

# Taming the complexity of Web-Scale IoT Applications

A 2018 Global CIO Report



Based on a global survey of 800 CIOs

## Intro

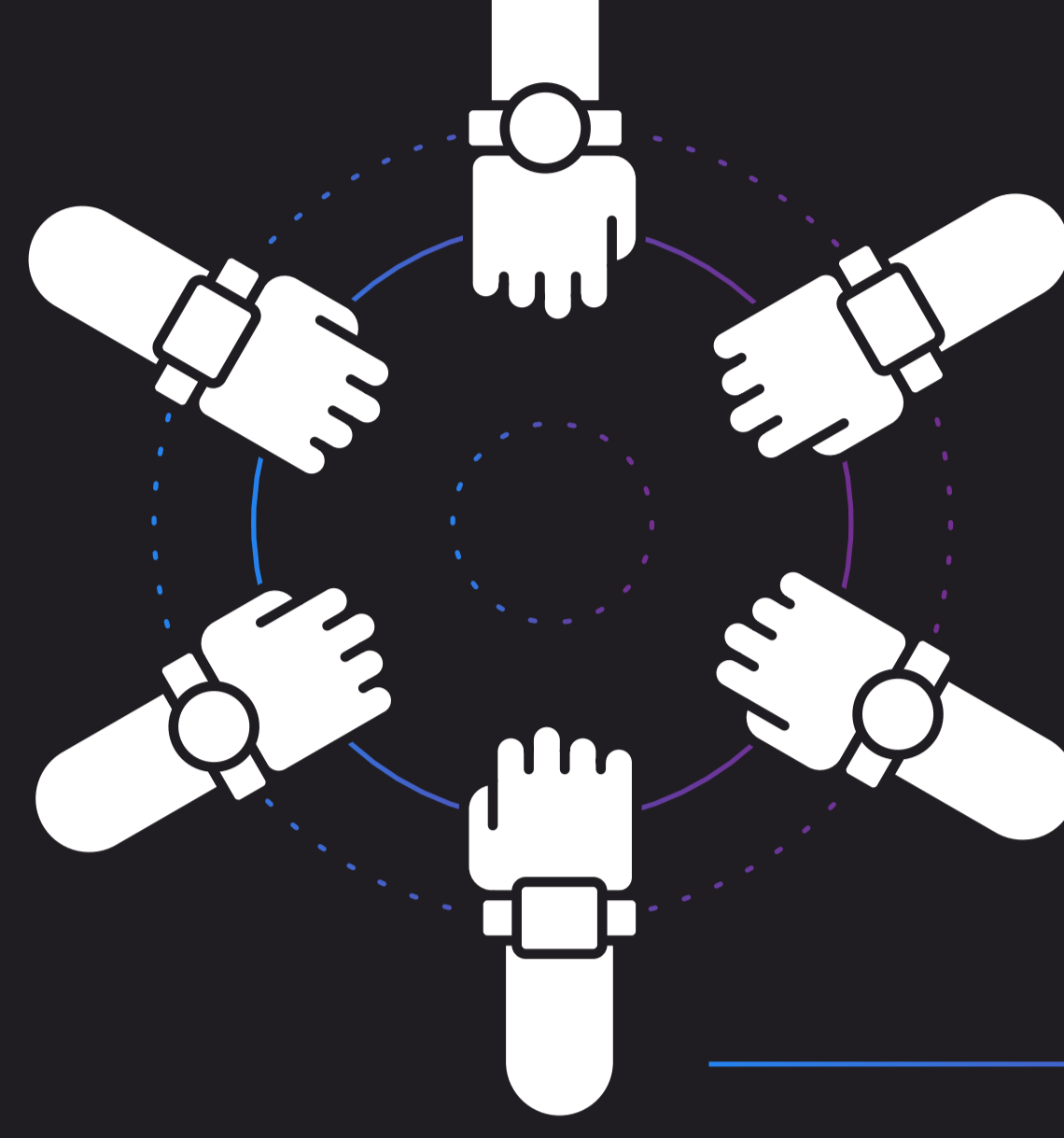
The Internet of Things (IoT) is currently growing in its capabilities but it's also becoming exponentially complex as well. This complexity creates real world problems that can negatively impact all of us.

Below are the key findings from a global survey of 800 CIOs. These findings outline the challenges organizations face as they begin to explore and deploy the IoT.

