

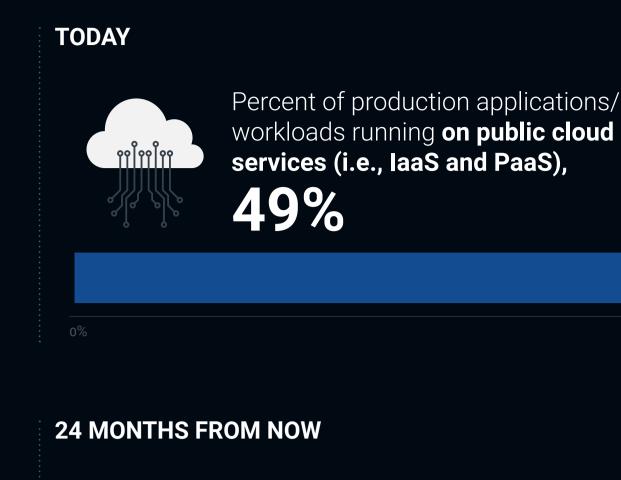
## SUPERCHARGED SECURITY for Hybrid and Multi-cloud **Environments to Fuel Business Growth**

Organizations today are under pressure to digitally transform and optimize productivity and innovation, and they need security that supports their workloads across hybrid and multi-cloud environments. Cisco can help organizations modernize their security program to protect applications no matter where they reside, while supporting faster development and business growth.

## Organizations are increasingly leveraging public cloud infrastructure to utilize state-of-the-art computing platforms without

The Need for Security to Support Applications Across Distributed Environments

worrying about underlying infrastructure or maintenance. At the same time, they need to support their applications in on-premises environments. This makes it challenging for security teams to support the move to cloud services and to manage workloads that are distributed across multiple cloud platforms and on-premises environments.



workloads running on public cloud services (i.e., laaS and PaaS), **49%** 

applications/workloads running on on-premises infrastructure, 51%

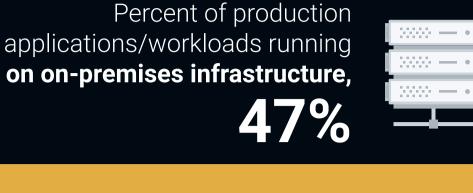
Percent of production

Percent of production applications/



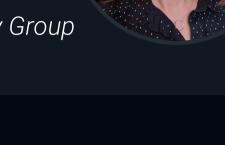
workloads running on public cloud services (i.e., laaS and PaaS), 53%

on on-premises infrastructure,



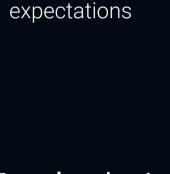
three or more cloud service providers (CSPs)." - Melinda Marks, Practice Director, Cybersecurity, Enterprise Strategy Group

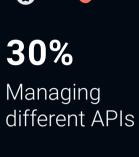
66 A majority (63%) of organizations use



Security tops the list of challenges faced by working with multiple CSPs, followed by issues of scale

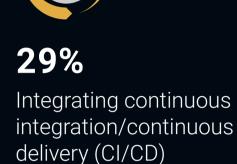




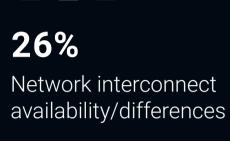


and ensuring application availability and performance.





For cloud migrations, security is a top concern, followed by cost and time.

