

# ARUBA CLEARPASS ONGUARD™

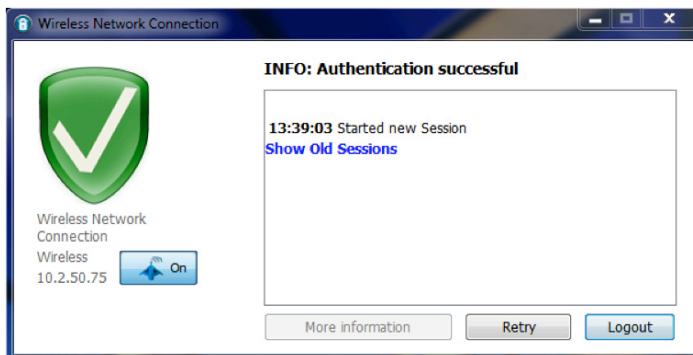
## Enterprise-class endpoint posture assessments and health checks

Aruba ClearPass OnGuard™ agents perform advanced endpoint posture assessments, as well as traditional network access control (NAC) and network access protection (NAP) health checks to ensure compliance and safeguard networks before devices connect.

Purchased as a software license with the Aruba ClearPass Policy Manager, OnGuard agents for Windows, Mac OS X and Linux deliver exceptional visibility to determine the vulnerability and compliance of endpoints that connect to wired and wireless networks.

### THE CLEARPASS DIFFERENCE

In addition to anti-virus, anti-spyware and personal firewall audits performed by traditional NAC and NAP products, OnGuard agents perform advanced posture and health checks, such as how to handle the use of peer-to-peer applications and USB storage devices.



*Windows 7 successful wireless authentication.*

When running persistent OnGuard agents on endpoints, the Aruba ClearPass Policy Manager can centrally configure and manage posture and health-check settings, send system-wide notifications and alerts, and allow or deny network access.

### Persistent and dissolvable agents

Persistent and dissolvable web-based OnGuard agents provide the same posture assessment capabilities with slight exceptions. The persistent agent provides nonstop monitoring and automatic remediation and control.

Alternatively, the dissolvable web-based agent is ideal for personal, non IT-issued devices and does not require software to be permanently installed. Once the browser page that was used during the authentication process is closed, the dissolvable agent is removed.

### KEY FEATURES

- Enhanced capabilities for endpoint compliance and control.
- Microsoft – Support for Windows 7, Windows Vista, Windows XP and Windows 2003.
- Apple – Support for Mac OS X.
- Linux – Support for Red Hat Enterprise Linux 4 and above, Community Enterprise Operating System (CEntOS) 4 and above, Fedora Core 5 and above, and SUSE Linux 10.x.
- Anti-virus, anti-spyware and firewall checks with auto-remediation.
- Peer-to-peer application checks, process checks and registry-key checks with remediation.
- System-wide endpoint messaging, notifications and access control.
- Online status of all devices can be viewed in the Aruba ClearPass Policy Manager.

### Automatic remediation

If an unhealthy endpoint does not meet compliance requirements, the user receives a message about the endpoint status and instructions on how to achieve compliance if auto-remediation is not used.

Messages can include reasons for remediation, links to helpful URLs and helpdesk contact information. Aruba ClearPass OnGuard agents provide the same message and remediation capabilities for 802.1X, non-802.1X, and combined environments.



