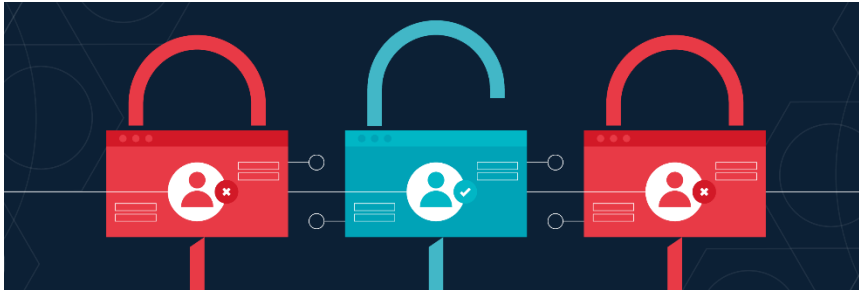# Network Access Control (NAC)

End-to-end security and superior user experience

tbNAC Boasting an impressive feature set including a captive-portal for registration and remediation, centralized wired, wireless and VPN management, industry-leading BYOD capabilities, 802.1X and RBAC support, integrated network anomaly detection with layer-2 isolation of problematic devices.

It can be used to effectively secure small to very large heterogeneous networks.

tbNAC is TechBridge's network access control solution that enhances the Security with visibility, control, and automated response for everything that connects to the network. tbNAC provides protection against IoT threats, extends control to third-party devices, and orchestrates automatic responses to a wide range of networking events.

## Visibility Across the Network for Every Device and User

tbNAC provides detailed profiling of even headless devices on your network using multiple information and behavior sources to accurately identify what is on your network.

Extend Control of the Network to Third-Party Products

Implement micro-segmentation policies and change configurations on switches and wireless products. Extend the reach of the Security in heterogeneous environments.

Automated Responsiveness

React to events in your network in seconds to contain threats before they spread. tbNAC offers a broad and customizable set of automation policies that can instantly trigger configuration changes when the targeted behavior is observed.
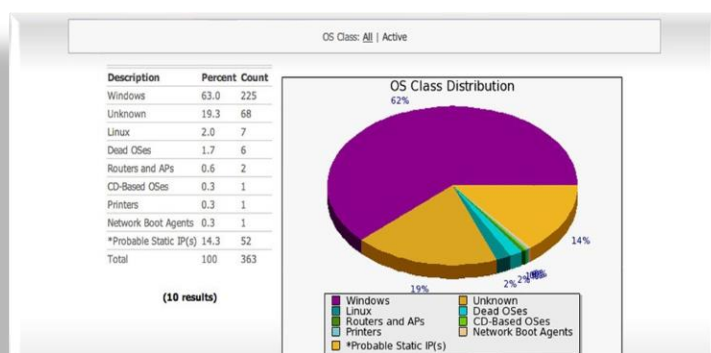
Highlights

- Scan the network for detection and classification of devices via agent or agentless (automated)

- Create an inventory of all devices on the network

- Assess risk of every endpoint on the network

- Centralize architecture for easier deployment and management

- Provide extensive support for third-party network devices to ensure effectiveness with existing network infrastructure

- Automate onboarding process for a large number of endpoints, users, and guests

- Enforce dynamic network access control and enable network segmentation

- Reduce containment time from days to seconds

- Provide event reporting to SIEM with detailed contextual data to reduce investigation time

General Features:-

- BYOD - Let people Bring their Own Devices
- Role-based access control
- Eliminate malware
- WiFi offload / hotspot
- Provide guest access
- Perform compliance checks
- Simplify network management
- Guest Service Management
- Profiling and Policies
- Flexible VLAN Management
- Profile Management
- Access Duration Management
- Bandwidth Accounting

Enforcement

- Out-of-band Deployment
- Inline Deployment
- HA supported
- DC-DR supported

Authentication & Registration

- 802.1X Support
- MAC auth, Web auth
- Facebook/Google/GitHub Authentication
- PEAP-TLS, EAP-PEAP and many more EAP mechanisms can be used
- Wireless Integration
- Registration of Devices
- Voice over IP (VoIP) Support
- OAuth2
- SAML

Integration

- Active Directory(AD)
- LDAP
- E-mail Gateway
- SMS Gateway
- Single Sign-On Firewall

Compliance

- Detection of Abnormal Network Activities
- Proactive Vulnerability Scans
- Security Agents
- Windows Management Instrumentation (WMI)
- Remediation Through a Captive Portal
- Isolation of Problematic Devices
- Statement of Health
- DHCP Fingerprint

User Management

- Multiple account types
- Role based Access Control
- Use Groups

Device and User Identification

- Laptop
- Mobile Phones – Android/iOS/Windows
- Users:-
  - Guest
  - Internal Employee

Protocols Supported

- 802.1X Support
- RADIUS
- TACACS+
- SNMP
- Netflow / IPFIX
- Wireless ISP Roaming (WISPR)

Wired Support

- 3COM
- Accton
- Alcatel-Lucent
- Avaya
- CISCO
- D-Link
- Extreme Netwoks
- HP
- Huawei
- Juniper
- Dell

Wireless Support

- Aerohive AP Series
- Aruba Networks
- AnyFi Controller
- Avaya Wireless Controllers
- BelAir Networks(Ericsson)
- Brocade Mobility Wireless LAN Controllers
- Cambium Networks
- CISCO Wireless Services Module
- CISCO WLC
- D-Link DWS 3026
- Enterasys V2110 Wireless Controller

Access Points

- Aerohive AP Series
- Aruba Instant Access Points
- CISCO 1130AG
- CISCO 1240AG
- CISCO 1250
- D-Link DWL Access Points
- HP ProCurve
- OpenWRT with hostapd or CoovaChilli
- Xirrus WiFI Arrays
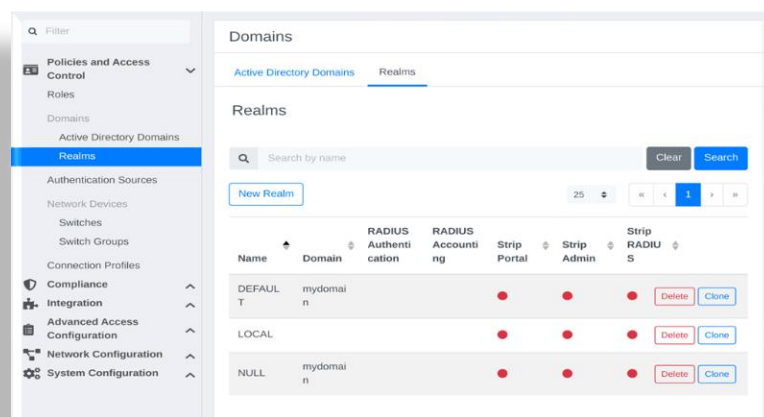
FOR MORE INFORMATION

About TechBridge

TechBridge is the World's leading Product & Solutions Company. Data Center Applications, Collaboration and Real Time Communication. DC Management and Monitoring, Disaster Management, Security, Collaboration and Cloud. Its market-leading Network Modernization, Unified Communications, Mobility and Embedded Communications solutions enable customers to quickly capitalize on growing market segments and introduce differentiating products, applications and services. We are an expert and leader in Government Solutions, Smart City Solutions, Data Centers and Large Enterprises. We do custom applications also, as per the customer requirements.

Certificates:-

ISO 9001	ISO 27001	ISO 20000	CMMi L3

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