

TippingPoint NAC Policy Server

IPS-Secured Networks

DATASHEET – NAC Policy Server



The TippingPoint NAC solution enables enterprises to enforce device and user policies to ensure endpoint compliance and granular network compliance even after initial network entry. TippingPoint NAC provides multiple enforcement options, including inline enforcement with the TippingPoint NAC Policy Enforcer, and out-of-band options using 802.1x or DHCP, with support for various vendors and network topologies. The integration of device, user and IPS-based traffic classification and enforcement provides much greater control over network access and usage, reducing network vulnerabilities while improving policy and regulatory compliance.

Product Features

- Support for 5,000+ users
- Seamless Active Directory Windows Login
- HTTP Redirection for Captive Web Portal
- Allow or Deny by MAC Address
- Support for multiple EAP types/802.1x authentications
- Tie specific users to specific MAC addresses

Endpoint Posture Check

- Support for Windows ME, NT, 2000, XP, Vista, Apple OS Panther, Apple OS Tiger, Linux
- Automatically installed dissolvable client
- Create policies by group, OS
- Configurable interval times between posture checks
- Determine OS service packs, patches, installed anti-virus packages

Dynamic Policies

- Access controls based on user role
- Integrations with RADIUS, Active Directory and LDAP
- Support for External User Directory Group and User
- Block or redirect traffic to captive portal
- Define access rules by Layer 3 and 4 with support for wildcards and ranges

Statistics Gathering

- Tie all network connections by MAC, IP and username
- Track network usage by user, group and destination
- Multiple customizable reports available on the NAC Policy Server

Management

- Web-based UI
- Command Line Interface Menu (CLI)
- Syslog
- SNMP v1/v2c

TippingPoint NAC access policies subject each device and user pair to rigorous authentication, authorization, posture compliance checks and enforcement. Non-compliant devices are directed to remediate based on discovered vulnerabilities. User access rights are controlled through integration with existing user directories, including Active Directory, LDAP and RADIUS. TippingPoint NAC interoperates with the TippingPoint Intrusion Prevention System (IPS) to ensure all malicious traffic is blocked from each endpoint and suspect or non-compliant traffic triggers other policy-controlled actions, including blocking, quarantining, alerting or rate shaping. Network and security personnel now have unprecedented control over the entire network perimeter with integrated policy-based visibility and control of users, devices and traffic flows.

While network access control combined with the IPS is the ideal protection path, the TippingPoint NAC Policy Server can also be deployed without an IPS

NAC Policy Server

The NAC Policy Server provides centralized policy management as part of the TippingPoint NAC solution and offers advanced reporting and event correlation. The centralized Web-based console allows network administrators to quickly scan the activity and status of all devices currently or historically connected to the network. This greatly reduces troubleshooting time by expediting problem recognition and resolution, while generating an audit record of user and device access. The NAC Policy Server

