dynatrace

The move to multicloud environments has broken traditional approaches to infrastructure monitoring

2022 Global CIO Report

What's inside
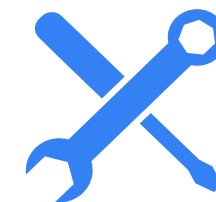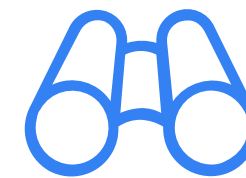
Digital transformation is everywhere

Digital transformation is everywhere and in every industry. Organizations are under pressure to keep up with the accelerating pace of innovation, which is increasing the need for agility and scalability. This has fueled the shift toward dynamic multicloud environments and cloud-native architectures.

With each new cloud service or platform added to their infrastructure, however, complexity grows. This is increasing the burden on already stretched teams tasked with monitoring the digital infrastructure that underpins today's organizations. These teams are drowning in data leaving little time for innovation.

As a result, teams need a new approach that improves visibility into multicloud environments and automates manual, routine tasks, so they have more time to focus on driving the business forward.

This report examines the challenges infrastructure teams face in monitoring and managing their modern multicloud environments and cloud-native architectures. Its findings highlight how IT teams can overcome these difficulties with continuous automation, AIOps, and end-to-end observability that provide teams with a holistic view of their multicloud environments.

CHAPTER 1

Multicloud environments are increasingly difficult to manage

Today, most organizations run applications on multicloud infrastructure to address unique business needs. This also increases agility and scalability, helping teams maximize the speed of innovation and keep up with the pace of digital transformation. As organizations continue to embrace additional cloud services and platforms from multiple providers, these multicloud environments are growing in scale and complexity.

99%
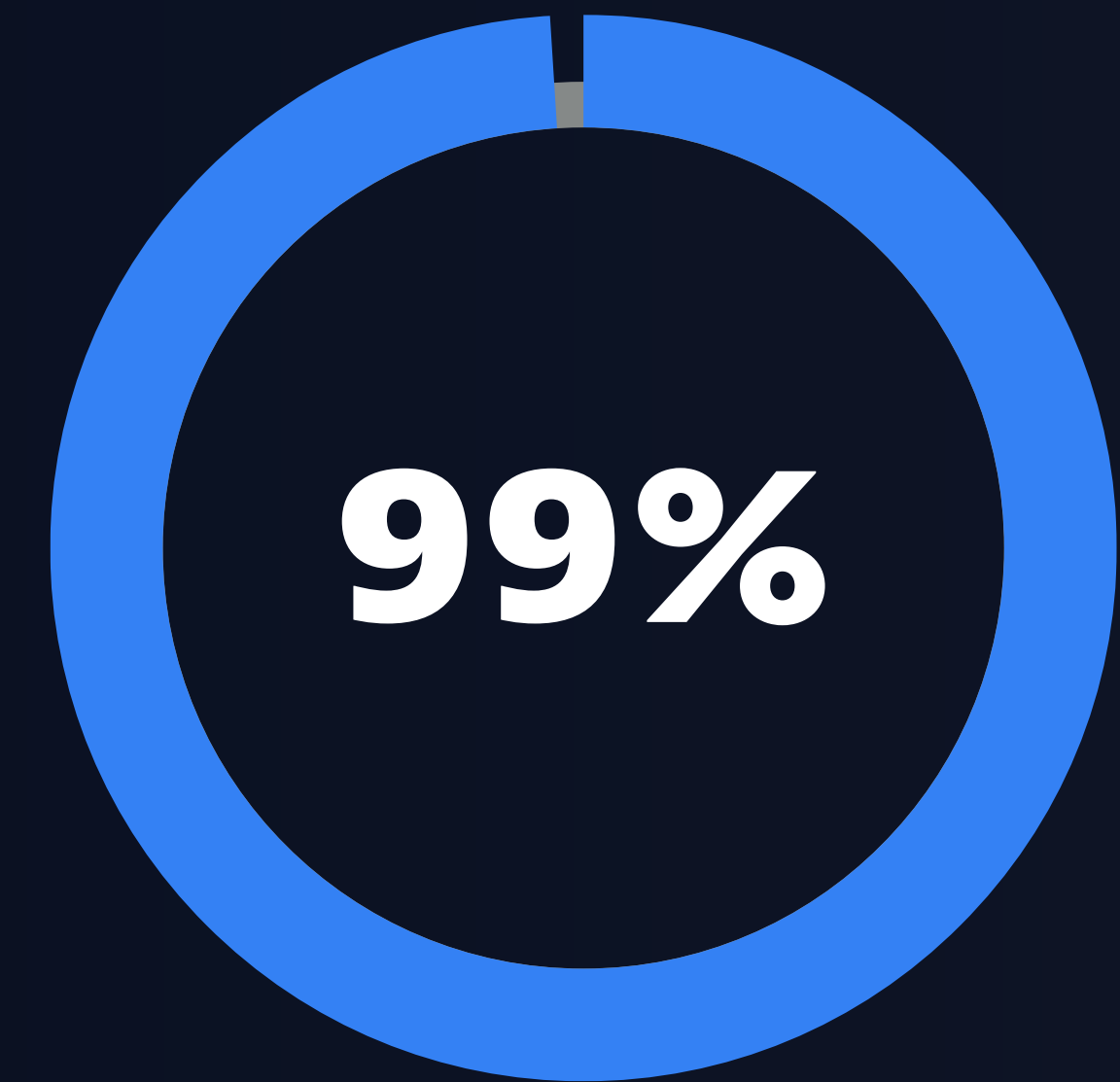
of large organizations have
a multicloud environment today.

Multicloud environments are increasingly difficult to manage

Each cloud environment comes with its own monitoring tool, so infrastructure teams are forced to spend increasing amounts of time manually piecing together insights from various dashboards to identify activity in their environment. As a result, infrastructure has become more difficult to manage, draining resources and preventing teams from prioritizing work that drives innovation.

58% of IT leaders say infrastructure management is an increasing drain on resources as their use of cloud services has increased, forcing teams to constantly switch between different solutions and dashboards to gain insights.

79% of large organizations have a fully multicloud infrastructure, with no on-premises systems.

20% of large organizations have a hybrid-infrastructure based on a mix of on-premises systems and multiple cloud services.

