

# IT Architecture Modernization Trends 2019

What does IT architecture modernization really mean for large enterprises?  
What are the top challenges and trends IT executives need to know?

A survey of over 300 IT executives, conducted by Dimensional Research and DataStax, takes the pulse of IT architecture modernization trends.

## Top 4 Survey Findings:

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### Architecture modernization is both necessary and hard

- ✓ **100%** of respondents are modernizing their technology architecture with the goals of reducing costs, improving customer and employee satisfaction, and gaining data-driven insights
- ✓ However, **99%** report challenges with architecture modernization and no standards exist for funding new application development

MODERN APPS

### Cloud flexibility is key

- ✓ **85%** have cloud initiatives as part of modernization efforts
- ✓ **72%** are moving to a hybrid or multi-cloud infrastructure with more than half of all new application architectures will support hybrid or multi-cloud environments
- ✓ But, **95%** have concerns about vendor lock-in

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### Data is the driving factor behind modernization

- ✓ **98%** report challenges with their corporate data architectures with data silos topping the list
- ✓ **99%** say database architecture is important when building hybrid or multi-cloud environments

### Open source is increasingly valued by large organizations

- ✓ **82%** report that their teams are more receptive to open source today than five years ago
- ✓ **50%** say open source is part of their architecture modernization plans

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To learn more about the IT Architecture Modernization Trends 2019 survey, download the full report [here](#).

#### Methodology

An online survey was sent to independent sources of IT executives working at large companies. A total of 304 qualified participants completed the survey. All respondents worked in IT leadership and decision-making roles at companies with more than 5,000 employees.

#### About DataStax

DataStax delivers the always-on, active everywhere distributed hybrid cloud database built on Apache Cassandra™. The foundation for full data autonomy and personalized, real-time applications at scale, DataStax Enterprise makes it easy for enterprises to exploit hybrid and multi-cloud environments via a seamless data layer that eliminates the issues that typically come with deploying applications across multiple on-premises data centers and/or multiple public clouds.

We help many of the world's leading brands across industries transform their businesses by eliminating data silos and powering modern, mission-critical applications. For more information, visit [www.DataStax.com](http://www.DataStax.com) and follow us on Twitter @DataStax.

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