

**AT&T** Cybersecurity

# 2023 The Edge Ecosystem

The edge ecosystem is rapidly developing. While in the early stages, our research uncovers the trends to help you start strategically planning and investing for securing this dynamic shift in computing.

Based on survey results from the 2023 AT&T Cybersecurity Insights Report: Edge Ecosystem.

What are the common characteristics of edge computing?

Think of the edge ecosystem as a new opportunity for competitive differentiation and business

outcomes.

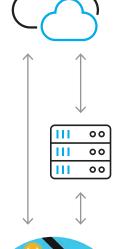
**Edge computing** use cases are increasing.

## Software defined

Private, public, on-premise, or cloud

# Data driven

Closer to user creation and



# Distributed configuration Intelligence,

networks, and management





### accelerating edge use case development Includes proof of

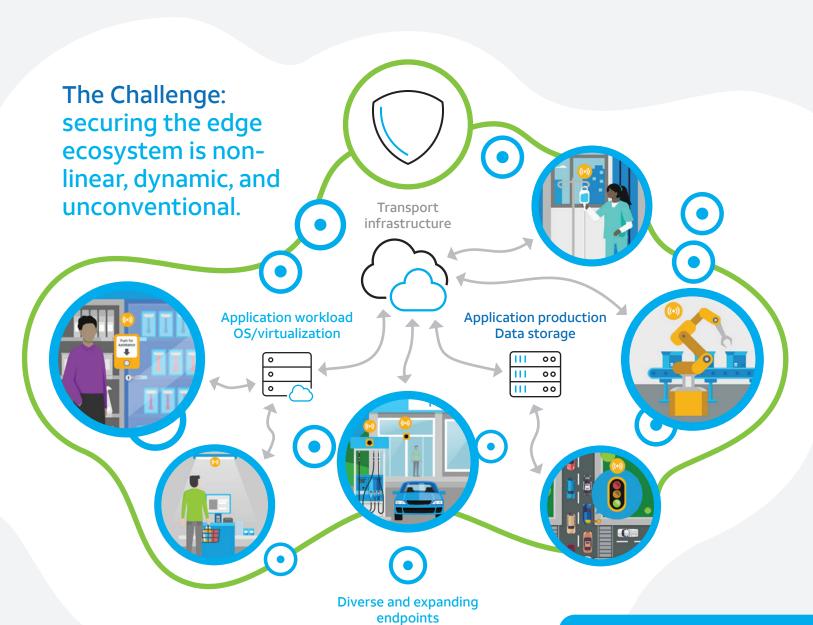
57%

concept, partial, and full implementation.

### tap common endpoints Personal computers, mobile devices, and sensors.

48%

tap emerging endpoints Industrial robots. autonomous vehicles, and machinery.



Change is inevitable. Plan to pivot.

# secure edge computing ecosystem Three key initiatives emerged as respondents reported the changes they are making.



## Respondents anticipate change

**Balanced investing** 

The Opportunity: creating a

and are allocating resources accordingly.









22%

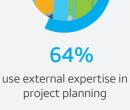
# 2

## Respondents report value in tapping both internal

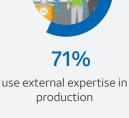
collaboration

Cross-functional

and external ecosystem expertise.



Use cases anticipated in next three years:





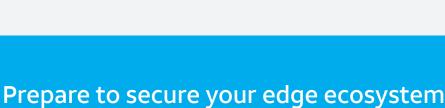
# new thinking. It's constantly evolving, and legacy thinking

Dynamic cyber resilience

The edge ecosystem requires

won't solve emerging challenges.

of use cases are IoT, IIoT and OT





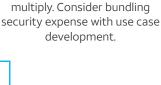


Define your edge computing profile. Work with line-

Collaborate to expand expertise and lower



**Expect to** respond



strategy. Evaluate investment

allocation as use cases

dynamically

Dynamic response is

essential. Edge requires highspeed, low-latency networks

while network functions

and cybersecurity controls

converge.





Get the 2023 AT&T Cybersecurity **Insights Report:** 



About the research Research conducted during July and August 2022. We surveyed 1,418 security practitioners from the United States, Canada, the United Kingdom, France, Germany, Ireland, Mexico, Brazil, Argentina, Australia, India, Singapore, and South Korea. Respondents come from organizations with 1,000+ employees, except for US SLED and energy and utilities verticals. Respondents were limited to those whose organizations have implemented edge use cases that use newer technologies such as 5G, robotics, virtual reality, and/ or IoT devices. Respondents are involved in decisionmaking for edge use cases, including cybersecurity, that involves new technologies such as 5G and IoT devices. For certain questions, participants could choose more than one response. In these cases, the responses do not round to exactly 100%. More information is available in