The average multicloud environment spans five different platforms and services

The most common cloud platforms used are:

Platform	Percentage
AWS	62%
Microsoft Azure	47%
Google Cloud	22%
IBM Red Hat	11%
Alibaba Cloud	4%
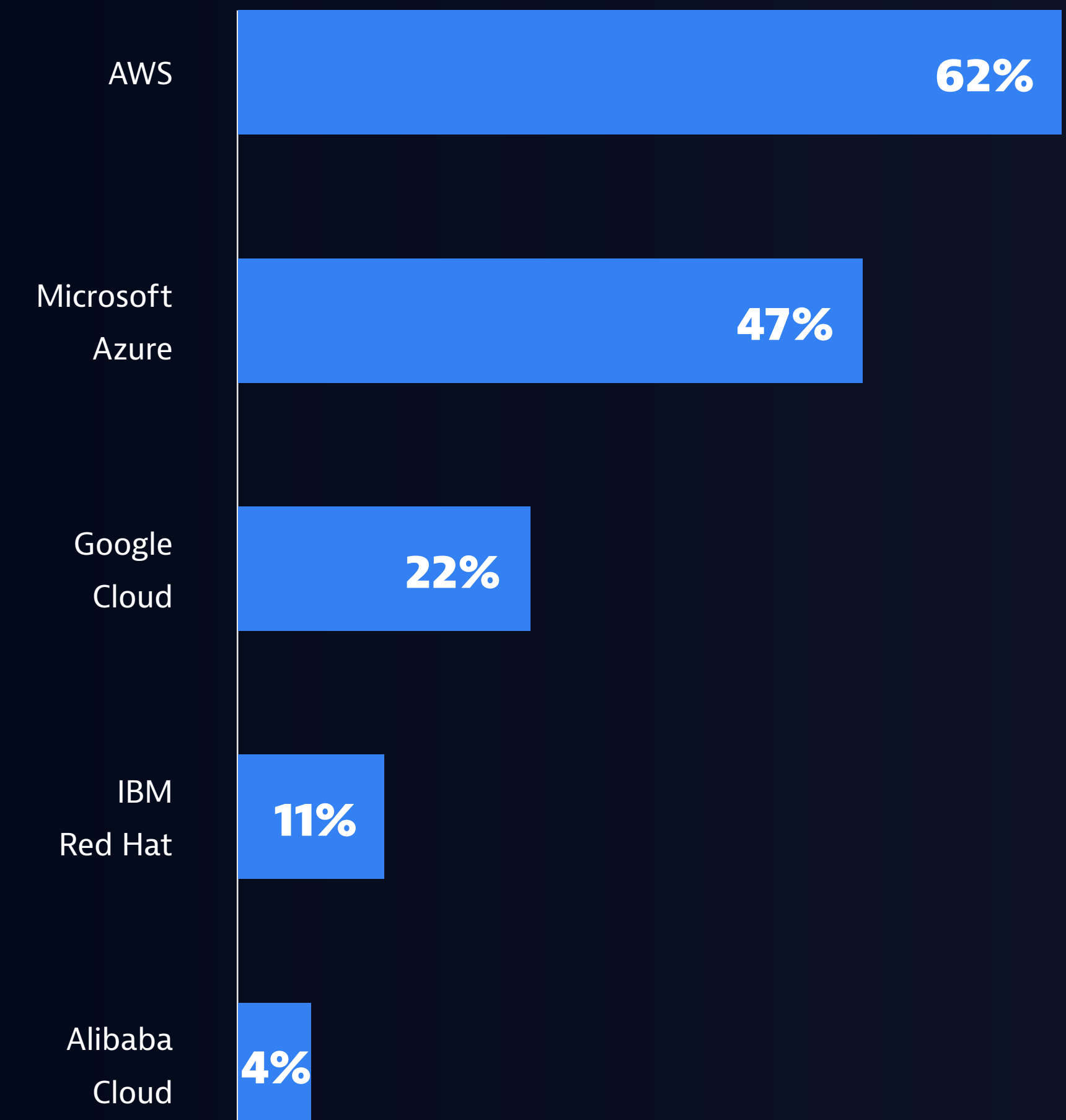
Traditional monitoring methods are unable to keep up

The growing adoption of cloud-native architectures and open-source technologies have also made multicloud environments more dynamic, which creates further challenges for infrastructure monitoring. While Kubernetes enables organizations to scale infrastructure up or down to match demand, the constant change makes it difficult for teams to monitor and maintain infrastructure performance.

In addition, Kubernetes environments produce large volumes of data that teams use to unlock the insights needed to optimize them. Often, this process is highly manual, forcing teams to spend an increasing amount of time analyzing data and dashboards. What's more, that task is about to become even more time-consuming as the universal adoption of open observability technologies and standards adds to the deluge of data.

100%

of organizations are planning
to adopt open observability standards
in the next two years.

Traditional monitoring methods are unable to keep up

81%
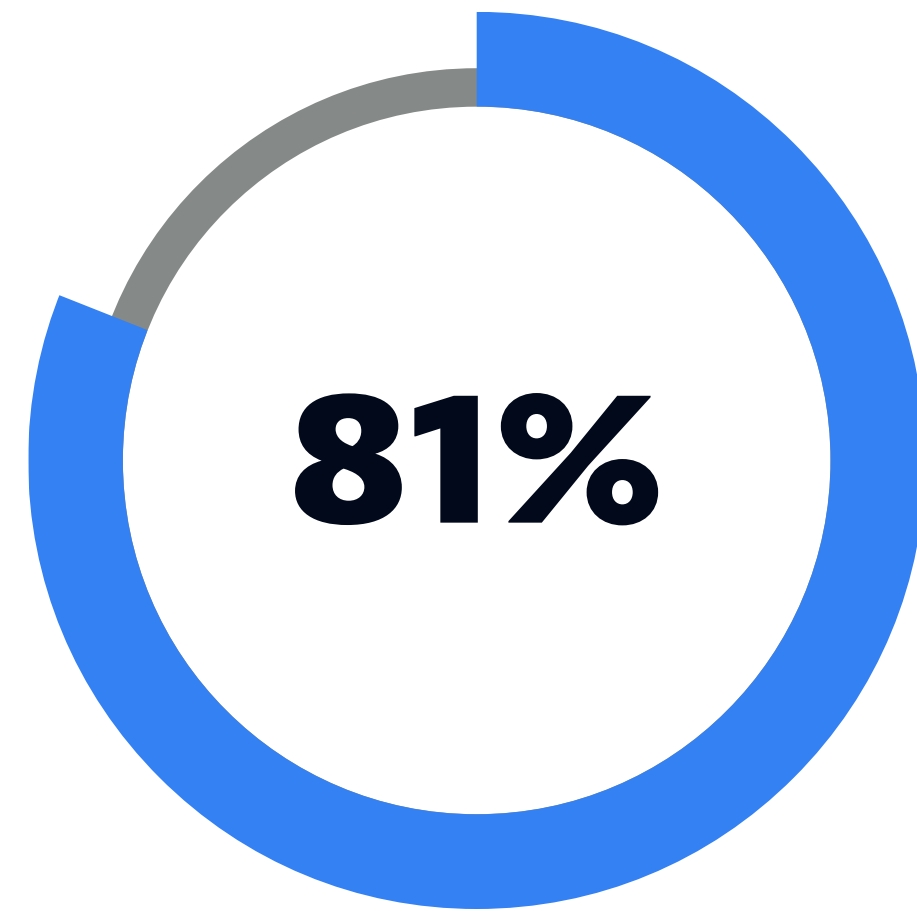
of IT leaders say their use of **Kubernetes has made their infrastructure more dynamic and difficult to manage** with existing solutions and approaches.

