

The Evolving Role of CIO in the Era of Digital Transformation

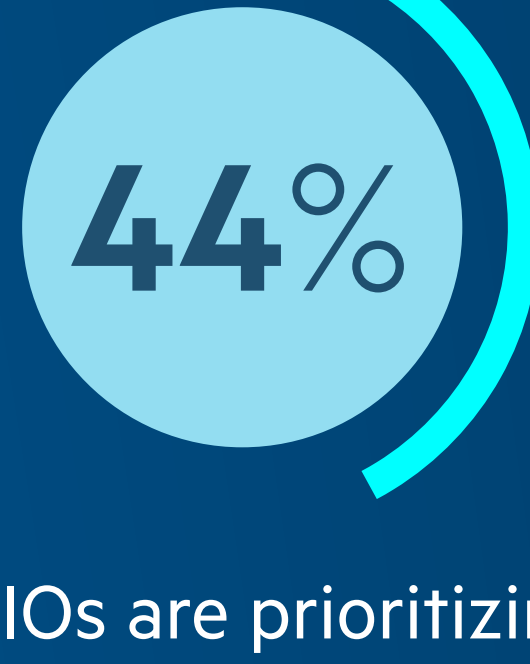
CIOs are managing changing expectations and growing complexity in their organizations. They are increasingly under pressure to manage performance demands, stabilize security structures, and create a cohesive data strategy. To achieve this, CIOs must create a holistic, strategic plan that engages people and enables technologies across the organization.

The CIO Role is Shifting

CIOs are now in charge of leading digital transformation in their organizations, which requires balancing business goals with existing technologies.



of CIOs say that new revenue-generating initiatives are among their job responsibilities.¹



of CIOs are prioritizing efforts to align IT initiatives with business goals.²



are leading change efforts across their organization.³



are assisting in the creation of new go-to-market strategies & technologies.⁴

“To support the creation of new revenue-generation projects, CIOs are learning about customer needs, creating teams focused on innovation and creating business case scenarios with defined costs and benefits.” -IDG⁵

CIOs are Managing Growing Complexity

Most companies are still in the beginning stages of digital transformation. The complexity of their technology ecosystem is growing every day.

\$3.9T

investment in overall technology predicted in 2020 (an increase in 3.4% year-over-year)⁶

>1%

increase in hardware purchases in 2020⁷

\$208B

increase in data center investments in 2020 (an increase in 3.4% year-over-year)⁶

“As the usage of technology and applications increases, so does the need for the CIO to safeguard the massive amounts of decentralized data that accumulates.”

Ed Diver, CIO, Digital Realty⁹

Barriers to Success

IT decision-makers don't just need to understand the business; they need to have their fingers on the pulse of the organization's people.

CULTURE

Per Gartner, by 2021, CIOs will be as responsible for culture change as Chief Human Resources Officers.¹⁰



80% of mid-size to large enterprises will change their culture to accelerate digital transformation.¹¹



50% of CIOs report that the main barrier to digital transformation is culture.¹²

SKILL GAP



75% of organizations are predicted to experience visible business disruption due to infrastructure and operations skills gaps.¹³



54% of all employees will require significant reskilling by 2022.¹⁴

SHADOW IT

The average company with 1000+ employees has:

203 apps

of which **12.5** are duplicate apps. Typically, this means organizations are paying more than necessary and complicating internal data management.

Driving Change with Architecture as a Blueprint

Managing the business requires focusing on all architecture disciplines, not just the data. A new enterprise architecture is necessary to support the exploding volume of digital business workflows and highly interactive traffic behaviors.



60% of enterprise IT infrastructures will focus on centers of data, rather than traditional data centers by 2022.¹⁶

Standards and data management

Operating under tried and true parameters allows you to build reliable architectures, free up people and resources to focus on innovation, and meet future business needs.

Business-first architecture

Ensure that the business strategy drives architecture rather than the other way around. Technology-driven architecture rarely meets business needs and timelines.

Future architecture strategies

Understand the data's scope and nature to ensure that long-term security is addressed while working with flexible partners that allow you to scale pay structures based on computing capacity.

Interwoven architectural disciplines

Understand the interplay between the business, information, systems, and technology architecture.

Business forward approach

Vet technology decisions with the business leaders to avoid the risk of failing to meet business needs.

Download the [whitepaper](#) and discover a path to success in your digital transformation roadmap.

¹"2020 State of the CIO [Executive Summary];" IDG.

²"2020 State of the CIO [Executive Summary];" IDG.

³"2020 State of the CIO [Executive Summary];" IDG.

⁴"2020 State of the CIO [Executive Summary];" IDG.

⁵"The Evolving Role of the CIO in the Era of Digital Transformation," Digital Realty, January 25, 2020. [NEED TO ADD LINK ONCE WP IS PUBLISHED]

⁶"Gartner Predicts Global IT Spending Will Rise to \$3.9 Trillion in 2020," Forbes, January 15, 2020.

⁷"Gartner Predicts Global IT Spending Will Rise to \$3.9 Trillion in 2020," Forbes, January 15, 2020.

⁸"Gartner Predicts Global IT Spending Will Rise to \$3.9 Trillion in 2020," Forbes, January 15, 2020.

⁹"The Evolving Role of the CIO in the Era of Digital Transformation," Digital Realty, January 25, 2020. [NEED TO ADD LINK ONCE WP IS PUBLISHED]

¹⁰"Gartner Predicts by 2021, CIOs Will Be as Responsible for Culture Change as Chief HR Officers," Gartner, February 11, 2019.

¹¹"Gartner Predicts by 2021, CIOs Will Be as Responsible for Culture Change as Chief HR Officers," Gartner, February 11, 2019.

¹²"Gartner Predicts by 2021, CIOs Will Be as Responsible for Culture Change as Chief HR Officers," Gartner, February 11, 2019.

¹³"Gartner Predicts by 2021, CIOs Will Be as Responsible for Culture Change as Chief HR Officers," Gartner, February 11, 2019.

¹⁴"The Future of Jobs Report 2018," World Economic Forum, September 17, 2018.

¹⁵"2019 Annual SaaS Trends Report," Blissfully, February 12, 2019.

¹⁶"Gartner Identified the Top 10 Trends Impacting Infrastructure and Operations for 2020," Gartner, December 10, 2019.



DIGITAL REALTY