

AT&T Cybersecurity

# PROTECTING DATA IN A 5G AND EDGE WORLD

As organizations implement 5G and edge initiatives, protecting their data – wherever it is stored and across any communication channel – is a major undertaking. A team-based, Zero Trust approach can help.

(Based on survey results from AT&T Cybersecurity Insights™ Report: 5G and the Journey to the Edge)

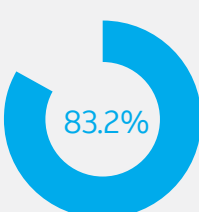
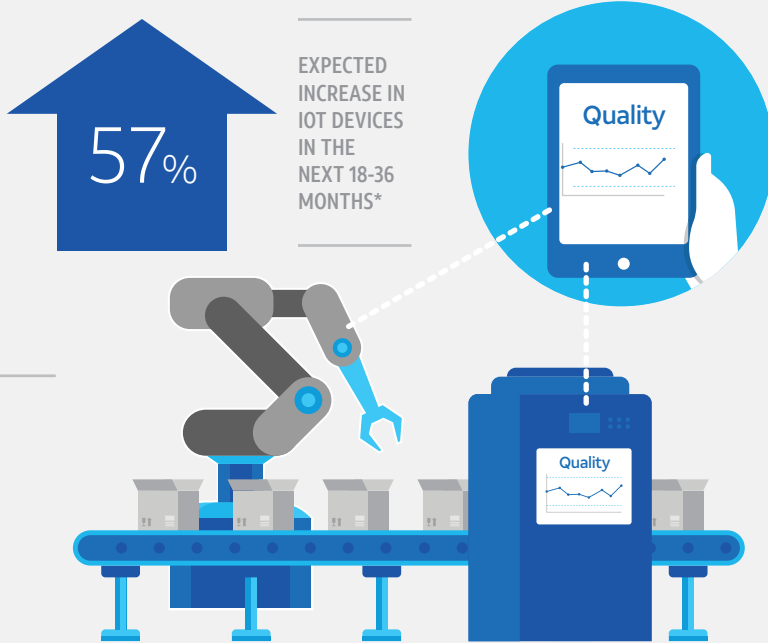
## UNLOCKING THE WEALTH OF DATA

Corporations view 5G and edge computing as advancing their ability to move, analyze, and act on data more quickly and efficiently.

### CELLULAR EDGE AND MULTI-ACCESS EDGE COMPUTING ...



## ...FROM THE EXPLOSIVE GROWTH OF IoT-CONNECTED DEVICES



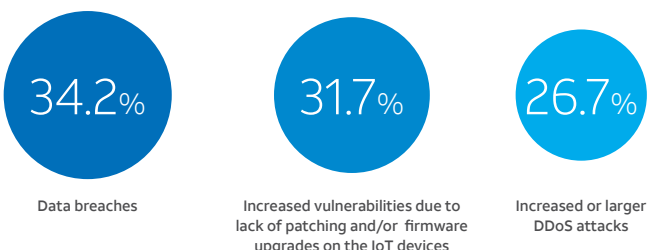
## ...WILL BRING NEW THREATS AND CHALLENGES

Of respondents believe attacks on web-based applications will be a challenge. These attacks can lead to comprised IoT devices and new attack vectors.

## SECURITY PROFESSIONALS HAVE SIGNIFICANT CONCERNS WITH IoT

Data breaches, vulnerabilities, and increased DDoS frequency top the list of concerns.

### TOP SECURITY CONCERNS WITH IOT ACROSS MULTIPLE NETWORK PROTOCOLS



## ...AND ARE PRIORITIZING DATA SECURITY

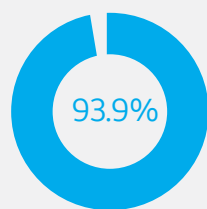
With data, applications, assets, and services (DAAS) moving closer to the edge, protecting data “at rest and in motion” is more important than ever.

### MOST IMPORTANT SECURITY CAPABILITIES AS ORGANIZATIONS TRANSITION TO 5G (SCORE FROM 1 = NOT IMPORTANT TO 5 = VERY IMPORTANT)



Almost half of the respondents see the Zero Trust approach as a way to drive ‘security-by-design.’ Over 45% believe it will help with network segmentation, to help minimize lateral movement should an incident occur.

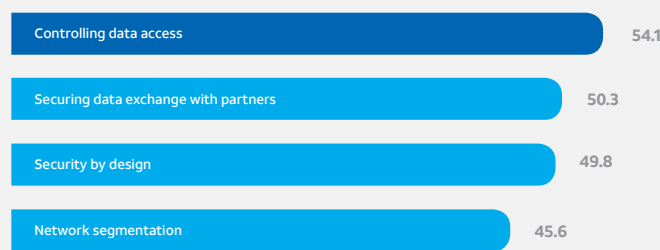
## ZERO TRUST IS EMERGING AS A CRITICAL STRATEGY



Of respondents indicate they are researching, implementing, or have completed a Zero Trust initiative already

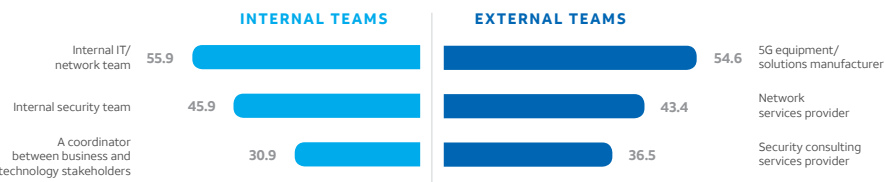
## ...TO DELIVER MORE THAN JUST ACCESS CONTROL

### ZERO TRUST WILL HELP MY ORGANIZATION WITH (%) ...

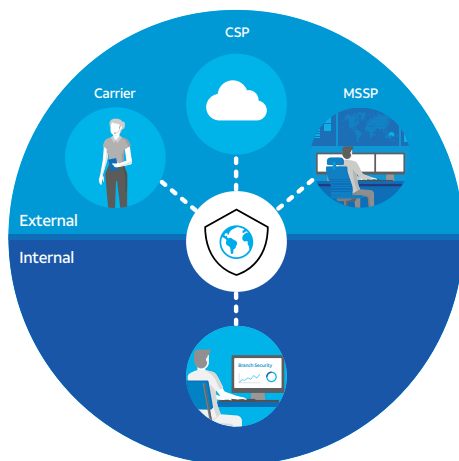


## BUT...SUCCESS DEPENDS ON A TEAM APPROACH

### SECURING 5G WILL REQUIRE INCREASED ENGAGEMENT WITH (%) :



The need for a multi-disciplinary approach to 5G and edge security is leading many organizations to look for outside assistance.



DOWNLOAD THE 2021 AT&T CYBERSECURITY INSIGHTS REPORT: 5G AND THE JOURNEY TO THE EDGE TO LEARN MORE.



Data in this infographic was sourced from the September 2020 survey results for AT&T Cybersecurity Insights™ Report: 5G and the Journey to the Edge and contains data beyond that detailed in the report.

\*These organizations completed IoT pilot programs.

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