56%
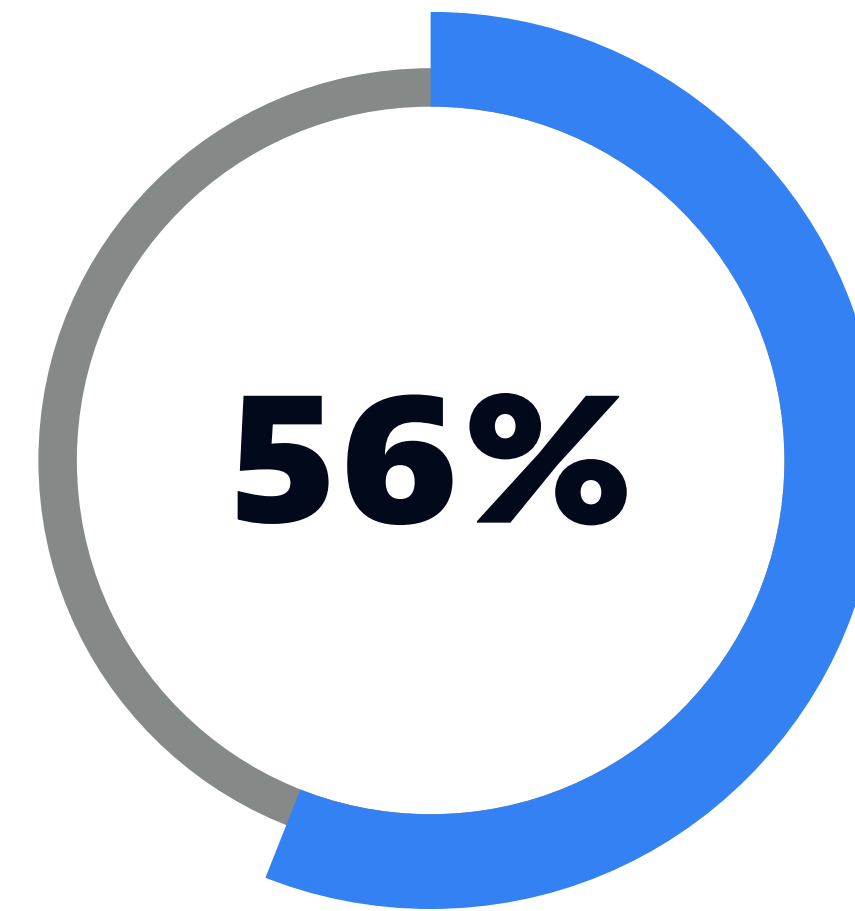
of IT leaders say **traditional infrastructure monitoring solutions are no longer fit for purpose** in a world of cloud and Kubernetes, and they must be replaced with a platform that can provide end-to-end observability across their multicloud environments.
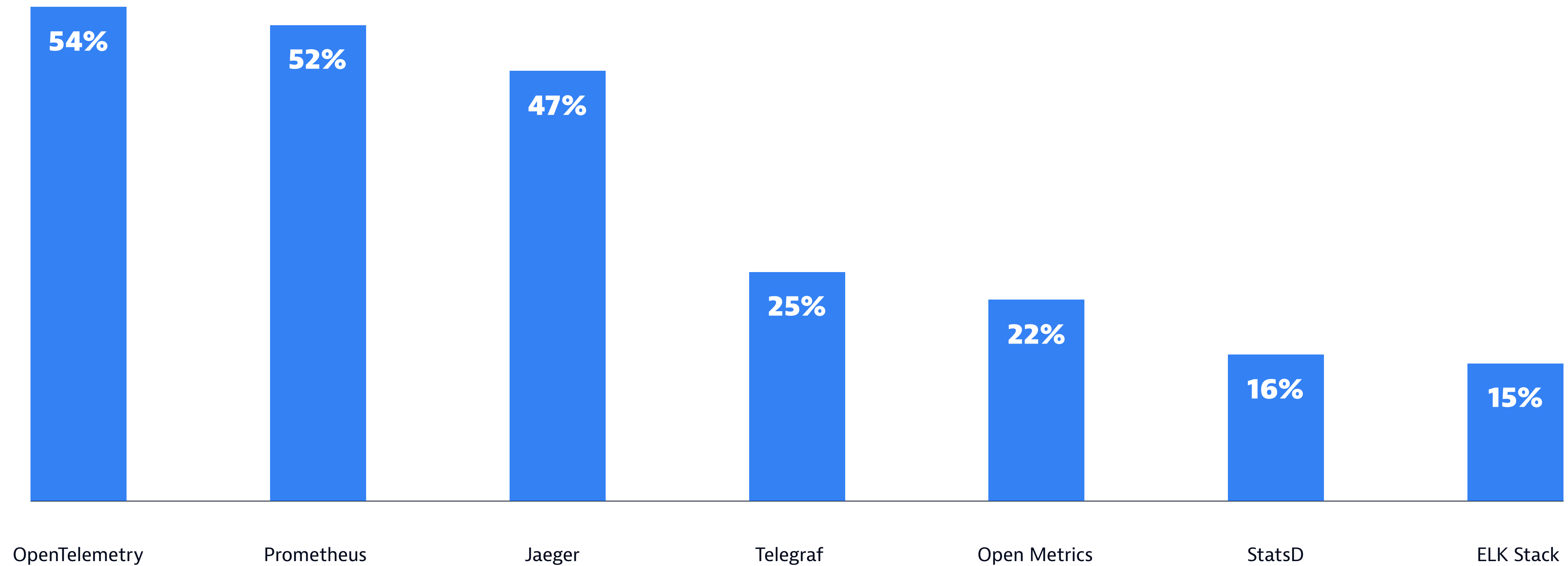
Inefficient DIY-monitoring approaches create data overload

Monitoring solutions that work well for traditional infrastructures fail in multicloud environments, leaving teams unable to access the end-to-end insights they need to optimize digital services effectively.

Many infrastructure teams are tackling this with a do-it-yourself (DIY) approach, using open-source observability solutions to stitch together the multiple monitoring tools they have for each platform across their multicloud and hybrid-environments.

On average, organizations rely on
7 different infrastructure monitoring solutions
to manage multicloud environments.

Inefficient DIY-monitoring approaches create data overload

These approaches leave teams drowning in a sea of data, forcing them to spend increasing amounts of time manually querying data and maintaining their monitoring solutions. This drains time from other value-generating activities.

