State of Cyber Security in Today's Enterprise

Presented by illumio based on SANS Institute research*

CURRENT COMPUTING LANDSCAPE

Computing Is Now Distributed and Heterogeneous

93% of enterprises are using virtualization

69% are using bare-metal servers

47% have private cloud infrastructures

37% are using public clouds

23% are using containers

Growing Security Complexity

49% acknowledged they don't have a strategy to define their mix of environments

Security Investment Is Growing

96% of enterprises use firewalls in their data centers

83% use network IDS/IPS in their data centers

77% use server/application monitoring in their data centers

69% use network IDS/IPS, malware detection tools, and access control lists (ACLs) on intermediate routers and switches to secure their East-West traffic

30% underutilize or don't even use their recent security investments
(Source: Dark Reading)

86%
of CIOs and execs don't believe they can keep pace with attackers over the next five years
(Source: Wall Street Journal)

GROWING EXPOSURE

Today's Threat Containment Strategy Is Not Working

Containment Is Taking Too Long

Leaving many open to prolonged and increased damages as attacks spread through data centers and clouds

Containment times:

37% up to 8 hours

21% up to 24 hours

19% less than a week

17% more than a week

Breaches Are Becoming Normal

78% increase in the number of breached records over the previous year
(Source: Gemalto 2014 Breach Level Index)

What Are We Missing?

Visibility

58% no visibility into East-West traffic in their data center or clouds

Changes Take Too Long

35% said it takes 2+ weeks

8% take longer than 6 weeks

Automated and Accurate Containment

Current security model doesn't work well, or at all, in the cloud:

Only **34%** use firewalls in their public clouds

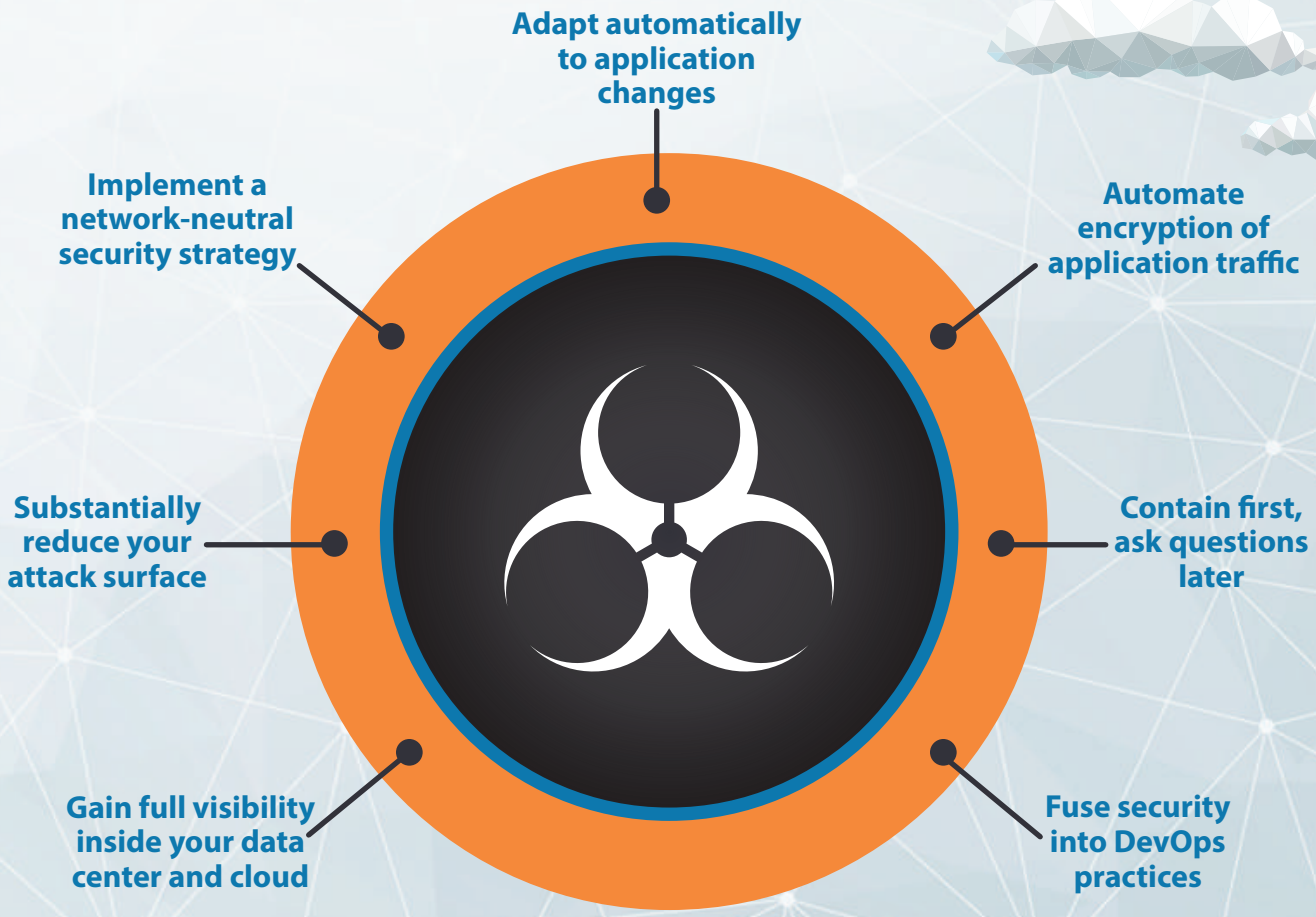
Only **29%** use network IDS/IPS in their public clouds

Only **26%** use public cloud providers' security tools

REDEFINING THREAT CONTAINMENT

The damaging cyberattacks of the last few years have given business leaders reason to pause and rethink their IT security strategies. The SANS Institute identified a shift to a new normal for enterprise security—one that involves redefining how to contain and handle attacks. Here are seven steps IT and security professionals must take to gain control over the enterprise security posture in their dynamic data centers and to contain attacks immediately when they do occur.

Read the full SANS report at
www.illumio.com/SANS2016



* All statistics are based on SANS Institute research unless otherwise noted.