aruba
a Hewlett Packard Enterprise company

DATA SHEET

ARUBA CLEARPASS UNIVERSAL PROFILER

Identify everything connected to wired and wireless networks

KEY BENEFITS

- Automatically find all managed, unmanaged and IoT devices
- Monitor any wired or wireless multi-vendor network
- Uses active and passive profiling methods – DHCP, SNMP, and more
- See what devices come and go from the network
- Built-in profile update feed for new or unknown devices
- Low cost entry point lets you scale to any size network
- Easily start with profiling and move to policy enforcement, when needed

OVERVIEW

As every connected device today is a potential attack point, knowing what is on your network is the first step to securing your data. It's no longer acceptable to estimate the total number of devices on your network and whether they are IT-managed laptops, unmanaged smartphones or IoT devices. And given that the number of IoT devices is expected to grow into the billions, knowing what's on the network has become IT's biggest challenge.

IoT devices may be deployed by IT, facilities, or even brought in from home by employees, so understanding what they are and how they're being used is critical. In fact, as hackers figure out how to exploit vulnerabilities, knowing what should be on a network and what is not allowed is needed for both internal and external compliance, regardless of the industry.

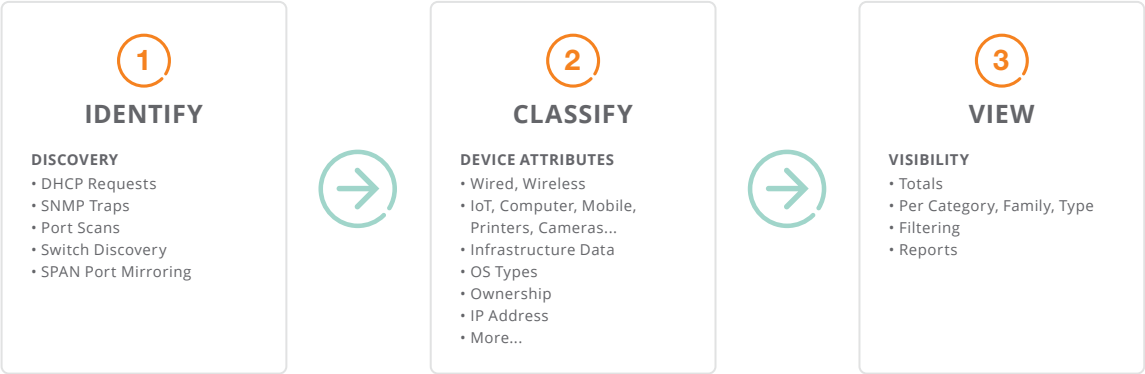
The Aruba ClearPass Universal Profiler is designed to automatically give you that granular visibility into all connected devices, even controllers and switches. A customizable dashboard lets you see categories and families of devices and individual attributes for everything connected. No agents or initial investment in a network access control (NAC) or policy management solution is needed.

And, as security requirements change, it's easy to migrate from pure profiling to a comprehensive policy and enforcement solution, when needed. This is something that the competition can't offer.

REAL-TIME DISCOVERY AND FINGERPRINTING

The ClearPass Universal Profiler automatically identifies all devices on your network by leveraging DHCP, SNMP, and other methods on both wired and wireless, with minimal set-up—even in multi-vendor environments. In addition to an initial discovery, Universal Profiler identifies any new devices and the attributes that change on existing devices, too.

It's never been easier to gather information about device categories, manufacturers, connection methods, OS types and version numbers, and IP addresses. You now have the visibility needed for security and network performance optimization that allows your business to thrive while delivering a secure and reliable user experience.



Granular device discovery, categorization and visibility

VISIBILITY FROM ONE CENTRAL LOCATION

The ClearPass Universal Profiler also delivers an intuitive web-based interface that is simple to administer, shows device totals and devices per category, host names, device vendor information, and if the devices are online or off. Visual graphs make it easy to track what's on the network and allows you to drill down to see device specific attributes. All from your office or while on the road.

A filtering option easily lets you find the one device that may require extra attention – maybe it shouldn't be on the network, or is exhibiting suspect security behavior. Or perhaps you want to find out a little more about a new IoT device that is connected to a wired port in a remote office. No more hunting for devices across multiple tools.

PROFILING IS YOUR SECURITY LAUNCH POINT

Just as vulnerability scans are critical to identifying security gaps within servers and other resources, identifying all IP-enabled devices is critical from a security standpoint, and for audit and compliance requirements. What you do with the profiling information is what makes the difference. Device visibility is easily applied to adjust policies on existing firewalls, SIEM, UBA, and other solutions.

For more comprehensive controls, a simple migration path from Aruba ClearPass Universal Profiler to the Aruba ClearPass Policy Manager ensures that automated policy enforcement is easily implemented for real-time access security. Managed, unmanaged and IoT devices are allowed onto a network based on category, OS version, ownership, or other attributes.

KEY FEATURES

- Identify all IP-enabled devices: laptops, smartphones, switches, controllers, routers
- Easily view per device attributes:
  - Type – printer, HVAC sensor, laptop, IV Pump, and more
  - Model name
  - MAC address
  - IP address
  - NIC vendor
  - Operating system type and version number
  - Associated switch port
  - VLAN
- Web-based dashboard: Dynamic visibility, reporting and tiered admin access
- Simple to read device totals: Categories, family, and specific vendor names
- Continuous insight: See all devices connecting and profiled over time
- Compilation of device connectivity: View information like IP subnet, wired/wireless
- Simple administration: Easily monitor the heath metrics of all profiler nodes
- Vendor-agnostic: Built to work in multi-vendor wired and wireless networks
- No agents required: Leverages DHCP, SNMP and other methods

ORDERING GUIDANCE

The ClearPass Universal Profiler will be available via subscription licenses that include support. For simplicity, there will be a single part number that covers licensing for 100 devices. For example, for deployments that contain 2,060 devices, the guidance is to order 21 instances of the part number below. This allows the ClearPass Universal Profiler software to run on a virtual appliance.

SYSTEM REQUIREMENTS

The ClearPass Universal Profiler will only be available in a virtual appliance format. VMware ESX is the supported platform. Based on the number of devices discovered within an environment, there are three sizing recommendations for a virtual appliance (specifications provided upon request):

- Up to 2,000 devices
- Up to 20,000 devices
- Up to 100,000 devices

ORDERING INFORMATION

Part Number	Description
JY914AAE	Aruba CP Univ Profiler 100 EP 1yr E-STU – Aruba ClearPass Universal Profiler 100 Endpoint Licenses 1yr Subscription E-STU
JY981AAE	Aruba CP Univ Profiler 100 EP 3yr E-STU – Aruba ClearPass Universal Profiler 100 Endpoint Licenses 3yr Subscription E-STU

For more information on Aruba's Universal Profiler, visit www.arubanetworks.com/products/security/network-access-control/clearpass-universal-profiler/.

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