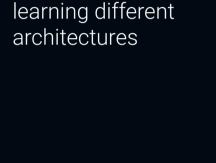


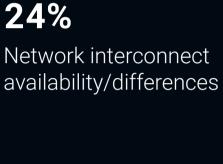














30%

27%

26%

25%

## to adapt their programs to support the increased growth and scale of applications across environments.

**Effective Security Strategy to Support Growth** 

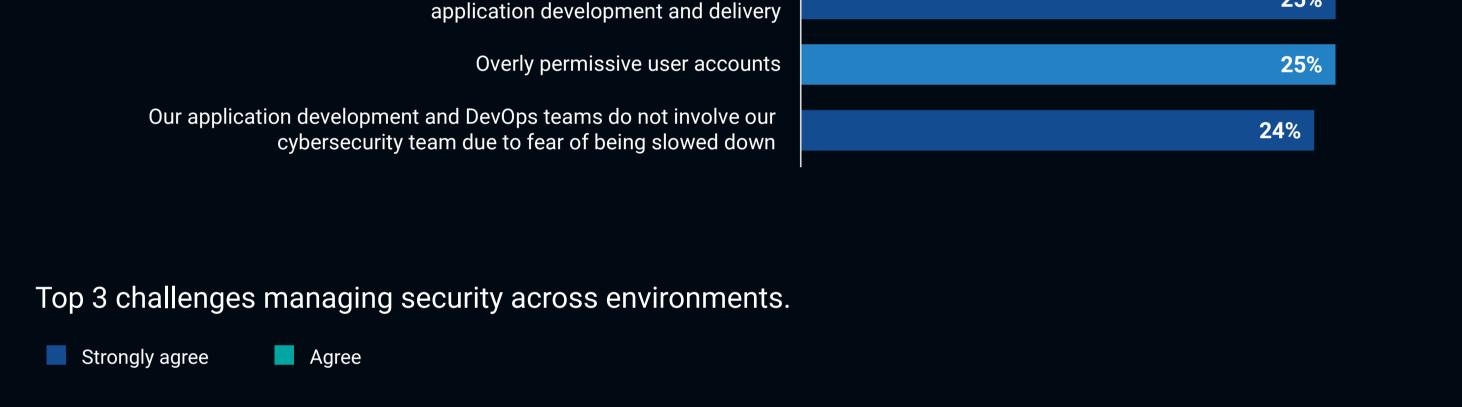
The biggest cloud security challenges are around consistency, permissions, and scale. Maintaining security consistency across our own data center and public cloud

Security teams want to enable growth and innovation instead of blocking it. These current pressures demand effective

security risk management and protection for applications across environments. This has been challenging as teams work

Overly permissive service accounts Manual security practices and processes cannot keep pace with cloud-native

environments where our cloud-native applications are deployed



35%

38%



Multiple tools in use for asset inventory.

quickly to threats.



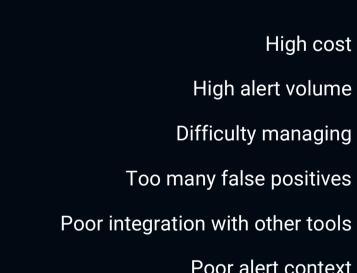
monitoring of all applications across environments with one interconnected, dynamic framework. This increases security

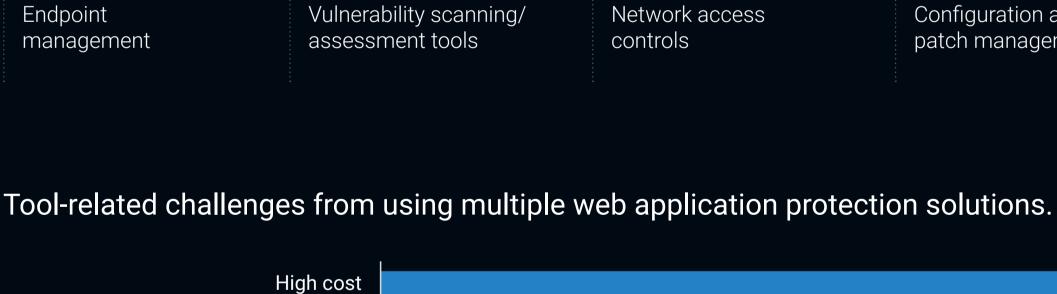
team efficiency and effectiveness with context across assets for faster security operations to mitigate risk and respond



52% 40% 37% 34% 33% Endpoint security Cyber asset attack Network scanning Cloud security posture IT asset surface management management tools management technology systems







