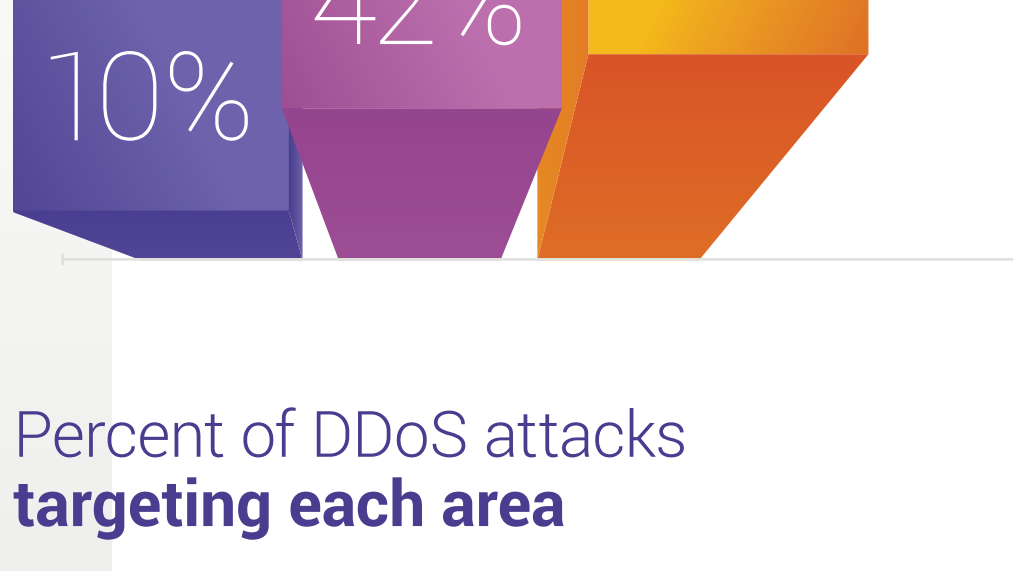


# IDG DDoS ATTACK TRENDS

Sophisticated DDoS attacks are threatening enterprises and service providers. Here is what IDG heard when its researchers asked, "What is your experience and how are you coping..."



## TRENDING: LARGER ATTACKS

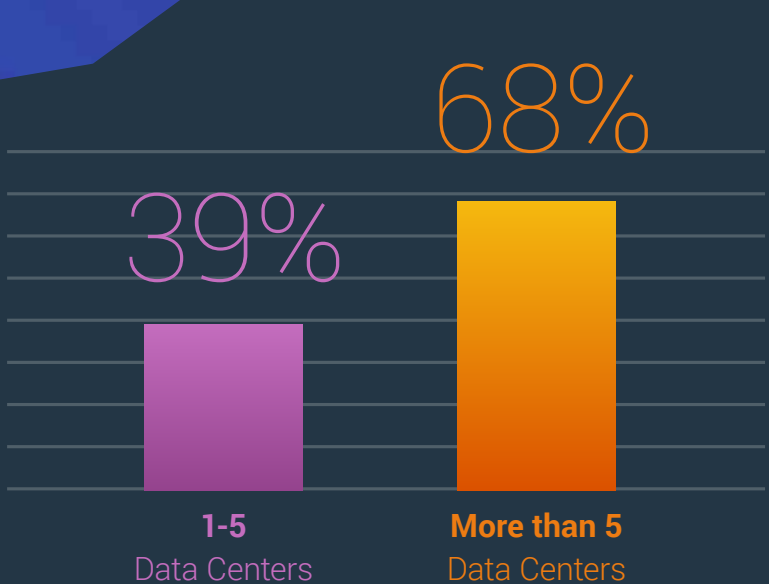
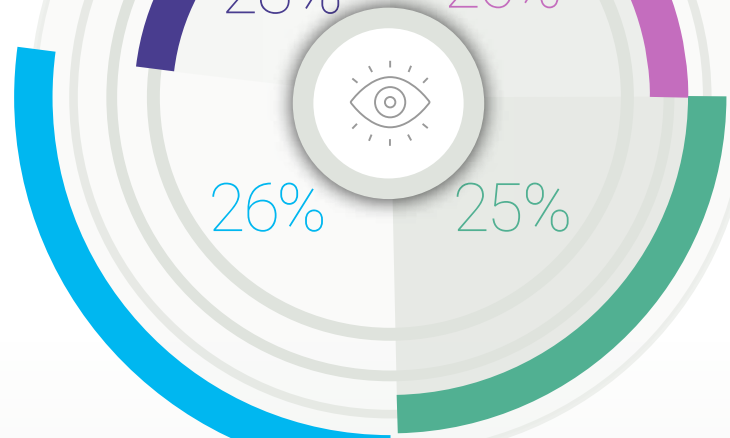


Average DDoS attacks >50 Gbps



## Percent of DDoS attacks targeting each area

- Application layer (apps, servers)
- Infrastructure services (DNS, CGNAT)
- Network capacity (targeting bandwidth)
- Network layer (firewalls, routers, etc.)