## IoT exponentially increases IT complexity

**69%**

of CIO's predicted that IoT will become a major performance management burden, as they struggle to overcome the escalating complexity of their modern enterprise cloud ecosystems



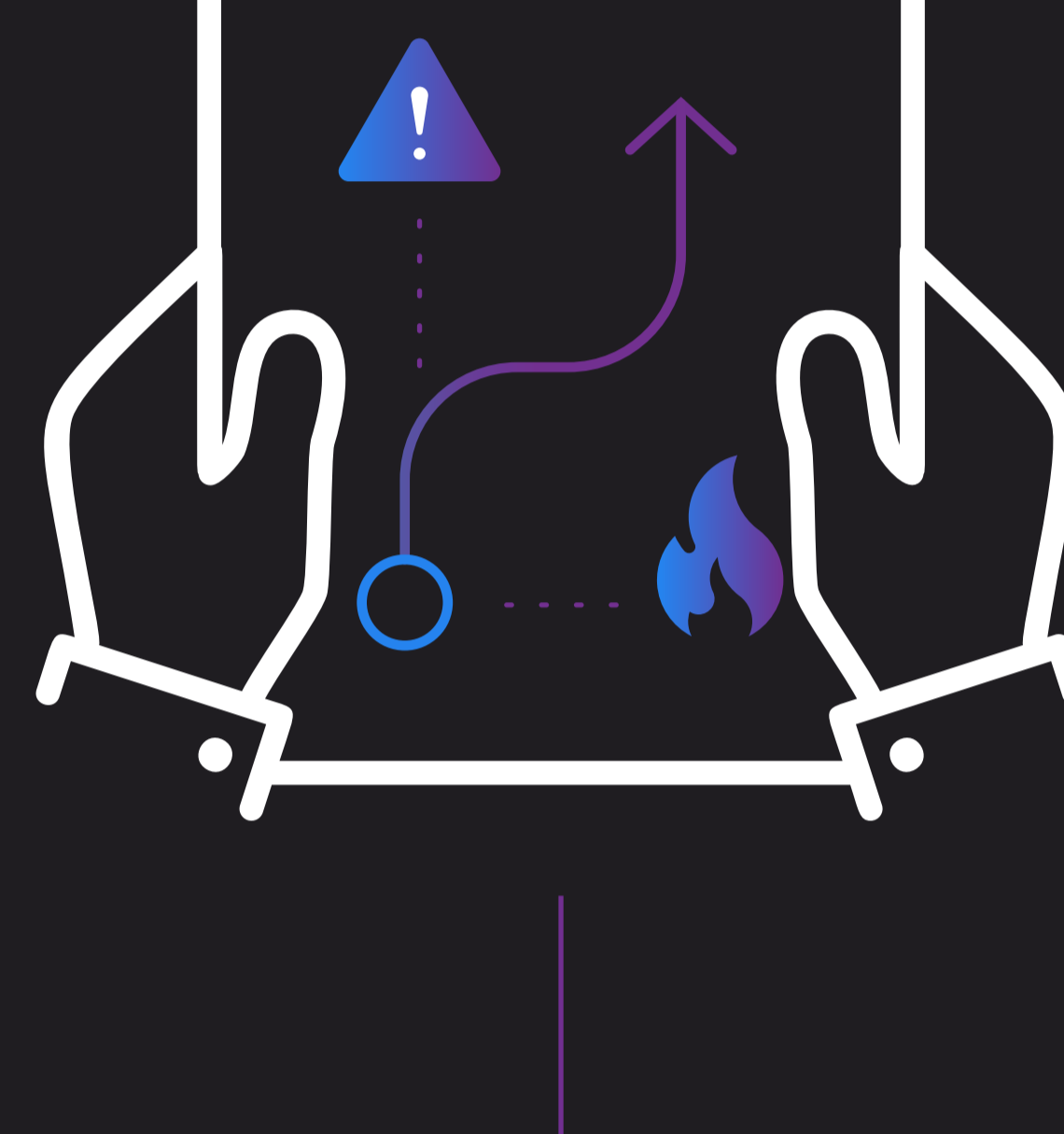
**64%**

of CIO's are worried that spiraling numbers of wearables could soon make it impossible to manage mobile performance

## IoT problems will have severe, real-world consequences

**74%**

of CIO's think that IoT performance problems will directly impact business operations and significantly damage revenues