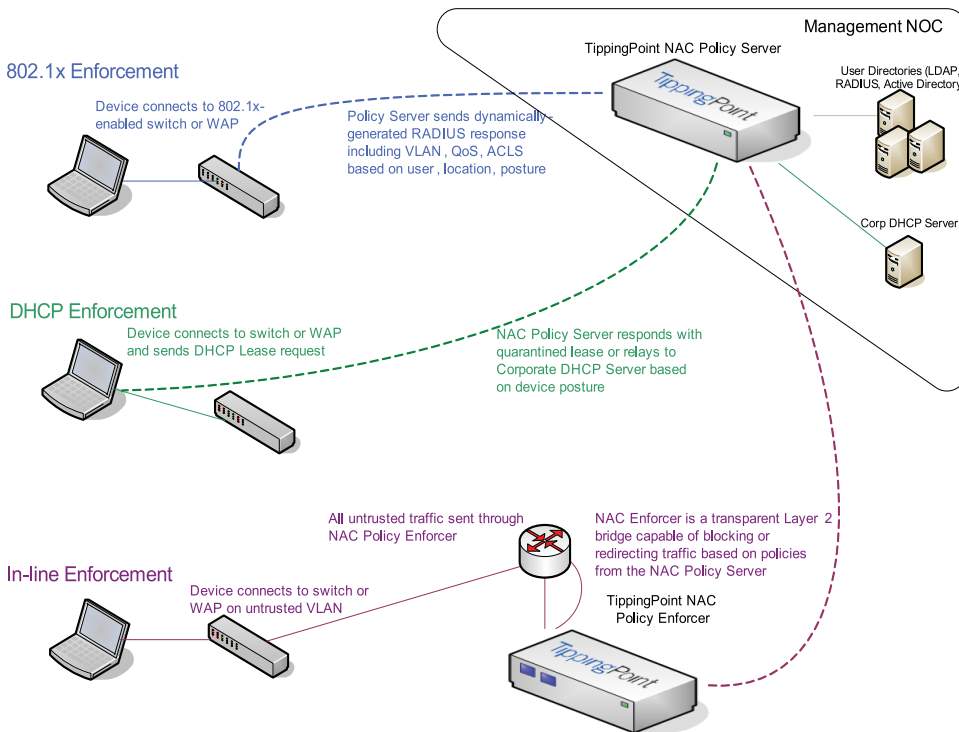
economically scales to accommodate network infrastructure growth of users, groups and applications using a variety of enforcement methods including the inline TippingPoint NAC Policy Enforcer appliance, DHCP and 802.1x. A single NAC Policy Server can support up to approximately 5,000 users. The NAC Policy Server works in concert with existing or newly deployed directory infrastructures, including RADIUS and multiple EAP types and 802.1x authentication as well as Active Directory support with the convenience of a seamless Active Directory login. It also supports other LDAP-based directory structures. Network activity can be tracked and enforced by user, group and destination, and network connections are tied to MAC address, IP address and username. The NAC Policy Server enables provisioning of internal users, authorized guests and remote employees. Because the NAC Policy Server spans the network infrastructure, it can support both wired and wireless environments.

Manage and Control Users and Devices

- Provision intelligent client-less guest access via an easy-to-use Web interface
- Create, group and control multiple tiers of guests such as contractors, temporary and traveling employees, and onsite guests without any changes to the existing network infrastructure
- Control user access by time, location or during special events, with role-based policies
- Create, change and remove policies in real-time via an easy-to-use Web portal, without re-building or changing VLAN assignments

TippingPoint

TippingPoint NAC offers three enforcement options



- Enhance security policies for VoIP environments

Auditing and Reporting

- Automated and detailed alerts reduce troubleshooting time
- Review audit trails and create high-level reports
- Vastly reduce the time required for creating reports that verify IT compliance for regulations like Sarbanes-Oxley, HIPAA, FERPA, etc.

Network Visibility and Control

- Real-time monitoring, display and logging of all users, sessions, applications and devices

- Real-time tracking of all user activity, permissions, status and location
- Detailed views of posture information per device or in-aggregate reports

Posture Compliance

- Support for Windows (ME, NT, 2000, XP, Vista), Macintosh (10.x) and Linux
- Hundreds of anti-virus, anti-spyware and personal firewall software packages supported
- Quickly generate straightforward policies to determine what is installed, running and up-to-date
- Build global policies by group or operating system

Hardware Specifications Processor, Memory, Storage

- Two Intel® Xeon™ processors (2.8 GHz)
- 4GB RAM DDR-2 400 SDRAM
- Single (1)73GB HD (10,000 rpm) Ultra320 SCSI

Interfaces

- 2 x 10/100/1000 copper ports
- Auto-media sense, auto-negotiate

Power

- AC power supply (per power supply)
- Wattage: 550 W Hot Plug Redundant Power
- Voltage: 84 -264 VAC, auto ranging, 47-63 Hz, 7.6 A
- Heat dissipation: 2130 BTU/hr (theoretical maximum)
- Maximum inrush current: Under typical line conditions and over the entire system ambient operating range, the inrush current may reach 25 A per power supply for 10 ms or less.

Physical Dimensions

Height (in): 1.69 in	Height (cm): 4.29 cm
Width (in): 19.0 in	Width (cm): 48.26 cm
Depth (in): 30.0 in	Depth (cm): 76.2 cm
Weight (lb): 39 lbs	Weight (kg): 17.69 kg

Environmental

Temperature

- Operating :10° to 35°C (50° to 95°F)
- Storage: -40° to 65°C (-40° to 149°F)

Relative Humidity

- Operating: 8% to 85% (non-condensing) - maximum humidity gradation of 10% per hour
- Storage: 5% to 95% (non-condensing)

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