61%
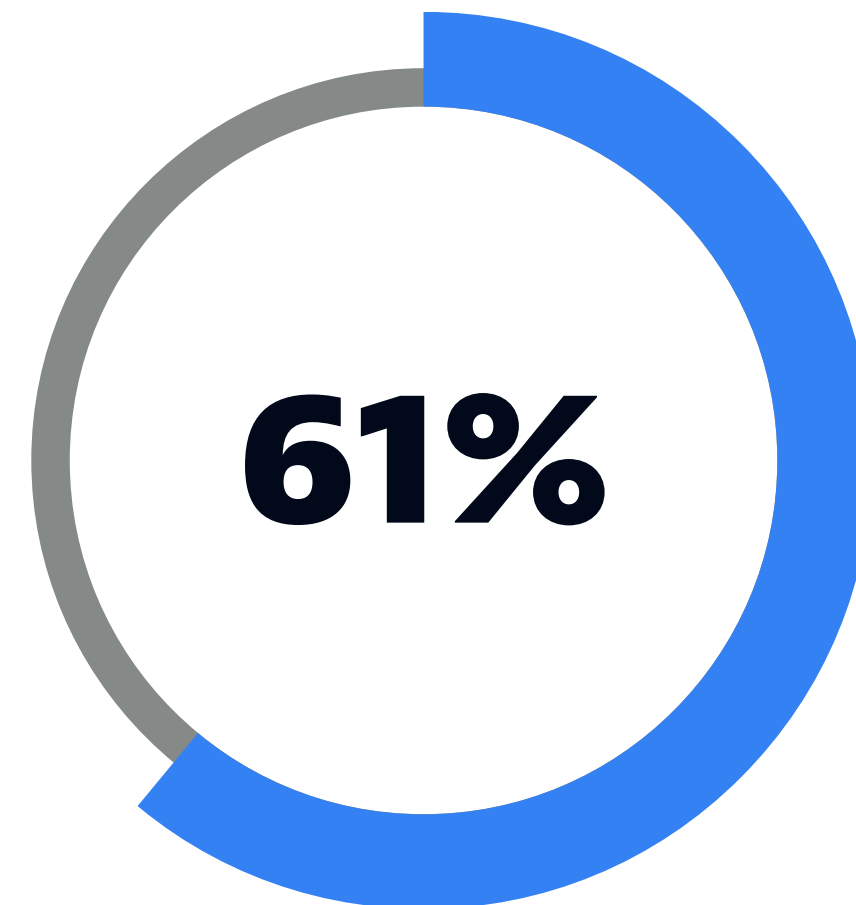
of IT leaders say **observability blind spots in their environments are becoming a greater risk to digital transformation** as teams are finding themselves without an easy way to monitor their technologies end-to-end.

57%
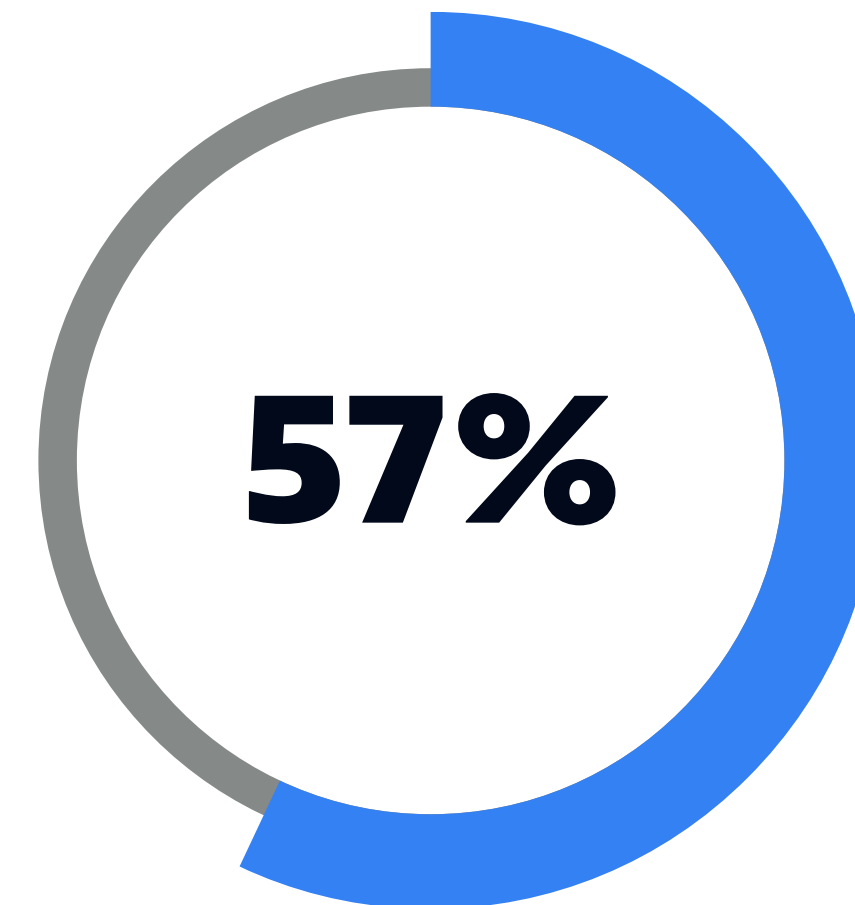
of IT leaders say **multiple monitoring solutions across multicloud environments are making it difficult** to optimize infrastructure performance and resource consumption.

Unified observability and AIOps drive success

Infrastructure teams spend a lot of time and resources on manual tasks that merely "keep the lights on". This undermines digital transformation success, as teams have less time to focus on strategic work that drives innovation and business value.

To overcome this, organizations need to empower infrastructure teams with solutions that automate as many of their routine, manual tasks as possible. They need end-to-end observability so teams no longer need to piece together data to understand the big picture of what is happening across their multicloud environments.

Combining these capabilities with AI-driven analytics will empower teams with the precise answers they need to effectively optimize their environments, so they can focus on accelerating innovation and driving better business outcomes.