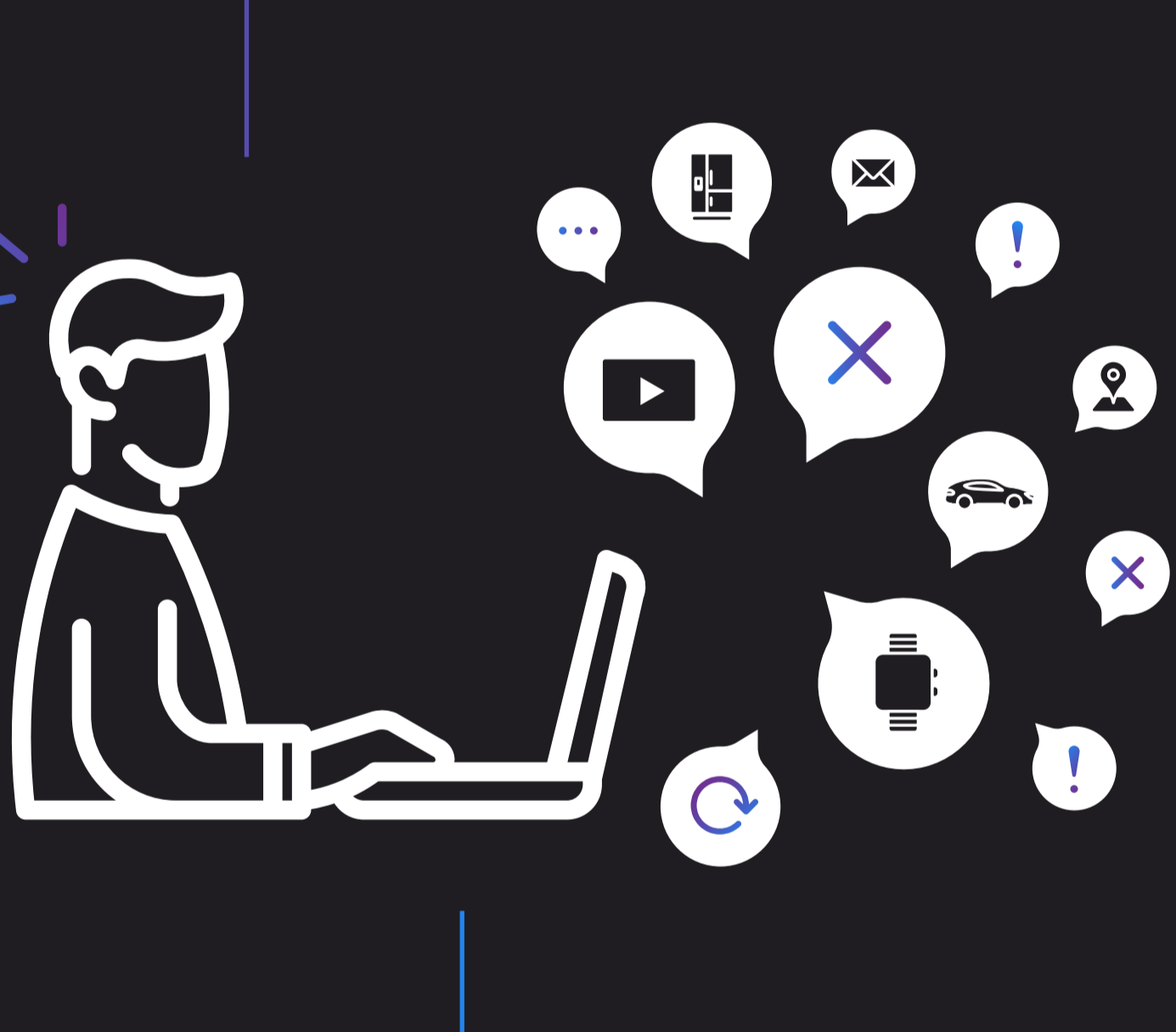
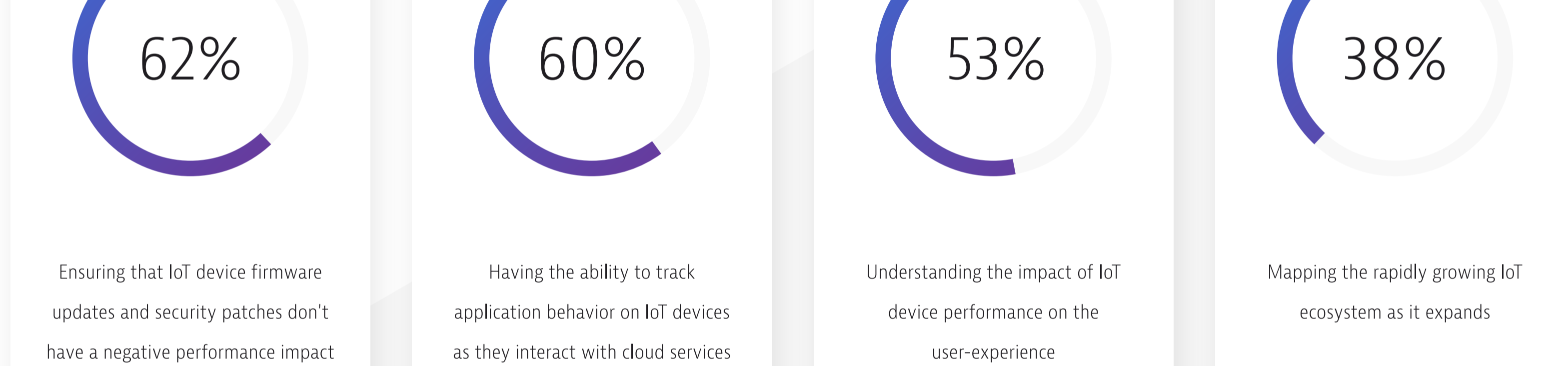
## Performance blind spots put IoT strategies at risk