## MORE DATA CENTERS = MORE ATTACKS

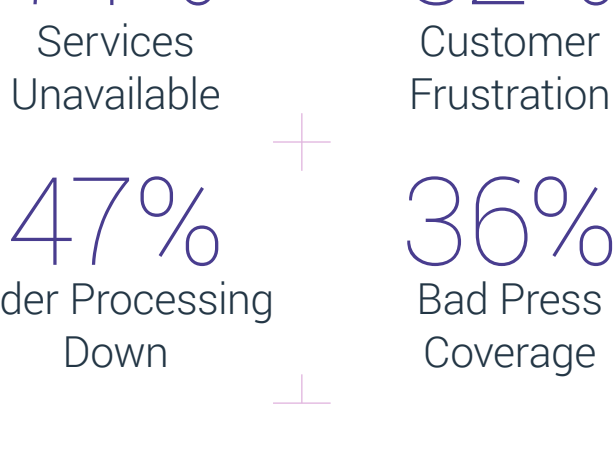
Experienced five or more DDoS attacks

Organizations with five or more data centers are more frequently targeted, and the average attack size is considerably larger.

## UDP FLOOD THE ATTACK VECTOR OF CHOICE

54% of total attacks reported in 2018

## WHAT'S THE BIGGEST DOWNSIDE OF DDoS DOWNTIME?



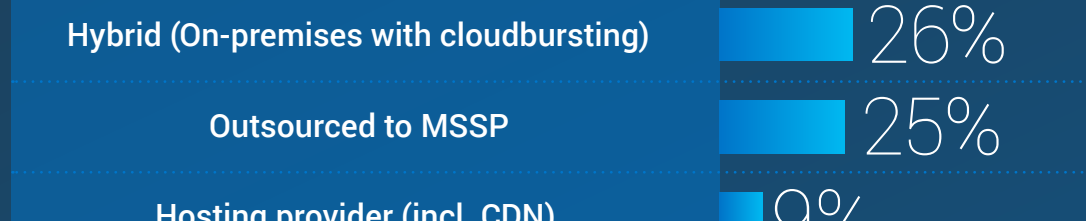
Over the past few years, downtime has shifted from being measured in days to hours and minutes.

## THE PREFERRED SOLUTION?

53 percent use two or more solutions but on-premises appliances rank #1.

As appliance use increases, the percent of other solutions hasn't changed, suggesting that appliances don't replace existing protection but reinforce it.