Unified observability and AIOps drive success

42%
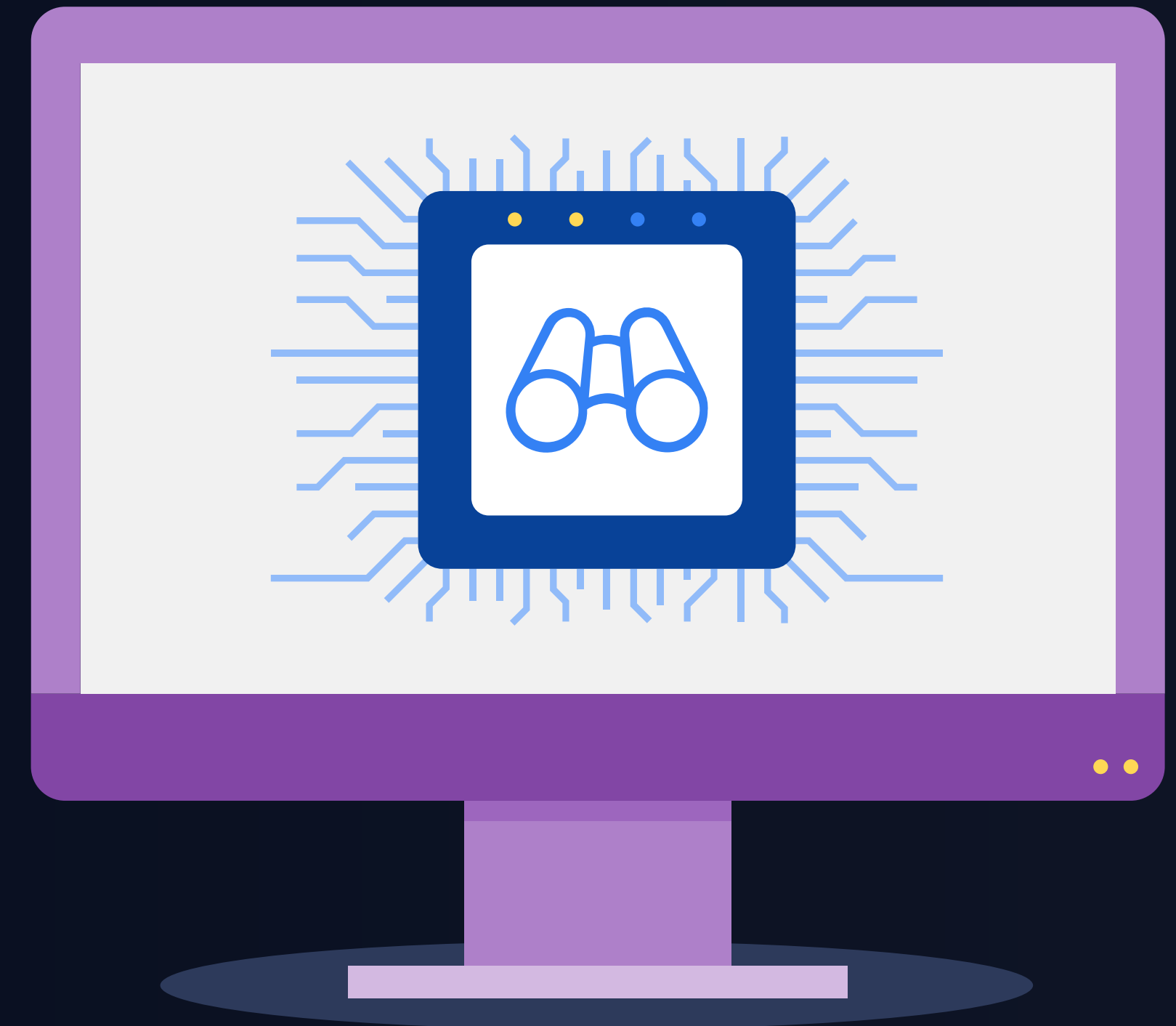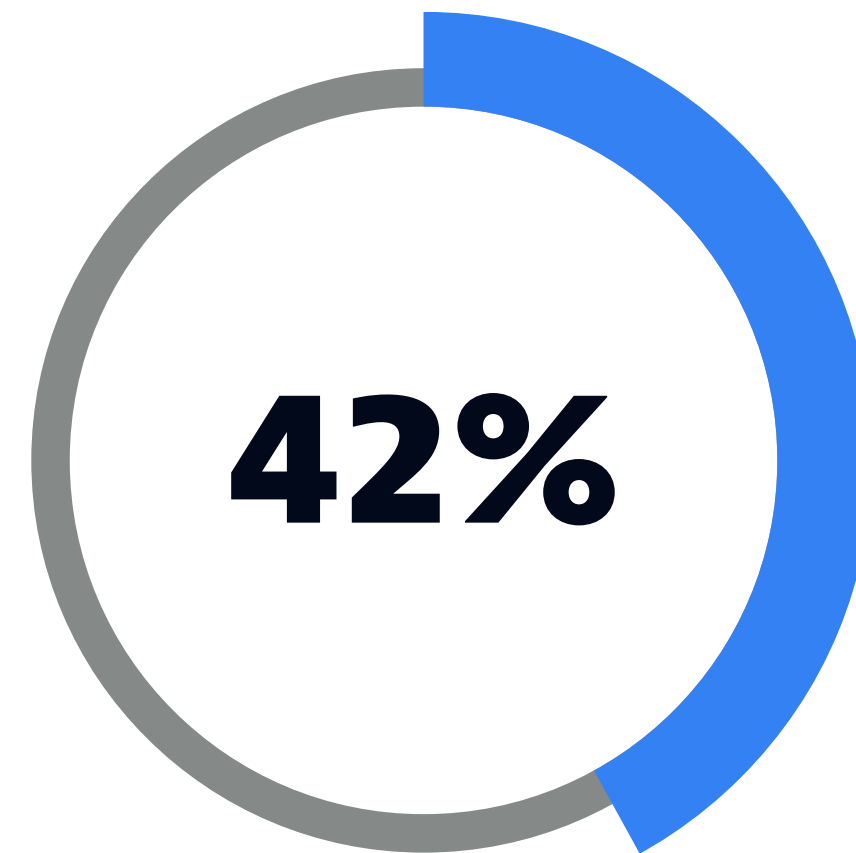
Nearly half of IT teams' time is spent on manual, routine work to "keep the lights on" across their environments, creating a major productivity drain and leading to missed revenue opportunities due to delays to innovation.

57%
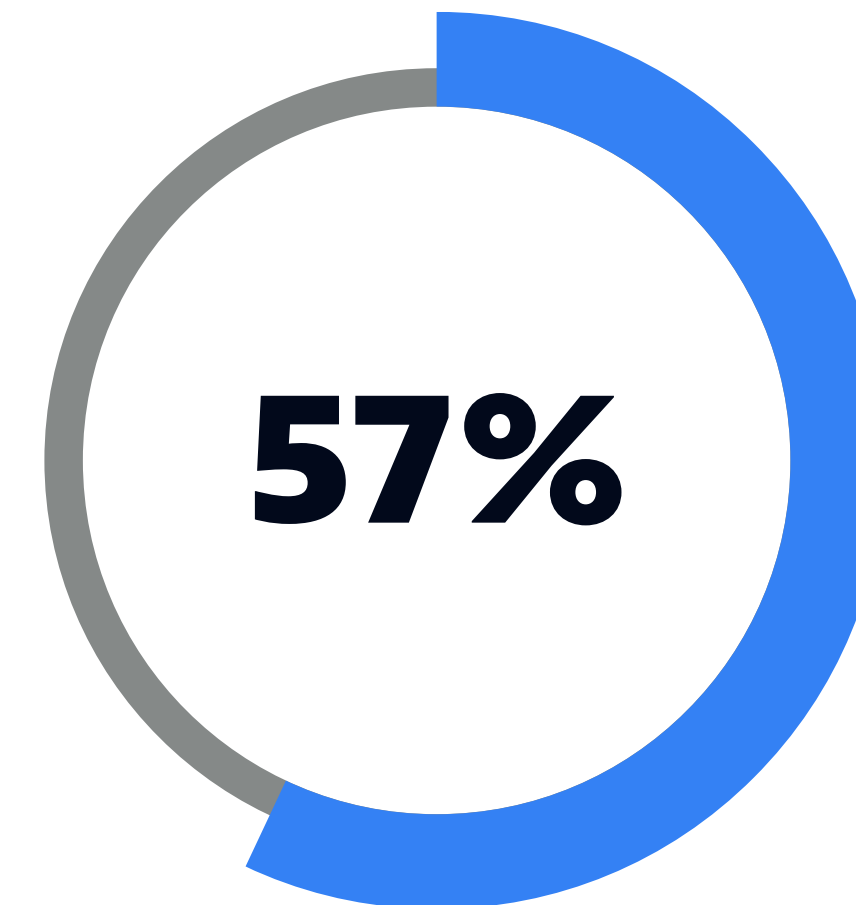
of IT leaders say **manual instrumentation and configuration of monitoring tools is unsustainable** in dynamic multicloud and Kubernetes environments, and teams increasingly struggle to keep up.

