

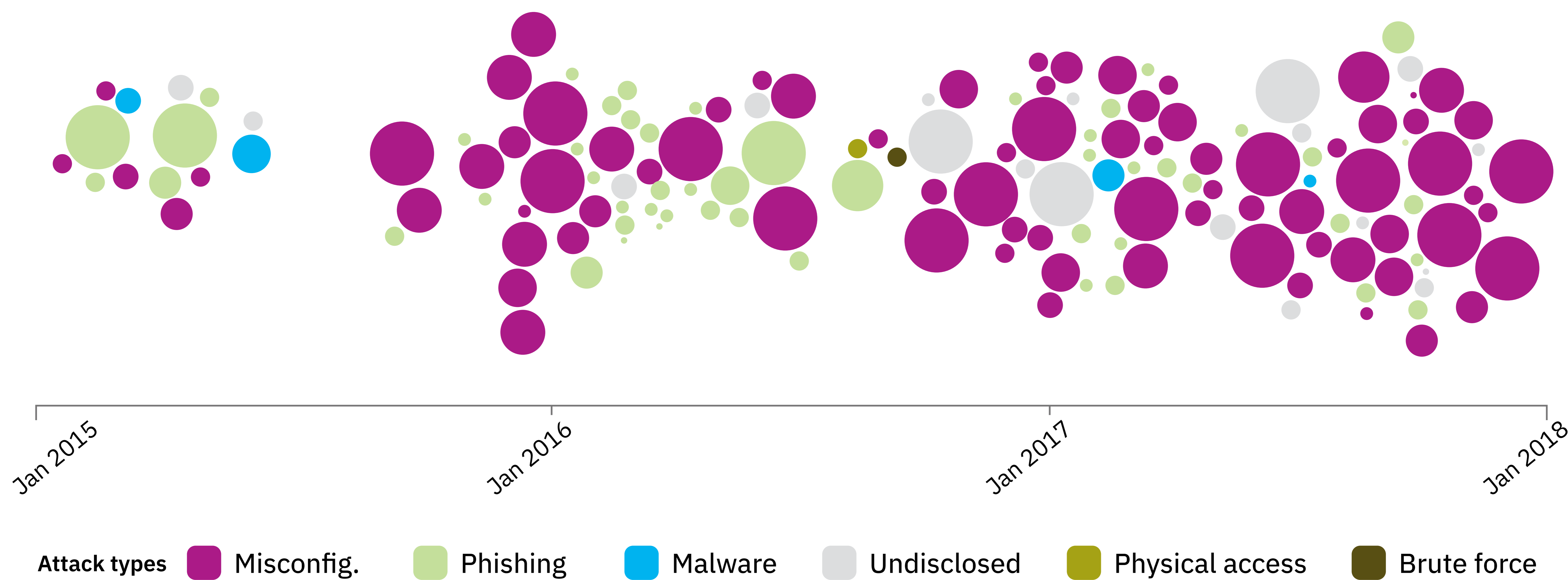
# A glimpse at 2017's notable security events

As IBM® X-Force® researchers examined the global security events of 2017, they found that **inadvertent insiders** were responsible for more than two-thirds of total records compromised; **injection attacks** took center stage in overall attack volume; attacks directed at top-targeted **industries** actually declined; and destructive **ransomworms** cost organizations billions.

Following is a brief overview of data from hundreds of millions of protected endpoints and servers, along with data derived from non-customer assets from 100 countries throughout 2017.

