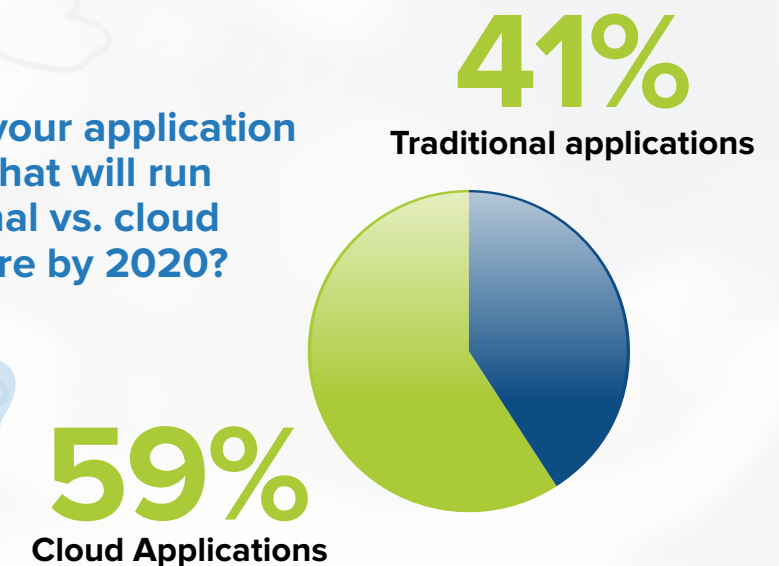


Enterprise Applications are at a Tipping Point Moving to Cloud

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



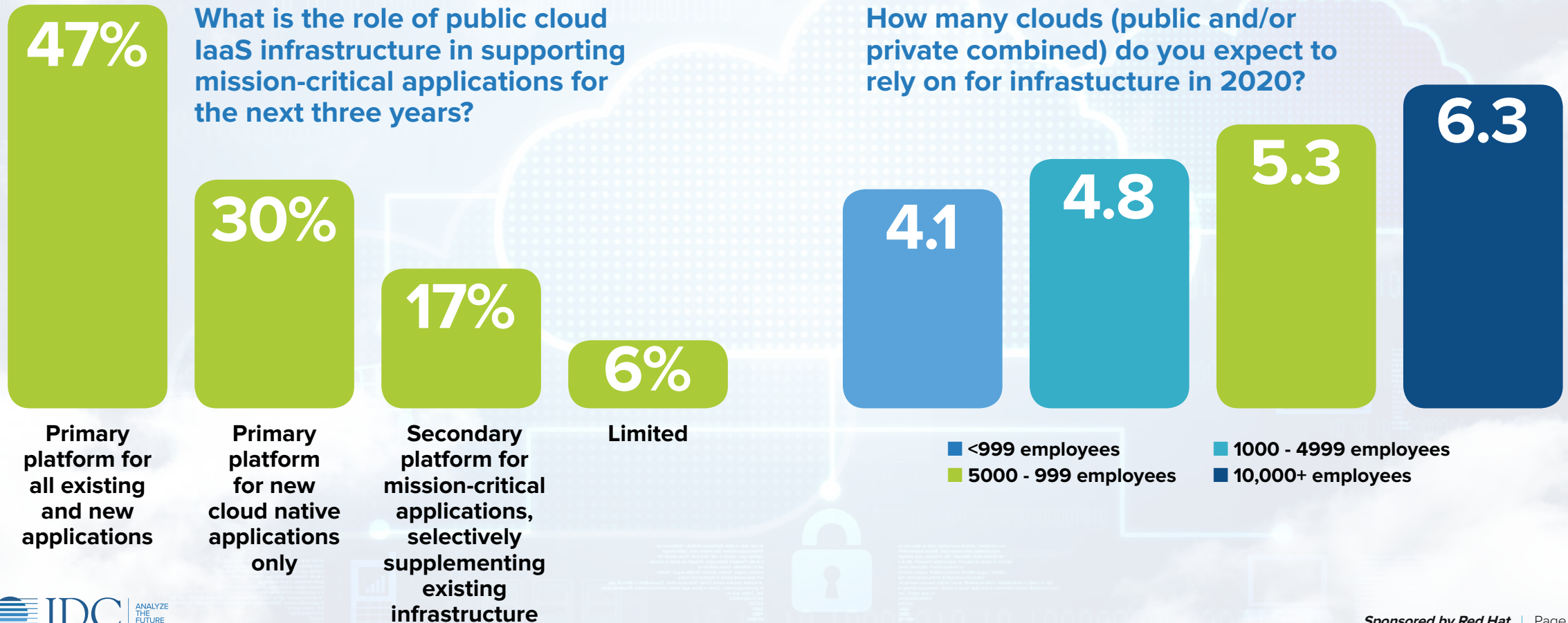
Percentage of your application instances that will run on traditional vs. cloud infrastructure by 2020?



