

Today's Modern Data Centers need a new approach to security



→ Virtualization, Cloud, and Software-Defined Networking redefine the data center

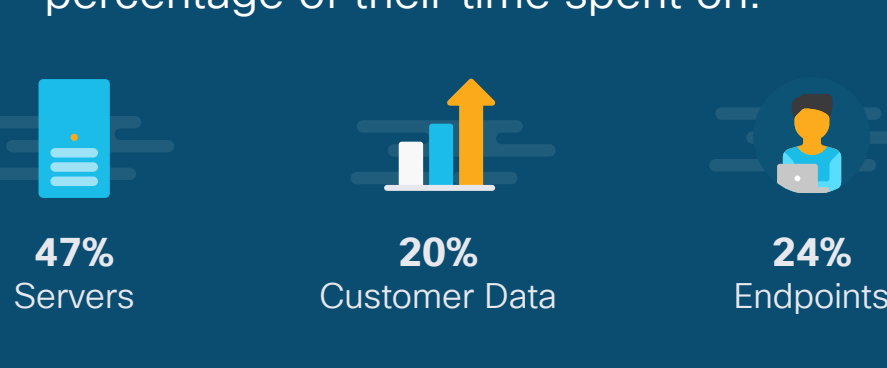
→ Workloads, applications, and data are now everywhere, across multicloud environments



→ Users are moving outside the corporate perimeter and are increasingly mobile, accessing resources from a breadth of devices

→ Today's data center is incredibly complex and organizations must rethink their approach to security

Security teams spend **76%** of their time securing the data center with the percentage of their time spent on:*



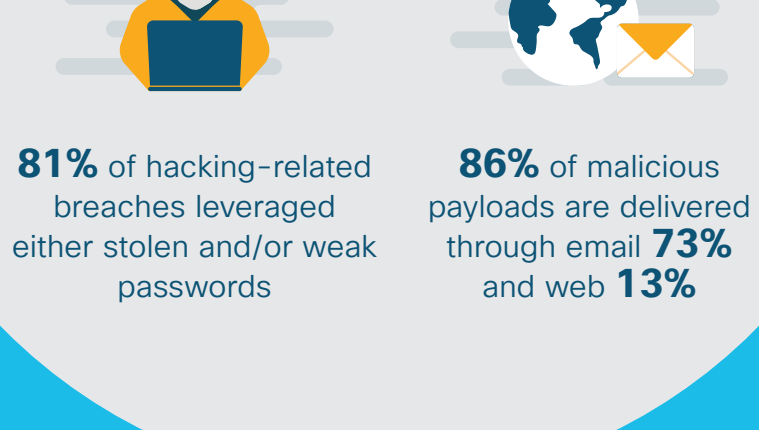
57% agree that the most challenging areas to defend is data in the public cloud**

Only **38%** segmented their data center*

Security leaders widely acknowledge there's a human capital problem in security:***

25% of global security decision makers say staff shortages are a major challenge, and they struggle to find staff with the right skills. This staff problem is compounded when there's too many non-integrated point products to manage.

How is data being stolen? Via people****



Data source:
 * Cisco 2017 Annual Cybersecurity Report
 ** Cisco 2018 Annual Cybersecurity Report
 *** The Zero Trust eXtended (ZTX) Ecosystem by Chase Cunningham, Forrester
 **** Verizon 2017 Data Breach Investigation Executive Summary and Full Report



The modern data center has 3 key security needs

Visibility

See everything with complete visibility of users, devices, networks, applications, workloads, and processes

Segmentation

Prevent attackers from moving laterally east/west across the network with micro-segmentation and application whitelisting

Threat Protection

Identify breaches faster with multi-layered threat sensors to quickly detect, block, and respond to prevent data theft and disruptions of operations

Time for a new approach to securing your data, applications, and dynamic workloads



An approach with innovative new technologies and an integrated architecture built for the modern data center. You gain:



Context of whether traffic is malicious or not, as applications and micro applications travel across the data center



Dynamic, flexible controls for consolidation and automation of network, security, and application policies



Multi-layered threat detection and mitigation, allowing you to block more threats and quickly mitigate those that may breach your data center

Cisco helps protect data, applications, and workloads to keep you more secure and your business more productive.



Faster incident detection through complete visibility of all users and network traffic across your enterprise, cloud, and data center



Reduce your attack surface by controlling unauthorized users and advanced threats **from moving laterally within your data center**



Quickly identify, block and respond to data breaches and disruptions in operations

Cisco has developed innovative new technologies that work together to secure the modern data center.

[To learn more](#)