**54%**

of CIO's think there is a risk that organizations could roll-out IoT strategies without having a plan or solution in place to manage its performance, with a further **21%** saying there is a major risk

## IoT creates new user experience headaches

Challenges to managing user experience in IoT deployments



## Consumers will just expect IoT to work perfectly

**70%**

of CIO's worry that consumer and user expectations for faster, fault free experiences could soon increase beyond what IT teams are able to deliver

## The scale of IoT is just too big to manage

**69%**

of CIO's fear losing control over the user experience as the IoT delivery chain continues to become more convoluted



## It's impossible to manage IoT complexity manually

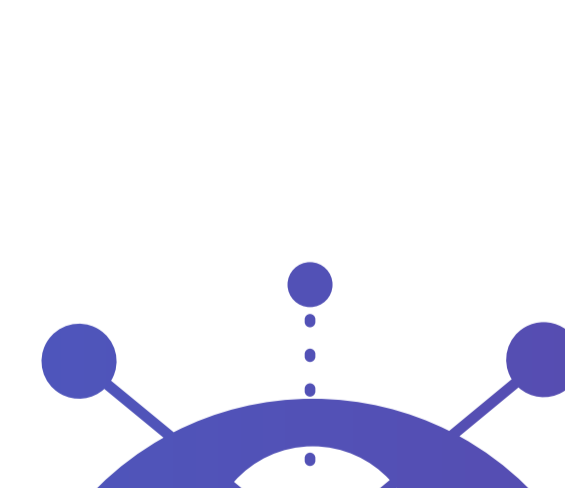
**84%**

of CIO's believe that AI capabilities and the ability to automate most of the processes that support IoT deployments will play a crucial role in the success of their IoT strategies

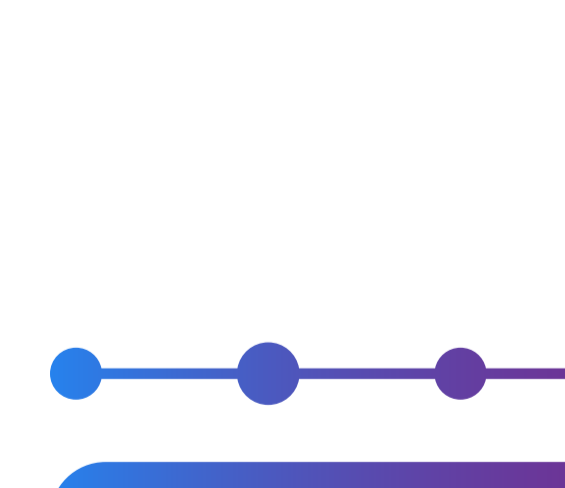
## To explore the huge opportunities IoT is creating, without fearing the consequences of complexity...



Can't afford to let IoT become a performance blind spot

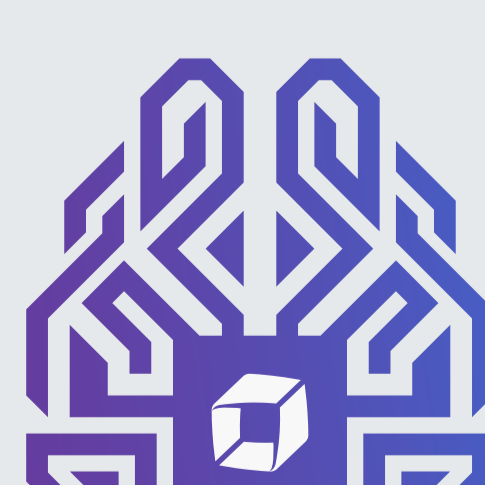


Need complete visibility and control over entire IoT ecosystem



Appreciate that this is a herculean task simply beyond human capabilities.

## How can Dynatrace help?



Dynatrace's software intelligence platform enables full-stack, end-to-end monitoring that delivers full operational insights into IoT applications and platforms



Powered by AI, Dynatrace automatically discovers the topology of entire IoT ecosystems



Smart Analysis and root cause detection provides actionable answers that help businesses instantly resolve IoT performance and availability issues

Check out the full report [here](#)