Preferred Solution to Address Multi-Vector DDoS Threats



## WHAT GETS IN YOUR WAY OF GETTING BETTER DDoS PROTECTION?

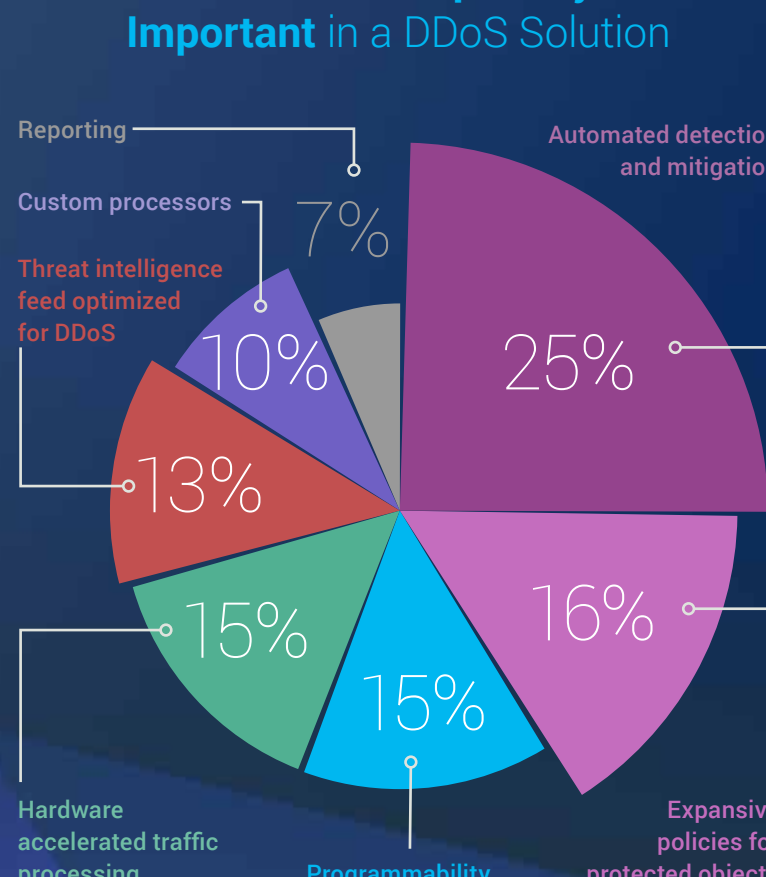


Keeping up with evolving attack types and methods is a key challenge to implementing a more effective protection.

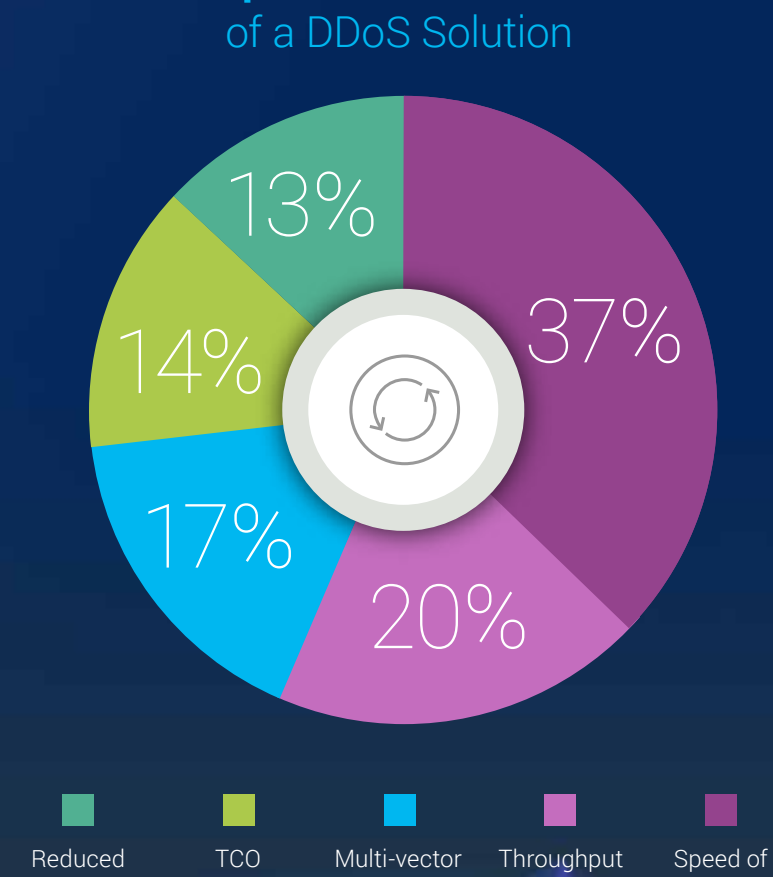
## AUTOMATION + SPEED

Automated detection and mitigation is the top solution criteria, while speedy response is the key desired benefit.

2018 Feature or Capability Most Important in a DDoS Solution



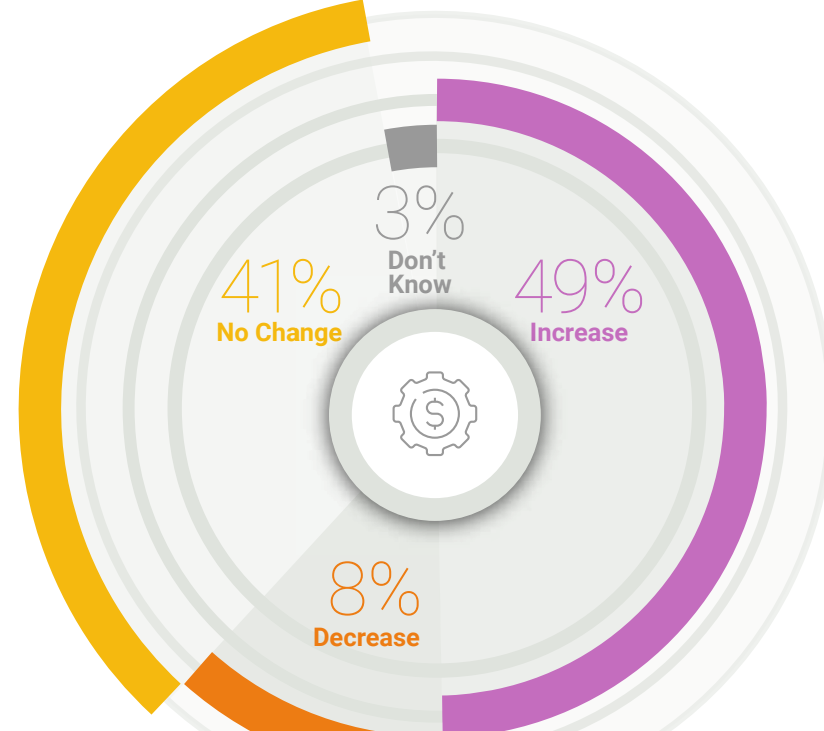
Most Important Potential Benefit of a DDoS Solution