## Inadvertent insiders leaked billions of records

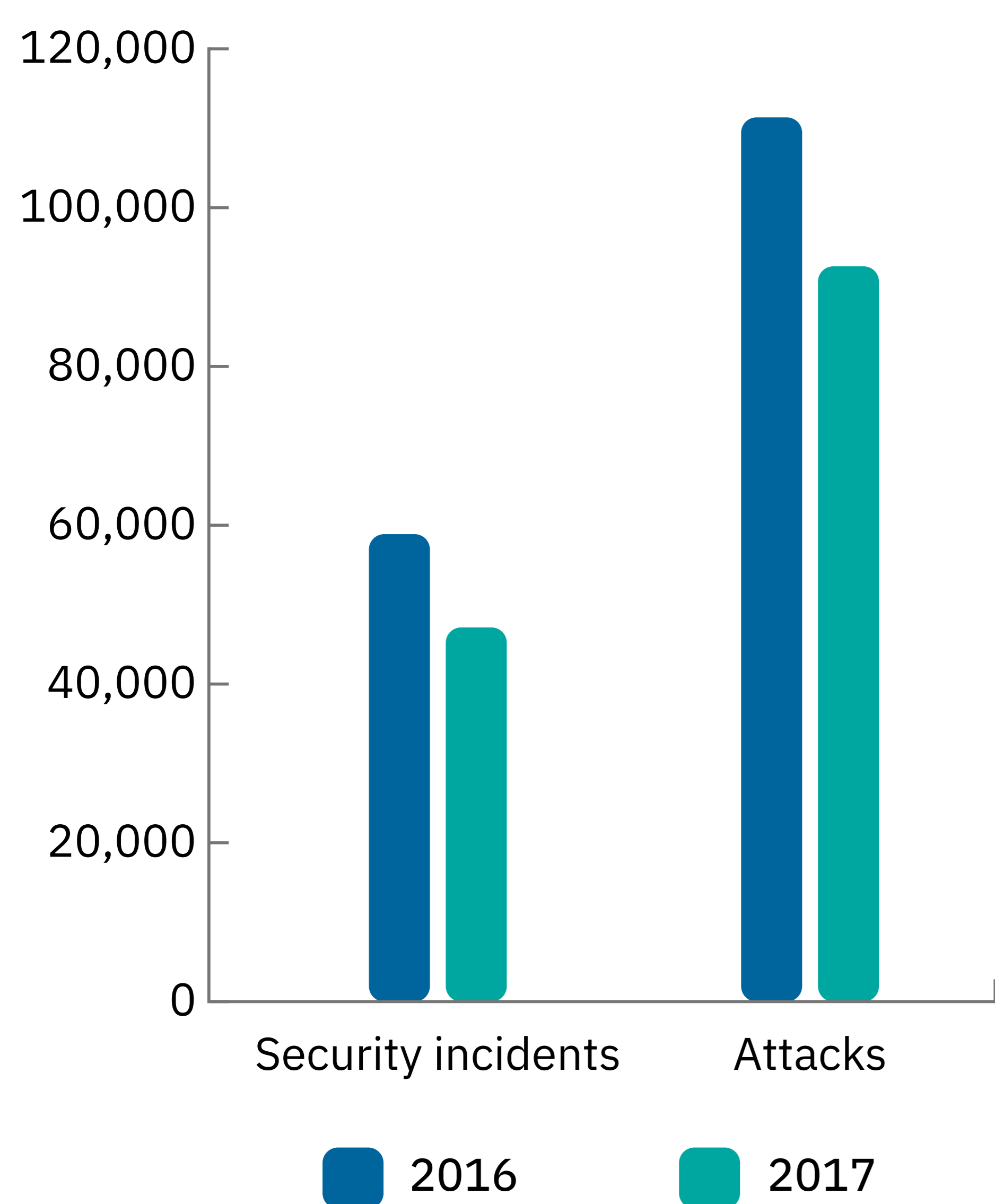
The rash of inadvertent insider incidents in 2017—especially those caused by misconfigurations—underscored the importance of cybersecurity awareness training and a proper risk assessment of cloud deployments.



Sampling of publicly disclosed security incidents as a result of inadvertent actors, 2015 through 2017

### Incidents and attacks downshifted in top-targeted industries

A significant decline in Shellshock attacks in 2017 is the major contributor to the decline in attacks and security incidents from 2016 to 2017.



Year-over-year comparison of monitored security incidents and attacks in top-targeted industries

**79%**

Amount of malicious activity triggered by injection attacks in 2017—nearly doubling the volume from 2016.

**22%**

Decrease in security incidents in top-targeted industries in 2017.

**18%**

Decrease in security attacks in top-targeted industries in 2017.

