

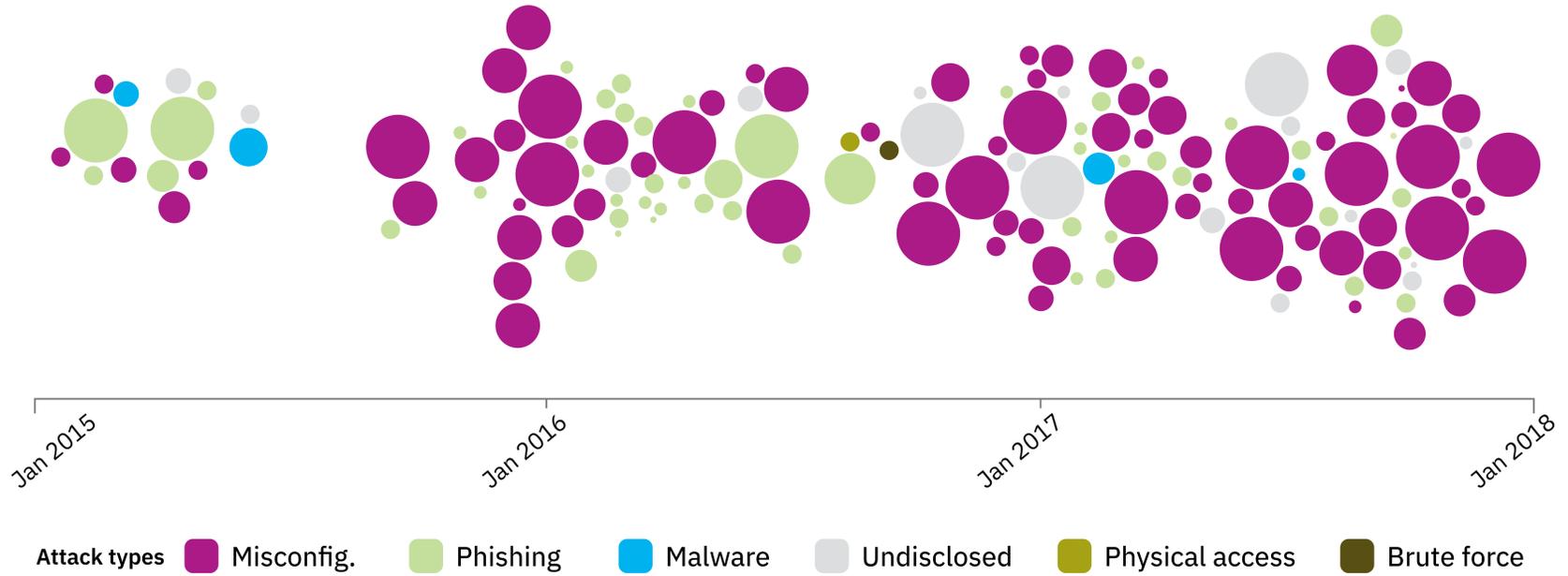
A glimpse at 2017's notable security events

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

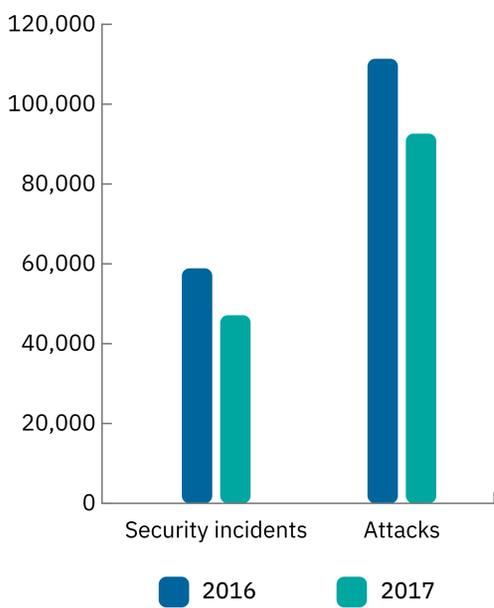
The rash of inadvertent insider incidents in 2017—especially those caused by misconfigurations—underscored the importance of cybersecurity awareness training and a proper risk assessment of cloud deployments.



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%

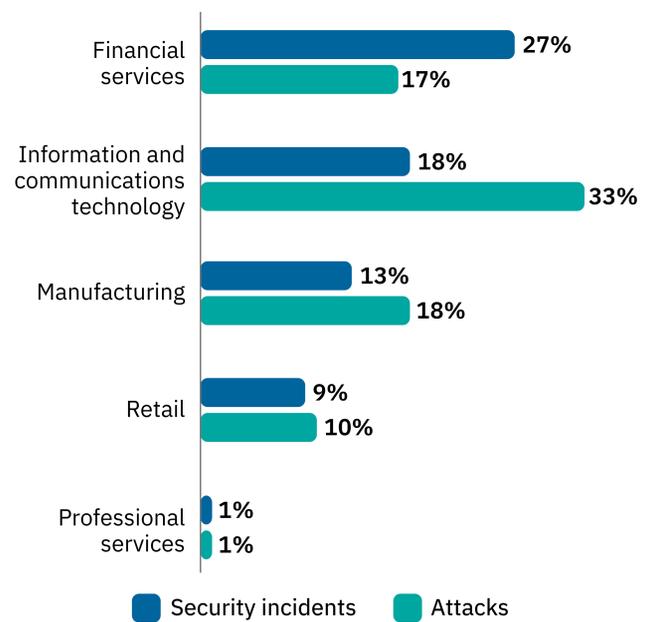
Security incidents and attacks in financial services that were caused by injection attacks.

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.