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

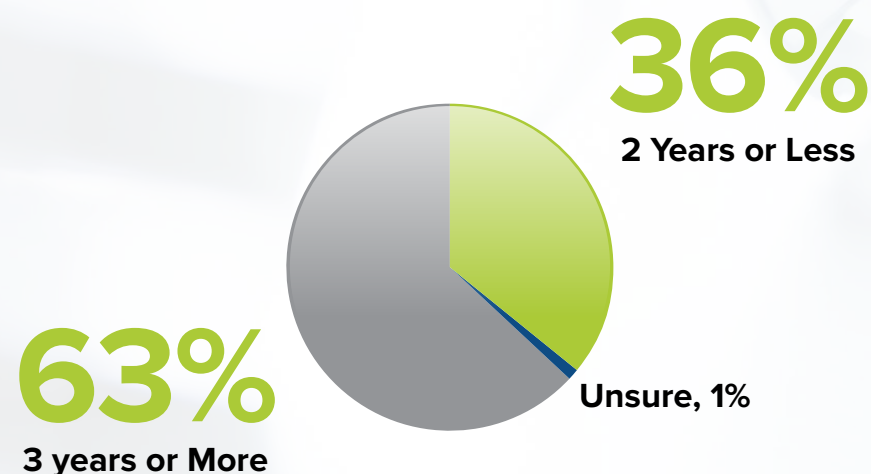
Multi-Cloud Support Expected

Larger organizations expect to use a wider range of clouds.

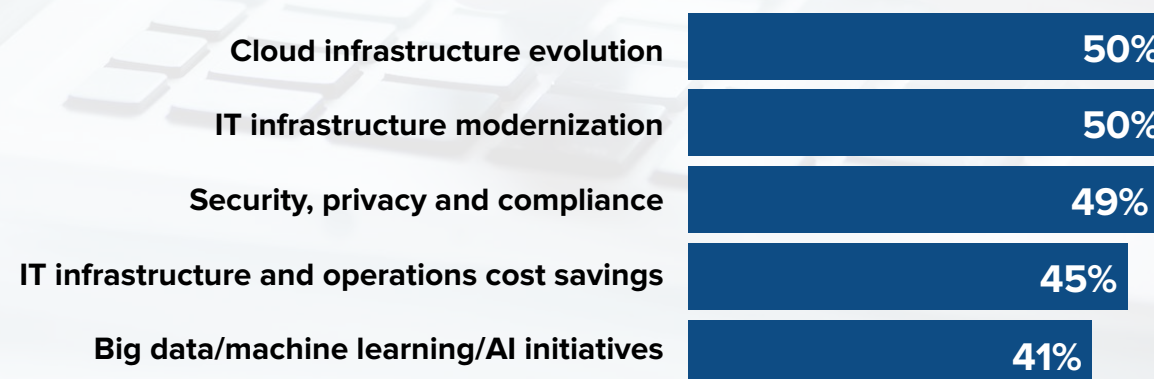


But, Existing Applications & Infrastructure Still Play an Important Role for a Number of Years

