ForeScout®

Network Access Control

Gain real-time visibility and control of devices the instant they access your network

ForeScout Technologies, Inc. provides unique solutions for controlling and managing the dramatically increasing numbers and types of devices accessing networks every day. Our flagship product, ForeScout CounterACT®, gives you real-time visibility, letting you instantly discover authorized *and* unauthorized devices—and control access as you see fit.

Organizational Challenges

• Improve overall network security

• Protect sensitive data against external threats

• Don't hinder access by employees, contractors and customers

• Comply with internal policies and external regulations

• Maintain the value of existing security investments

Technical Challenges

• Discover unknown devices on the network that are not outfitted with agent software

• Identify device type and location, user identity and role, and level of compliance

• Prevent infected or non-compliant devices from spreading malware

• Keep targeted attacks from stealing data or forcing network downtime

• Find a NAC solution to provide the right action for each situation automatically, without human involvement

• Measure effectiveness of security controls and demonstrate compliance with regulations

The Challenge

Today's enterprise networks serve a vast array of traditional and non-traditional devices and other endpoints—everything from PCs, tablets and smartphones to industrial controls, virtualized servers, wireless access points and cloud-based applications. And, without a doubt, the scope of device-related challenges will expand as BYOD*, IoT*, hybrid IT environments and hacker sophistication continue to make gains. So, your network access control (NAC) solution must manage the corporate- and employee-owned devices you know as well as the increasing numbers of unauthorized, "under-the-radar" devices you don't know.

Here are a few facts that reinforce the need for a comprehensive, highly intelligent NAC security solution:

• 26 billion connected and networked devices will be in use by 2020.[1]

• 75 percent of mobile applications will fail basic security tests.[2]

• 98.7 percent of records compromised were the result of external hacking in 2014.[3]

As an IT or security systems manager, you have to know whether the devices and systems attempting to access your network, or already logged on, are meeting your organization's security standards.

The ForeScout Solution

ForeScout CounterACT® offers comprehensive NAC capabilities and more, based on real-time visibility of devices the instant they access the network. It continuously scans the network and monitors the activity of known, company-owned devices as well as unknown devices such as personally owned and rogue endpoints. And it lets you automate and enforce policy-based network access control, endpoint compliance and mobile device security. In fact, ForeScout CounterACT provides an extensive range of automated controls that preserve the user experience and keep business operations running to the maximum extent possible.

The foundation of CounterACT intelligence and functionality can be summed up in three words:

See CounterACT offers the unique ability to discover devices the instant they connect to your network, without requiring software agents or previous device knowledge. It profiles and classifies devices, users, applications and operating systems while continuously monitoring managed devices, personally owned devices and other endpoints.

Control CounterACT can allow, deny or limit network access based on device posture and security policies. By assessing and remediating malicious or high-risk endpoints, it mitigates the threat of data breaches and malware attacks that would otherwise put your organization at risk. In addition, by continuously monitoring devices on your network and controlling them in accordance with your security policies, CounterACT dramatically streamlines your ability to demonstrate compliance with industry mandates and regulations.

Orchestrate CounterACT integrates with more than 70 network, security, mobility and IT management products** via ForeScout ControlFabric® Architecture. This ability to share real-time security intelligence across systems and enforce a unified network security policy reduces vulnerability windows by automating system-wide threat response. What's more, it lets you gain higher ROI from your existing security tools while saving time through workflow automation.

ForeScout CounterACT gathers rich contextual insights regarding the endpoint, its location, who owns it and what's on it. It can ensure:

- Unauthorized devices and unsanctioned applications are not on your network

- Authorized devices are configured with the latest operating systems, up-to-date antivirus software is installed and running, and vulnerabilities are properly patched

- Encryption and data loss prevention agents are working

- Users are prevented from running unauthorized applications or peripheral devices on the network

When endpoints don't measure up to organizational standards, CounterACT automatically initiates one or more policy-based enforcement and remediation actions ranging from an email notification of non-compliance to mandatory remediation (such as software updating) to outright quarantine or access prevention. There's no need for human intervention or manual labor associated with managing guest access, locating systems and opening or closing network ports. Network access is controlled according to policy.

For more than 2,000 enterprises in over 60 countries**, ForeScout provides intelligent, cost-effective network access control that meets the highest standards for security and regulatory compliance as well as ease of use and deployment. CounterACT is sold as either a virtual or physical appliance that deploys within your existing infrastructure and typically requires no changes to your network configuration. The CounterACT appliance physically installs out-of-band, avoiding latency or issues related to the potential for network failure. It can be centrally administered to dynamically manage tens or hundreds of thousands of endpoints from one console.

Learn more at
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2 Gartner Research, Sept 2014 http://www.scmagazine.com/gartner-75-percent-of-mobile-apps-will-fail-security-tests-through-end-of-2015/article/372424/
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*Bring Your Own Device (BYOD), Internet of Things (IoT)
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