32%

High alert volume

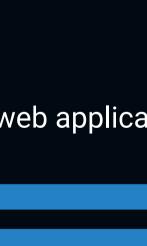
Poor alert context

Difficult to deploy

45%

Poor usability for application developers

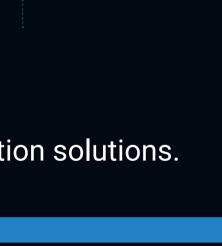
We do not have any challenges



26%

controls

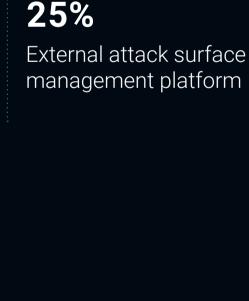
Network access



Configuration and

patch management

26%



36%

34%

31%

30%

30%

It is difficult to get a complete picture

My organization doesn't have enough

staff or skills to manage our security

of our security statususing many

disparate security technologies

28%

28%

25%

36%

30%

Top 4 management-related challenges from using multiple security tools across different environments.

5%

Each security technology demands its own training,

implementation, management, and operations,

straining my organization's resources



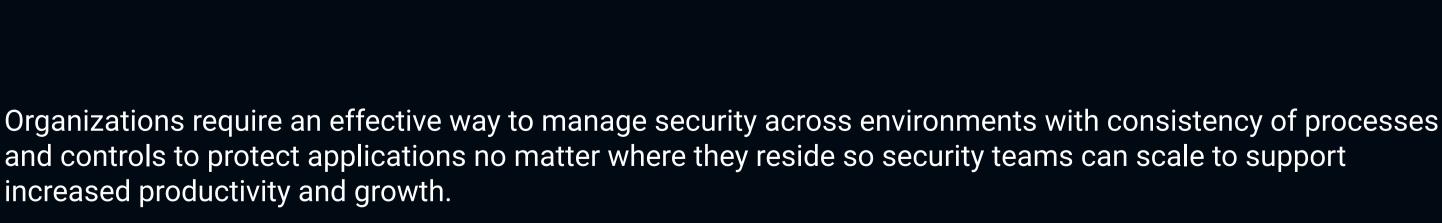
increased productivity and growth.

**Key Elements for Program Effectiveness** 

**Pervasive visibility** across environments

into all assets (network, applications, and

clouds) to gain an accurate picture of the





Context to drive remediation

**efficiency** with risk scoring for efficient

across environments to drive the needed

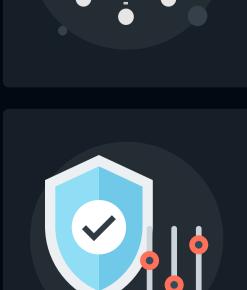
that safeguards traffic across the network,

accurate macro- and micro-segmentation

clouds, and VPCs, with consistent and

prioritization of vulnerability findings

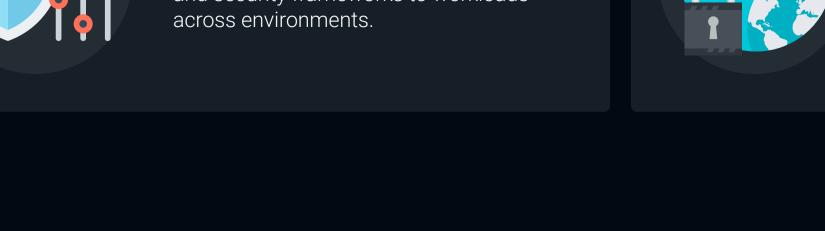
overall security posture.

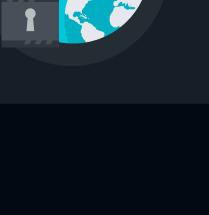


**Consolidated, consistent security controls** to consistently apply policies and security frameworks to workloads across environments.



remediation actions that can have the highest impact on mitigating risk. **Comprehensive workload protection** 





across environments to stop unauthorized lateral movement to protect applications and data.

**Learn More** 

with holistic application security, safeguarding workloads across environments, both on-prem and in the cloud.

The Cisco Cloud Protection Suite delivers a modern application security approach with end-to-end security for hybrid

and multi-cloud application environments. From bare-metal to cloud-native infrastructure, the suite provides customers