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

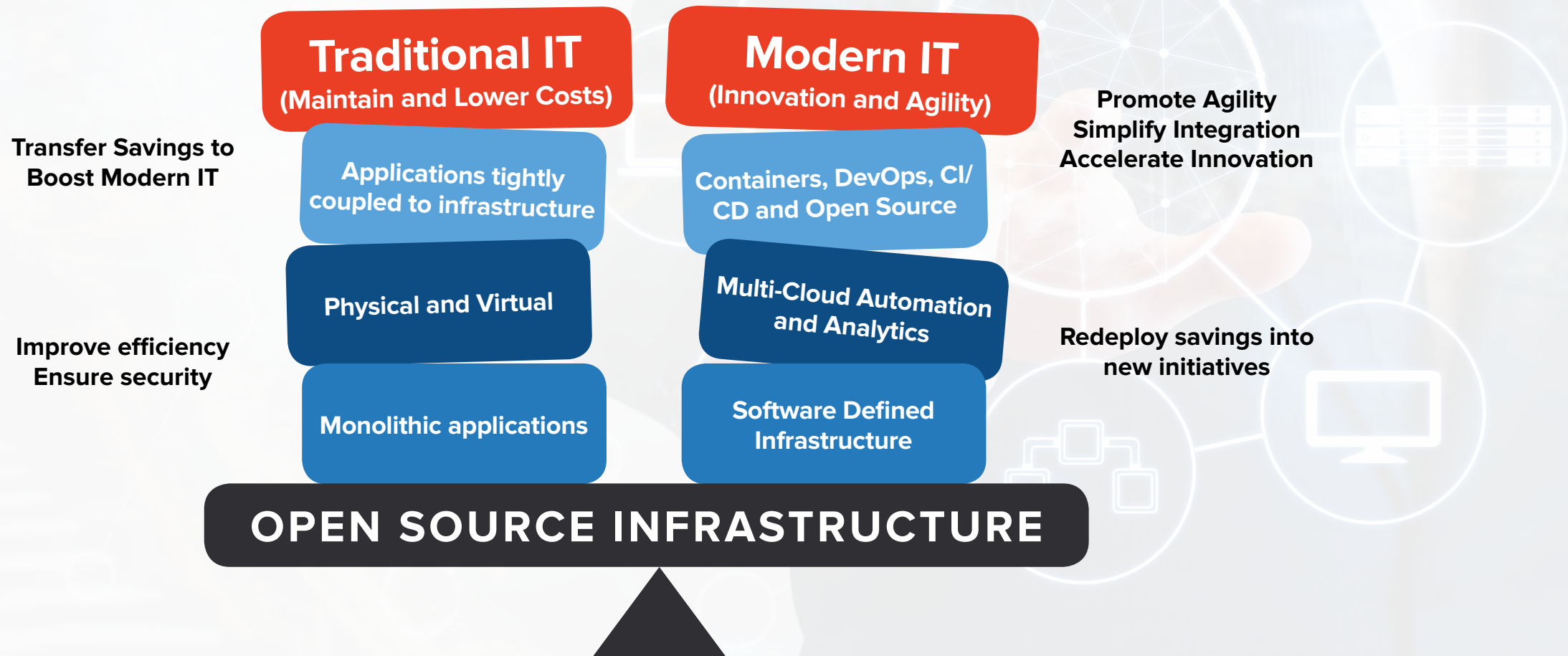
How important are infrastructure scalability and agility in enabling successful DevOps and cloud native application strategies?