**76%**

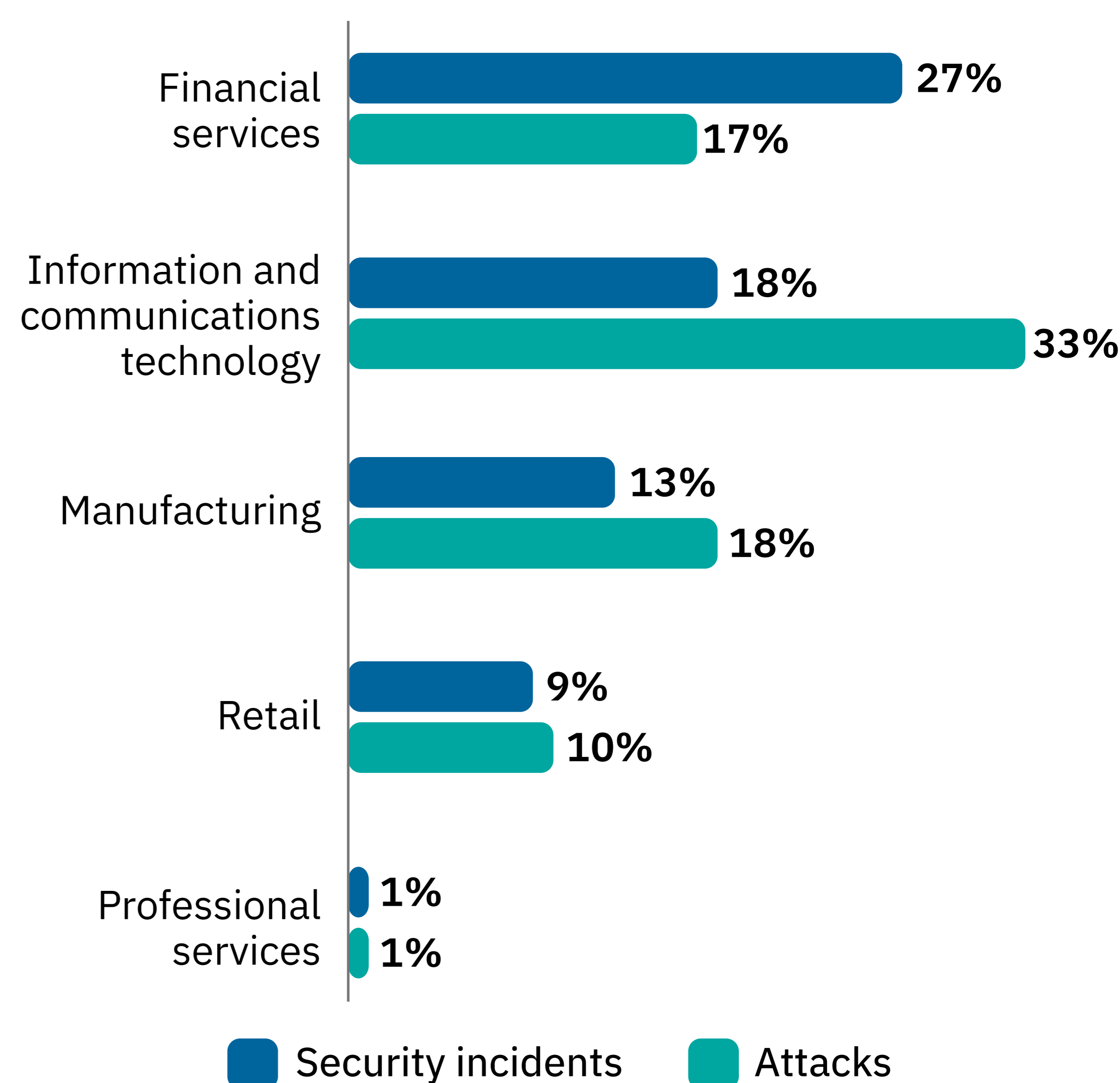
Security incidents and attacks in financial services that were caused by injection attacks.

**424%**

Increase in records compromised as a result of misconfigured cloud servers, networked backup incidents and other improperly configured systems in 2017.

### Financial services was most-targeted

Financial services topped the targeted-industry charts for the second year in a row, with the highest volume of security incidents and third-highest volume of attacks.



Top five most frequently targeted industries – Percentage of security incidents and attacks in 2017

### Ransomworms impacted millions of victims

Destructive ransomworms had a global impact and caused massive financial losses in 2017.

Destructive ransomworms took center stage among notable ransomware in 2017

### NotPetya

USD892 million in damages  
Spread to 65 countries

### Bad Rabbit

Targeted critical infrastructure

### WannaCry

Spread to 150 countries  
USD8 billion+ in damages

### For more information

IBM X-Force is the threat intelligence powerhouse behind IBM Security. X-Force researchers' findings are based on analysis of data from hundreds of millions of protected endpoints and servers, along with data derived from non-customer assets such as spam sensors and honeynets.

Learn more about the security threat landscape.

Read the IBM X-Force Threat Intelligence Index 2018.