Unified observability and AIOps drive success

IT leaders highlight the biggest barriers to achieving large-scale cloud automation as:

70%

62%

57%

47%

30%

Integrating different monitoring solutions for legacy infrastructure and cloud environments

Conflicting data from multiple monitoring solutions hinders AI-driven decision-making

Absence of a single AI-powered platform that can drive precise automation across their multicloud environment

Inconsistent data capture/structure from use of different observability standards (e.g., custom metrics, commercial, and open-source standards), making it difficult to retain the rich context needed to achieve precise analytics

Difficulty achieving end-to-end observability across cloud platforms, hybrid-infrastructure, and container orchestration systems (e.g., Kubernetes)

The Dynatrace difference

Dynatrace combines continuous automation, AI, and observability into a single, end-to-end platform. This gives organizations visibility across their multicloud and hybrid infrastructures, and provides teams with contextual insights, continuous auto-discovery, and precise, AI-driven answers. With a single source of truth and precise root-cause analysis, infrastructure teams can refocus their time on speeding innovation, optimizing user experiences, transforming faster, and driving better business outcomes.

Why Dynatrace is radically different:

Automatic

Zero-touch configuration, continuous discovery, and topology mapping in real time, with instant answers and precise causation.

Intelligent

Explainable AI engine, Davis®, which is built into the core of the Dynatrace® platform, processes billions of dependencies for instantly precise answers, prioritized by business impact and with root-cause determinization.

Full stack

Understand all the relationships and interdependencies, top to bottom — from cloud infrastructure, applications and microservices, to end-user experience.

Enterprise scale

Automatic, enterprise-wide deployment with support for latest cloud-native architectures and role-based governance.

Methodology

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This report is based on a global survey of 1,300 CIOs / senior IT practitioners involved in infrastructure management in large enterprises with more than 1,000 employees, conducted by Coleman Parkes and commissioned by Dynatrace. The sample included 200 respondents in the U.S., 100 in Latin America, 600 in Europe, 150 in the Middle East, and 250 in Asia Pacific. For a detailed breakdown of findings by region, please refer to the global data summary appendix.

Global data summary: U.S. & Latin America

Sample includes 200 respondents from the U.S. and 50 respondents from each of Brazil and Mexico.

Chapter 1: Multicloud environments are increasingly difficult to manage

	U.S.	Brazil	Mexico
Organizations that have a multicloud infrastructure	100%	100%	100%
Organizations that have a full multicloud infrastructure	72%	84%	78%
Organizations with a hybrid infrastructure based on a mix of cloud and on-premises systems	28%	16%	22%
Average number of platforms and services within a multicloud environment	6	5	6
IT leaders say infrastructure management is an increasing drain on resources	62%	50%	58%

Global data summary: U.S. & Latin America

Sample includes 200 respondents from the U.S. and 50 respondents from each of Brazil and Mexico.

Chapter 1: Multicloud environments are increasingly difficult to manage

Cloud platforms most commonly being used by organizations	U.S.	Brazil	Mexico
AWS	58%	60%	68%
Microsoft Azure	42%	32%	32%
Google Cloud	32%	24%	8%
IBM Red Hat	9%	22%	26%
Alibaba Cloud	3%	4%	6%

Global data summary: U.S. & Latin America

Sample includes 200 respondents from the U.S. and 50 respondents from each of Brazil and Mexico.

Chapter 2: Traditional monitoring methods are unable to keep up

	U.S.	Brazil	Mexico
IT leaders say Kubernetes has made their infrastructure more dynamic and difficult to manage	72%	84%	90%
IT leaders say traditional infrastructure monitoring solutions are no longer fit for purpose	56%	66%	50%
Organizations plan to adopt open observability standards in the next two years	100%	100%	100%

Global data summary: U.S. & Latin America

Sample includes 200 respondents from the U.S. and 50 respondents from each of Brazil and Mexico.

Chapter 2: Traditional monitoring methods are unable to keep up

Open-source observability standards organizations plan to adopt	U.S.	Brazil	Mexico
OpenTelemetry	52%	36%	28%
Prometheus	37%	48%	42%
Jaeger	33%	36%	44%
Telegraf	26%	40%	28%
Open Metrics	28%	26%	28%
StatsD	22%	0%	24%
ELK Stack	18%	16%	20%

Global data summary: U.S. & Latin America

Sample includes 200 respondents from the U.S. and 50 respondents from each of Brazil and Mexico.

Chapter 3: Inefficient DIY-monitoring approaches create data overload

	U.S.	Brazil	Mexico
Number of monitoring solutions used to manage multicloud environments	7	7	8
IT leaders say observability blind-spots in hybrid environments are becoming a risk to digital transformation	66%	56%	56%
IT leaders say multiple monitoring solutions make it difficult to optimize multicloud infrastructure performance	60%	56%	48%

Global data summary: U.S. & Latin America

Sample includes 200 respondents from the U.S. and 50 respondents from each of Brazil and Mexico.

Chapter 4: Unified observability and AIOps drive success

	U.S.	Brazil	Mexico
Proportion of IT teams time spent on manual work to 'keep the lights on' across infrastructure	40.5%	40%	43%
IT leaders say manual configuration and instrumentation of monitoring solutions is unsustainable in multicloud and Kubernetes environments	62%	64%	70%

Global data summary: U.S. & Latin America

Sample includes 200 respondents from the U.S. and 50 respondents from each of Brazil and Mexico.

Chapter 4: Unified observability and AIOps drive success

Biggest barriers to achieving large scale cloud automation	U.S.	Brazil	Mexico
Challenges integrating different monitoring solutions for legacy infrastructure and cloud environments	70%	66%	58%
Multiple, often conflicting data from multiple monitoring solutions hinders AI-driven decision-making	54%	54%	62%
Absence of a single AI-powered platform that can drive precise automation across our multicloud environment	46%	52%	58%
Inconsistent data capture/structure from use of different observability standards (e.g., custom metrics, commercial, and open-source standards), making it difficult to retain the rich context needed to achieve precise analytics	57%	40%	58%
Difficulty achieving end-to-end observability across cloud platforms, hybrid-infrastructure, and container orchestration systems (e.g., Kubernetes)	28%	32%	24%

Global data summary: Europe

Sample includes 100 respondents from each of the UK, France, Germany, Italy, and Spain,
and 25 respondents from each of Sweden, Denmark, Finland, and Norway.

Chapter 1: Multicloud environments are increasingly difficult to manage

	UK	France	Germany	Italy	Spain	Sweden	Denmark	Finland	Norway
Organizations that have a multicloud infrastructure	99%	100%	100%	100%	100%	96%	100%	100%	100%
Organizations that have a full multicloud infrastructure	66%	82%	86%	71%	74%	88%	92%	84%	96%
Organizations with a hybrid infrastructure based on a mix of cloud and on-premises systems	33%	18%	14%	29%	26%	8%	8%	16%	4%
Average number of platforms and services within a multicloud environment	6	6	6	6	5	5	5	6	6
IT leaders say infrastructure management is an increasing drain on resources	50%	62%	55%	52%	63%	48%	48%	40%	72%

Global data summary: Europe

Sample includes 100 respondents from each of the UK, France, Germany, Italy, and Spain,
and 25 respondents from each of Sweden, Denmark, Finland, and Norway.

