cisco



数字化时代基于意图的自动化安全网络架构 **Kevin Skahill** Cisco全球产品管理高级总监





如何快速发现和控制问题?

加密流量中的 安全和隐私 检测精度 恶意软件











通过基于情报的攻击防范策略达到 基本的安全成熟度, 主要包含侦测。 调查和修复三个阶段。



Malware in

Encrypted Traffic

00

Security AND Privacy

How do you find and contain problems fast?







Basic security maturity to prevent attacks via an intelligence-based policy - then detect, investigate, and remediate









🔰 企业下发

🔰 自帯

物联网

📢 雇员

🗸 承包商

♥ 合作伙伴



内部部署

通过VPN

线下

Enterprises are enabling data access between... 🗗 🕇 2019





💅 数据中心

₩ 多云

∜ SaaS



M Employee

Partner

Contractor



IoT

















全面掌握访问数据的用户、设备

+ 和工作负载信息,定位高风险点。







防火墙能够御敌于外,但是无法阻止 攻击者通过被盗的账户和密码登录系



Can you discover all users, devices, and workloads accessing your data to learn where breach risk is highest.



M&A, divestitures, supply chains and contractors force IT to setup rigid, redundant environments to

mitigate risk



Firewalls stop attackers hacking trust boundaries but cannot stop attackers logging in via stolen passwords.



边界(SDP)和ARTA

BeyondCorp

(持续自适应风险与信任评估)



很多安全理念解释起来都很简单, 但很多人都觉得无从下手



的作用

仅仅是简单的购买和部署技术是 不可能全部发挥出上述安全模型





ZTX (Zero-Trust eXtended) SD-Perimeter and CARTA (Continuous Adaptive Risk and Trust

Assessment) BeyondCorp

While these security mindsets are simple enough to explain, many find it tricky to decide where and how to begin.



There is no single technology to buy and implement that will deliver 100% of any of theselsecurity models.







不允许基于请求来自

网络或DC的数据访问



验证

不要只依赖于用户、设备

和工作负载信任的一次性













Don't rely only on one-time Prioritize enforcing the least verification of user, device, privileges for the least time and workload trust. for your high-risk data.



to improve policy efficacy+ and simplicity.









优先将对于高风险数据 的访问限制在最短时间 和最小权限

策略以提高效率并简化 流程















进行验证

PIT 2019

阶段。



Complementary security approaches

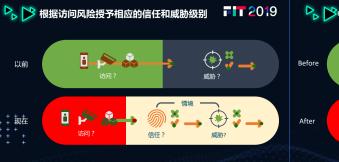
Dynamic Context

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Good security practice to verify before granting access via a identity-based policy - for any user, any device, any app, in any location

Basic security maturity to prevent attacks via an intelligence-based policy — then detect, investigate, and remediate



















†集成到AnyConnect

*Duo Beyond网关 (i.e. 反向代理) **适用于BYOD的Duo Access



Trusted Access Policy Evolution

On-Prem 🕶 Cloud

T 2019



less Device

Head-

Solution

On-Prem

*Duo Beyond with Network Gateway (i.e. reverse proxy) **Duo Access for BYOD

On-Prem Off-Prem

Access Solution

User-

Cloud









防止任何受影响的用户、 设备或工作负载访问应用 程序和网络。



良好的用户愉悦度是 培养安全文化的基础

思科自动化解决方案可帮助减少终端用户和IT部门之间的摩擦。



快速 灵活地满足 合规需求 求 使用软件定义边界方案确保对 特定应用或网络中受监管数据

的安全访问。



Enable reduced-risk access decisions

Apps and network are no longer accessible to any compromised user, device or workload anywhere



Happier users foster a security culture

Shift automation to Cisco and some remediation to end-users to reduce friction for lean IT teams



Fast compliance right where it's needed

Secure access to regulated data within specific apps or network segments using SD-perimeters





和BYO设备

······

和多云环境

入支持,支持从任何

位置上发起

证和动态情

Uses identity

verification

and dynamic

context

Works for on-premises and multicloud apps

Simpler, more consistent access everywhere

Covers corporateissued and BYO devices

effective East-West segmentation

More