88%

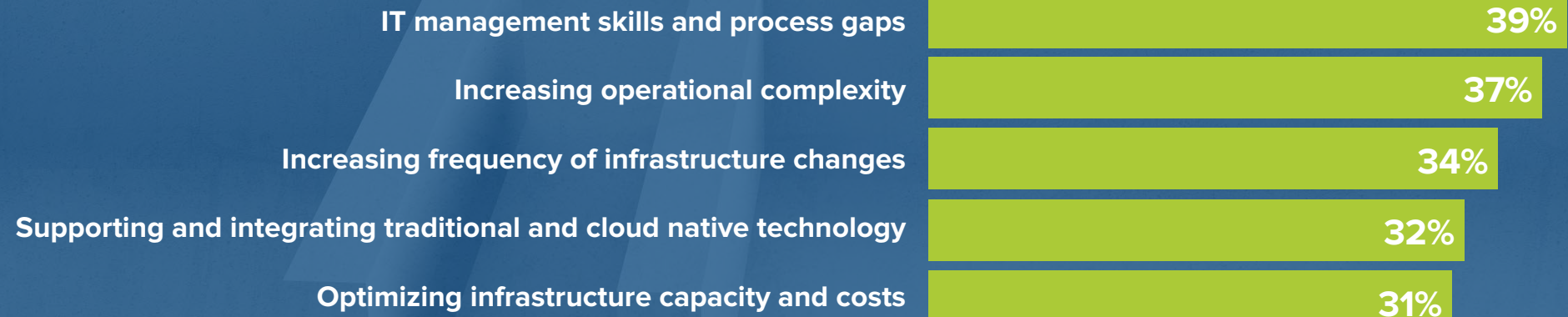
**Very Important/
Mission Critical**

The Enterprise IT Balancing Act: Traditional vs. Modern



Five Greatest Areas of Concern During Modernization Journey

With Modernization Comes Challenges



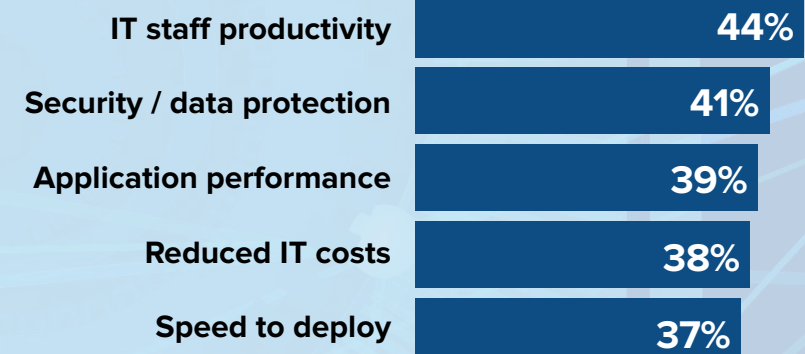
Security & Productivity

Top Business and IT Benefits of IT Modernization

Business Benefits



IT Benefits



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

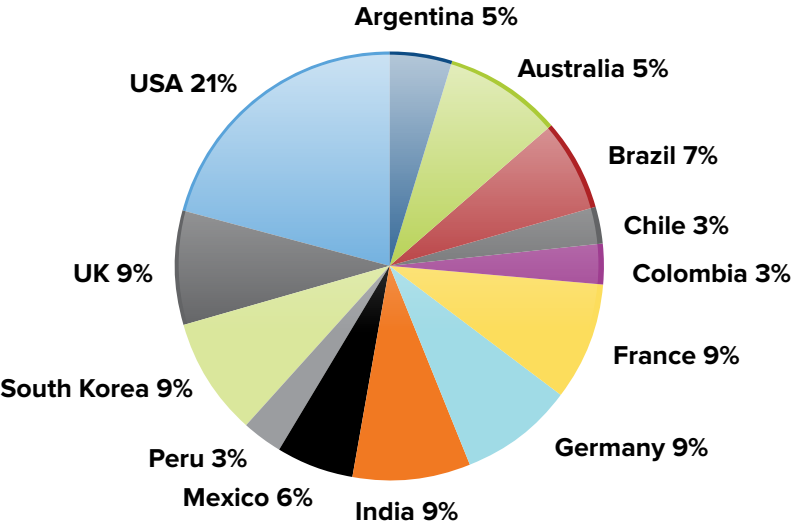
ORGANIZATIONS WHERE OPEN SOURCE HAS HIGH IMPORTANCE ARE 4X LESS LIKELY TO REQUIRE SIGNIFICANT IT MODERNIZATION

84%

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.



Which best describes your role?