Chapter 1: Multicloud environments are increasingly difficult to manage

Cloud platforms most commonly being used by organizations	UK	France	Germany	Italy	Spain	Sweden	Denmark	Finland	Norway
AWS	47%	54%	62%	68%	53%	72%	60%	64%	44%
Microsoft Azure	38%	37%	38%	39%	40%	44%	48%	28%	40%
Google Cloud	23%	13%	23%	25%	28%	20%	20%	20%	20%
IBM Red Hat	15%	9%	11%	22%	22%	4%	4%	8%	4%
Alibaba Cloud	2%	2%	4%	7%	5%	0%	8%	0%	12%

Global data summary: Europe

Sample includes 100 respondents from each of the UK, France, Germany, Italy, and Spain,
and 25 respondents from each of Sweden, Denmark, Finland, and Norway.

Chapter 2: Traditional monitoring methods are unable to keep up

	UK	France	Germany	Italy	Spain	Sweden	Denmark	Finland	Norway
IT leaders say Kubernetes has made their infrastructure more dynamic and difficult to manage	88%	95%	83%	81%	85%	80%	88%	72%	88%
IT leaders say traditional infrastructure monitoring solutions are no longer fit for purpose	48%	65%	60%	53%	52%	60%	56%	84%	52%
Organizations plan to adopt open observability standards in the next two years	100%	100%	100%	100%	100%	100%	100%	100%	100%

Global data summary: Europe

Sample includes 100 respondents from each of the UK, France, Germany, Italy, and Spain,
and 25 respondents from each of Sweden, Denmark, Finland, and Norway.

Chapter 2: Traditional monitoring methods are unable to keep up

Open-source observability standards organizations plan to adopt	UK	France	Germany	Italy	Spain	Sweden	Denmark	Finland	Norway
OpenTelemetry	30%	39%	46%	38%	18%	64%	48%	56%	56%
Prometheus	33%	42%	37%	42%	34%	48%	48%	16%	48%
Jaeger	25%	29%	32%	31%	32%	48%	36%	32%	36%
Telegraf	22%	34%	23%	27%	36%	12%	20%	36%	24%
Open Metrics	22%	21%	23%	29%	31%	12%	28%	36%	16%
StatsD	17%	30%	19%	21%	25%	20%	24%	28%	20%
ELK Stack	19%	21%	23%	22%	19%	16%	16%	24%	0%

Global data summary: Europe

Sample includes 100 respondents from each of the UK, France, Germany, Italy, and Spain,
and 25 respondents from each of Sweden, Denmark, Finland, and Norway.

Chapter 3: Inefficient DIY-monitoring approaches create data overload

	UK	France	Germany	Italy	Spain	Sweden	Denmark	Finland	Norway
Number of monitoring solutions used to manage multicloud environments	7	8	8	7	7	7	7	7	7
IT leaders say observability blind-spots in hybrid environments are becoming a risk to digital transformation	61%	60%	56%	66%	60%	52%	56%	68%	68%
IT leaders say multiple monitoring solutions make it difficult to optimize multicloud infrastructure performance	63%	60%	59%	48%	42%	52%	44%	60%	56%

Global data summary: Europe

Sample includes 100 respondents from each of the UK, France, Germany, Italy, and Spain,
and 25 respondents from each of Sweden, Denmark, Finland, and Norway.

Chapter 4: Unified observability and AIOps drive success

	UK	France	Germany	Italy	Spain	Sweden	Denmark	Finland	Norway
Proportion of IT teams time spent on manual work to 'keep the lights on' across infrastructure	43%	42%	42.5%	40%	41%	40%	39%	39.5%	40%
IT leaders say manual configuration and instrumentation of monitoring solutions is unsustainable in multicloud and Kubernetes environments	44%	65%	48%	56%	66%	56%	56%	80%	60%

Global data summary: Europe

Sample includes 100 respondents from each of the UK, France, Germany, Italy, and Spain,
and 25 respondents from each of Sweden, Denmark, Finland, and Norway.

Chapter 4: Unified observability and AIOps drive success

Biggest barriers to achieving large scale cloud automation	UK	France	Germany	Italy	Spain	Sweden	Denmark	Finland	Norway
Challenges integrating different monitoring solutions for legacy infrastructure and cloud environments	77%	78%	62%	63%	68%	84%	80%	68%	80%
Multiple, often conflicting data from multiple monitoring solutions hinders AI-driven decision-making	54%	58%	61%	53%	58%	68%	76%	56%	60%
Absence of a single AI-powered platform that can drive precise automation across our multicloud environment	58%	49%	50%	50%	53%	48%	60%	52%	44%
Inconsistent data capture/structure from use of different observability standards (e.g., custom metrics, commercial, and open-source standards), making it difficult to retain the rich context needed to achieve precise analytics	34%	39%	52%	45%	43%	40%	28%	76%	56%
Difficulty achieving end-to-end observability across cloud platforms, hybrid-infrastructure, and container orchestration systems (e.g., Kubernetes)	28%	25%	31%	24%	19%	48%	32%	44%	48%

Global data summary: Middle East

Sample includes 50 respondents from the UAE, and 20 respondents from each of Egypt, Qatar, Kuwait, Saudi Arabia, and Bahrain (grouped together as 'Rest of Middle East' in the tables below).

Chapter 1: Multicloud environments are increasingly difficult to manage

	UAE	Rest of Middle East
Organizations that have a multicloud infrastructure	98%	100%
Organizations that have a full multicloud infrastructure	80%	81%
Organizations with a hybrid infrastructure based on a mix of cloud and on-premises systems	18%	19%
Average number of platforms and services within a multicloud environment	5	5
IT leaders say infrastructure management is an increasing drain on resources	72%	62%

Global data summary: Middle East

Sample includes 50 respondents from the UAE, and 20 respondents from each of Egypt, Qatar, Kuwait, Saudi Arabia, and Bahrain (grouped together as 'Rest of Middle East' in the tables below).

Chapter 1: Multicloud environments are increasingly difficult to manage

Cloud platforms most commonly being used by organizations	UAE	Rest of Middle East
AWS	76%	60%
Microsoft Azure	46%	54%
Google Cloud	24%	26%
IBM Red Hat	8%	2%
Alibaba Cloud	4%	0%

Global data summary: Middle East

Sample includes 50 respondents from the UAE, and 20 respondents from each of Egypt, Qatar, Kuwait, Saudi Arabia, and Bahrain (grouped together as 'Rest of Middle East' in the tables below).

Chapter 2: Traditional monitoring methods are unable to keep up

	UAE	Rest of Middle East
IT leaders say Kubernetes has made their infrastructure more dynamic and difficult to manage	76%	84%
IT leaders say traditional infrastructure monitoring solutions are no longer fit for purpose	52%	60%
Organizations plan to adopt open observability standards in the next two years	100%	100%

Global data summary: Middle East

Sample includes 50 respondents from the UAE, and 20 respondents from each of Egypt, Qatar, Kuwait, Saudi Arabia, and Bahrain (grouped together as 'Rest of Middle East' in the tables below).

Chapter 2: Traditional monitoring methods are unable to keep up

Open-source observability standards organizations plan to adopt	UAE	Rest of Middle East
OpenTelemetry	76%	71%
Prometheus	72%	71%
Jaeger	54%	68%
Telegraf	26%	18%
Open Metrics	22%	22%
StatsD	6%	10%
ELK Stack	6%	14%

Global data summary: Middle East

Sample includes 50 respondents from the UAE, and 20 respondents from each of Egypt, Qatar, Kuwait, Saudi Arabia, and Bahrain (grouped together as 'Rest of Middle East' in the tables below).