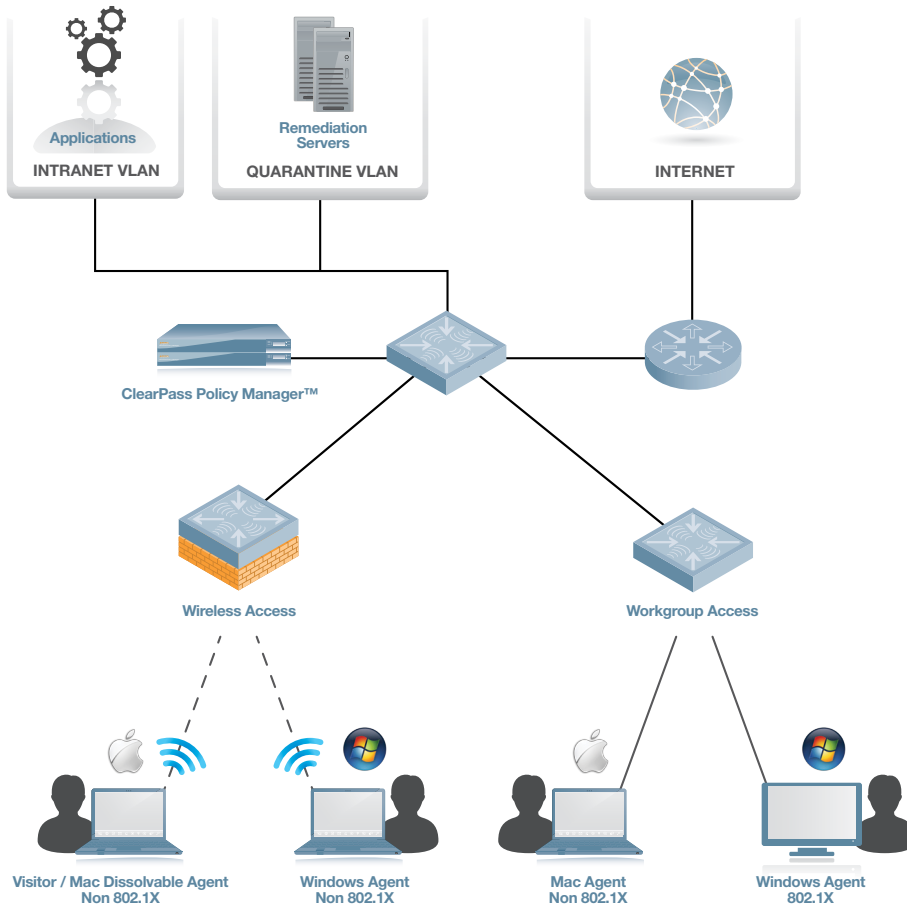
*Detailed Mac OS X quarantine message.*

**Extending NAP capabilities**

The Aruba ClearPass Policy Manager and OnGuard agents use Microsoft NAP and health-check capabilities to perform granular posture assessments with remediation. OnGuard also extends traditional NAC health-check capabilities to Mac and Linux platforms.

**IT-managed and BYOD endpoint compliance**

OnGuard persistent and dissolvable agents can be used together in environments with endpoints owned by the organization, employees, or visitors to ensure that all devices are assessed and granted proper privileges prior to gaining network access.



**ClearPass OnGuard™**

*This diagram shows how persistent and dissolvable OnGuard agents are used.*

## Complete endpoint visibility

To simplify troubleshooting, the sending of notification messages and compliance tracking, Aruba ClearPass Policy Manager provides a single, centralized view of user and device activity.

This makes it easy to automatically send warning notifications about potential copyright law violations on music-sharing sites when overuse of peer-to-peer applications is detected.

Endpoints can also be removed from the network via forced re-authentications associated with maintenance or compliance actions.

## COMPREHENSIVE ENDPOINT ASSESSMENTS

### Full endpoint protection

- Auto-remediation ensures that anti-virus and anti-spyware protection are up to date.
- Verifies firewall status with optional auto-remediation.
- Ensures that Windows Automatic Updates is running.
- Operating system fingerprinting verifies that approved images are installed.

## Advanced posture assessments

- Runs anti-virus, anti-spyware, and firewall audits for product, engine and data versions, and checks when scans were last performed.
- Identifies approved peer-to-peer applications, registry keys, and system processes.
- Approves the use of USB storage devices.
- Checks for up-to-date Microsoft service packs and patches.
- Use with external patch management applications – Altiris, BigFix, Creston, Lumension, Microsoft, Norman and Shavlik.
- Limits the use of client VM operating systems and applications.
- Detects the use of bridged interfaces within computers that may be used as Wi-Fi hotspots.

## Visibility and control

- Endpoint enforcement via static route assignment.
- Send notification messages to endpoints or groups of endpoints.
- Devices can be bounced from the network or denied access.

ARUBA networks ClearPass Policy Manager admin (Super Administrator)

Monitoring & Reporting » Live Monitoring » OnGuard Activity

OnGuard Activity Jan 18, 2012 11:12:54 PST

Filter: User contains [ ] Go Clear Filter Show 10 records

#	User	Host MAC	Host IP	Host OS	Status	Date and Time	Authentication Records
1.	david	0D-87-34-58-75-99	10.6.52.42	Microsoft Windows 7	●	2012/01/17 10:32:14	View
2.	jjack	01-75-45-23-89-90	10.6.52.55	Microsoft Windows 7	●	2012/01/17 11:24:09	View
3.	john	00-1D-09-D1-59-44	10.6.50.145	Microsoft Windows 7	●	2012/01/17 07:34:00	View
4.	karen	00-1D-08-64-32-45	10.6.50.18	Microsoft Vista 6.0	●	2012/01/17 10:34:13	View
5.	trent	00-14-06-21-44-92	10.6.52.190	Microsoft Vista 6.0	●	2012/01/17 06:34:13	View
6.	venkat	58-94-6B-32-82-40	10.6.52.75	Microsoft Windows 7	●	2012/01/17 11:28:45	View

Showing 1-6 of 6 Send Message Bounce

© Copyright 2011 Aruba Networks. All rights reserved. Jan 18, 2012 11:13:03 PST ClearPass Policy Manager 5.1.0.37069 on ET-5020 platform

*A centralized view of endpoint using OnGuard from the Aruba ClearPass Policy Manager.*



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