## AS DDoS THREATS GROW, SO DO OUR BUDGETS

### Expected change in budgets to address multi-vector DDoS threats

Provisioning protection capable of taking on new and emerging threats is a top priority.



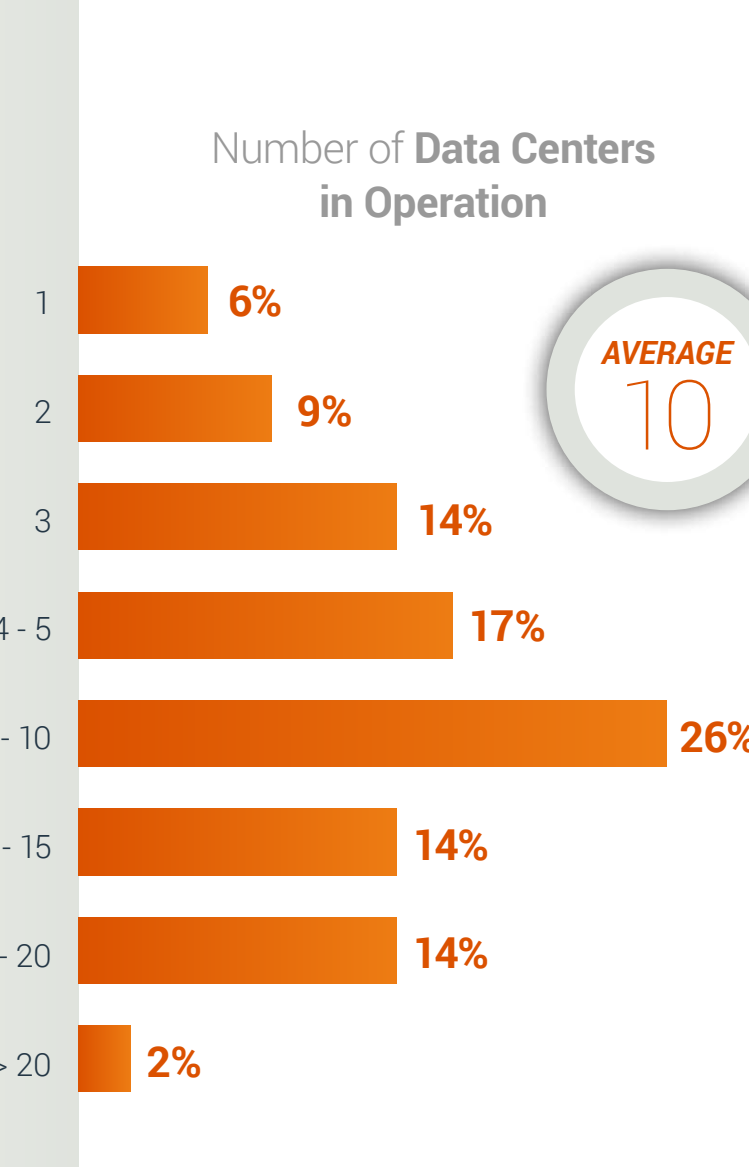
## LOOK WHO'S TALKING

IDG queried IT pros at organizations averaging 6,000+ employees

Respondent Profiles:

- > Responsibility or oversight for application service delivery, IT networking or IT security
- > CEOs (27%), CIOs (18%), and IT security executives and staff (35%)
- > Knowledgeable of:
  - Average internet access bandwidth
  - Number of data centers in operation
  - Number of DDoS attacks experienced over the past 18 months

Number of Data Centers in Operation



AVERAGE 10

## WANT TO LEARN MORE?

Download IDG's DDoS Report: Evolving Strategies for Handling Today's Complex & Costly Threats

## ABOUT A10 NETWORKS

A10 Networks (NYSE: ATEN) provides Reliable Security Always™, with a range of high-performance application networking solutions that help organizations ensure that their data center applications and networks remain highly available, accelerated and secure. Founded in 2004, A10 Networks is based in San Jose, Calif., and serves customers globally with offices worldwide.

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