Chapter 3: Inefficient DIY-monitoring approaches create data overload

	UAE	Rest of Middle East
Number of monitoring solutions used to manage multicloud environments	7	8
IT leaders say observability blind-spots in hybrid environments are becoming a risk to digital transformation	54%	60%
IT leaders say multiple monitoring solutions make it difficult to optimize multicloud infrastructure performance	60%	58%

Global data summary: Middle East

Sample includes 50 respondents from the UAE, and 20 respondents from each of Egypt, Qatar, Kuwait, Saudi Arabia, and Bahrain (grouped together as 'Rest of Middle East' in the tables below).

Chapter 4: Unified observability and AIOps drive success

	UAE	Rest of Middle East
Proportion of IT teams time spent on manual work to 'keep the lights on' across infrastructure	42%	42%
IT leaders say manual configuration and instrumentation of monitoring solutions is unsustainable in multicloud and Kubernetes environments	60%	64%

Global data summary: Middle East

Sample includes 50 respondents from the UAE, and 20 respondents from each of Egypt, Qatar, Kuwait, Saudi Arabia, and Bahrain (grouped together as 'Rest of Middle East' in the tables below).

Chapter 4: Unified observability and AIOps drive success

Biggest barriers to achieving large scale cloud automation	UAE	Rest of Middle East
Challenges integrating different monitoring solutions for legacy infrastructure and cloud environments	74%	78%
Multiple, often conflicting data from multiple monitoring solutions hinders AI-driven decision-making	66%	77%
Absence of a single AI-powered platform that can drive precise automation across our multicloud environment	70%	64%
Inconsistent data capture/structure from use of different observability standards (e.g., custom metrics, commercial, and open-source standards), making it difficult to retain the rich context needed to achieve precise analytics	48%	57%
Difficulty achieving end-to-end observability across cloud platforms, hybrid-infrastructure, and container orchestration systems (e.g., Kubernetes)	38%	54%

Global data summary: Asia Pacific

Sample includes 100 respondents from Australia
and 50 respondents from each of Singapore, India, and Malaysia.

Chapter 1: Multicloud environments are increasingly difficult to manage

	Australia	Singapore	India	Malaysia
Organizations that have a multicloud infrastructure	97%	100%	100%	100%
Organizations that have a full multicloud infrastructure	90%	86%	78%	88%
Organizations with a hybrid infrastructure based on a mix of cloud and on-premises systems	7%	14%	22%	8%
Average number of platforms and services within a multicloud environment	5	5	5	4
IT leaders say infrastructure management is an increasing drain on resources	53%	54%	62%	58%

Global data summary: Asia Pacific

Sample includes 100 respondents from Australia
and 50 respondents from each of Singapore, India, and Malaysia.

Chapter 1: Multicloud environments are increasingly difficult to manage

Cloud platforms most commonly being used by organizations	Australia	Singapore	India	Malaysia
AWS	78%	76%	64%	78%
Microsoft Azure	72%	74%	80%	74%
Google Cloud	13%	2%	34%	16%
IBM Red Hat	2%	0%	10%	2%
Alibaba Cloud	6%	8%	8%	10%

Global data summary: Asia Pacific

Sample includes 100 respondents from Australia
and 50 respondents from each of Singapore, India, and Malaysia.

Chapter 2: Traditional monitoring methods are unable to keep up

	Australia	Singapore	India	Malaysia
IT leaders say Kubernetes has made their infrastructure more dynamic and difficult to manage	76%	72%	68%	80%
IT leaders say traditional infrastructure monitoring solutions are no longer fit for purpose	50%	52%	56%	48%
Organizations plan to adopt open observability standards in the next two years	100%	100%	100%	100%

Global data summary: Asia Pacific

Sample includes 100 respondents from Australia
and 50 respondents from each of Singapore, India, and Malaysia.

Chapter 2: Traditional monitoring methods are unable to keep up

Open-source observability standards organizations plan to adopt	Australia	Singapore	India	Malaysia
OpenTelemetry	85%	92%	94%	94%
Prometheus	87%	92%	86%	88%
Jaeger	88%	88%	84%	94%
Telegraf	12%	18%	16%	16%
Open Metrics	5%	6%	16%	6%
StatsD	2%	0%	6%	0%
ELK Stack	2%	0%	6%	2%

Global data summary: Asia Pacific

Sample includes 100 respondents from Australia
and 50 respondents from each of Singapore, India, and Malaysia.

Chapter 3: Inefficient DIY-monitoring approaches create data overload

	Australia	Singapore	India	Malaysia
Number of monitoring solutions used to manage multicloud environments	7	7	7	7
IT leaders say observability blind-spots in hybrid environments are becoming a risk to digital transformation	54%	68%	62%	64%
IT leaders say multiple monitoring solutions make it difficult to optimize multicloud infrastructure performance	55%	62%	72%	60%

Global data summary: Asia Pacific

Sample includes 100 respondents from Australia
and 50 respondents from each of Singapore, India, and Malaysia.

Chapter 4: Unified observability and AIOps drive success

	Australia	Singapore	India	Malaysia
Proportion of IT teams time spent on manual work to 'keep the lights on' across infrastructure	43%	43%	44%	44%
IT leaders say manual configuration and instrumentation of monitoring solutions is unsustainable in multicloud and Kubernetes environments	47%	50%	44%	44%

Global data summary: Asia Pacific

Sample includes 100 respondents from Australia
and 50 respondents from each of Singapore, India, and Malaysia.

Chapter 4: Unified observability and AIOps drive success

Biggest barriers to achieving large scale cloud automation	Australia	Singapore	India	Malaysia
Challenges integrating different monitoring solutions for legacy infrastructure and cloud environments	69%	78%	62%	64%
Multiple, often conflicting data from multiple monitoring solutions hinders AI-driven decision-making	72%	68%	68%	80%
Absence of a single AI-powered platform that can drive precise automation across our multicloud environment	67%	74%	74%	76%
Inconsistent data capture/structure from use of different observability standards (e.g., custom metrics, commercial, and open-source standards), making it difficult to retain the rich context needed to achieve precise analytics	37%	28%	44%	50%
Difficulty achieving end-to-end observability across cloud platforms, hybrid-infrastructure, and container orchestration systems (e.g., Kubernetes)	29%	12%	22%	30%

Automatic and intelligent observability for hybrid multiclouds

We hope this ebook has inspired you to take the next step in your digital journey.

Dynatrace is committed to providing enterprises the data and intelligence they need to be successful with their enterprise cloud and digital transformation initiatives, no matter how complex.

Learn more

If you are ready to learn more, please visit www.dynatrace.com/platform for assets, resources, and a **free 15-day trial.**

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About Dynatrace

Dynatrace provides software intelligence to simplify cloud complexity and accelerate digital transformation. With automatic and intelligent observability at scale, our all-in-one platform delivers precise answers about the performance and security of applications, the underlying infrastructure, and the experience of all users to enable organizations to innovate faster, collaborate more efficiently, and deliver more value with dramatically less effort. That's why many of the world's largest enterprises trust Dynatrace® to modernize and automate cloud operations, release better software faster, and deliver unrivalled digital experiences.

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