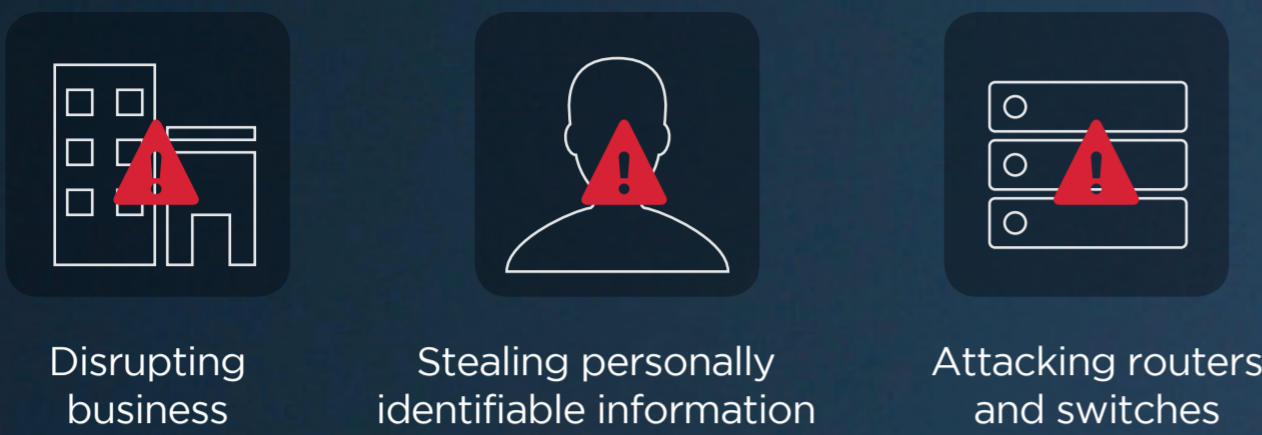


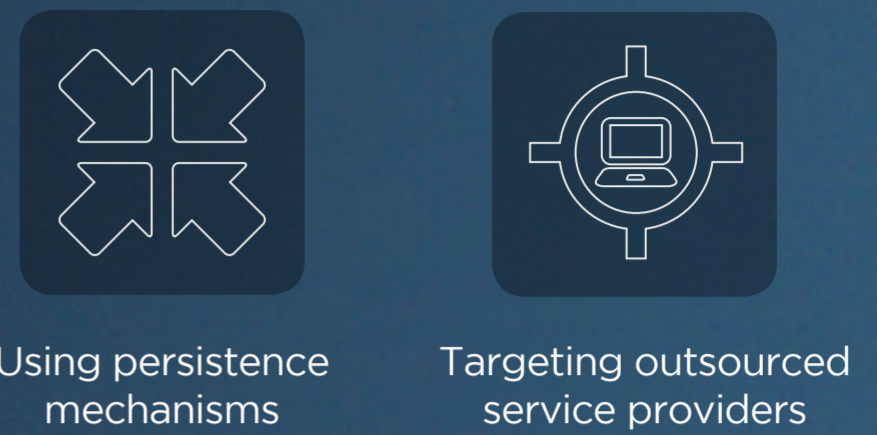
THREAT LANDSCAPE: BY THE NUMBERS

2015 was the year of more. More breaches became public than in any prior year, and more cyber threat groups were at work around the world with a wider array of motives. The groups infiltrated and destroyed systems, stole personal information and targeted networking devices. This resulted in more stress for those who had to deal with the loss of data and reputation, more time and money spent in recovering from an attack and more reasons for organizations to strengthen their security posture.

THREE NEW TRENDS APPEARED IN 2015:



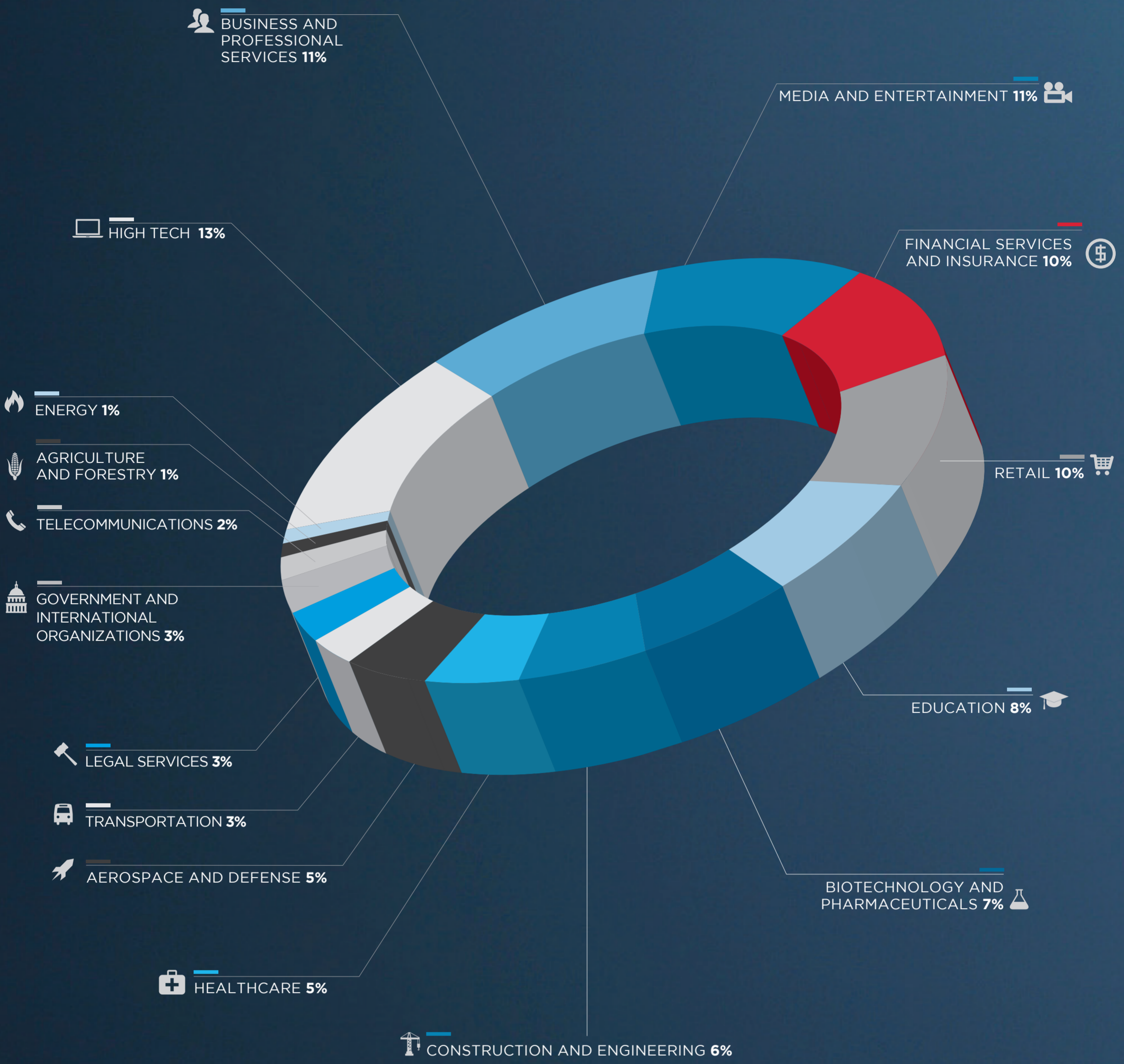
TWO OLD TRENDS CONTINUED:



THE YEAR IN ATTACKS

INDUSTRIES WHERE MANDIANT INVESTIGATED

Percentage of total attacks by industry.



MORE AND LESS

Some industries saw an increase in attacks compared to 2014. Some saw a decrease.

HIGH TECH



BUSINESS AND PROFESSIONAL SERVICES

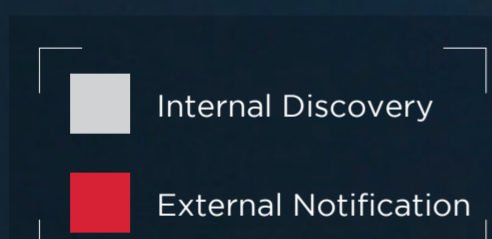


MORE BREACHES DISCOVERED INTERNALLY

Compared to 2014, the percentage of victims discovering a breach internally rose 16%.



47%



53%

ORGANIZATIONS MORE VIGILANT ABOUT DISCOVERY

In 2015, the median time from compromise to discovery was cut by 59 days, down from 205 days.

TIME FROM COMPROMISE TO DISCOVERY

	MEDIAN	EXTERNAL NOTIFICATION	INTERNAL DISCOVERY
	146 DAYS	320 DAYS	56 DAYS

MORE LESSONS LEARNED

A year of disruptive breaches resulted in new lessons regarding defense and response.

- | | | | |
|---|---|----|--|
| 1 | Confirm there is a breach. | 6 | Engage experts before a breach for forensic, legal and PR support. |
| 2 | Remember: you're dealing with human adversaries . They can be unpredictable. | 7 | Consider all options when asked to pay a ransom. There are no guarantees. |
| 3 | Timing is critical — validate and scope the breach, fast. | 8 | Ensure strong segmentation and controls over your backups. |
| 4 | Stay focused — you're racing against time. | 9 | After an incident has been handled, focus on broader security improvements. |
| 5 | Carefully evaluate whether to confront an attacker (see lesson 2). | 10 | If you kick the attackers out, be prepared: they may come back. |

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