Overview

Aruba ClearPass OnBoard Software
A ClearPass Policy Manager Application

Product overview

Automated mobile device provisioning and configuration for secure BYOD

ClearPass Onboard automatically configures and provisions mobile devices – Windows desktop, Mac OS X, iOS, Ubuntu, Chromebook and Android 2.2 and above – enabling them to securely connect to enterprise networks in support of BYOD initiatives.

IT can automatically give employees, contractors and partner's permission to self-configure their personal devices. The ClearPass Onboard portal dynamically detects a device's operating system and guides the user through the appropriate steps.

This provides an incredibly simple way to configure wireless, wired and VPN settings, apply unique per device certificates and profiles, and ensure that users can securely connect their devices to 802.1X- enabled networks with minimal IT interaction.

ClearPass Onboard also increases the amount of usable context for troubleshooting, user- and device-based policies, and compliance reporting per each device.

The result is a streamlined workflow that allows IT helpdesk personnel to efficiently automate multiple processes that are required to successfully carry out BYOD initiatives while offloading IT and improving the user experience.

The ClearPass Advantage
With the industry's most advanced auto-provisioning features, onboarding thousands of devices is amazingly simple via integrated policy management, customizable user-facing portal, and built-in CA.

Automated policy management

With ClearPass, IT can use context collected during onboarding to enforce device type and ownership-based network access policies. Centrally-defined policies also limit the types of devices that can be onboarded and define which user groups can onboard devices.

Key Features
- Enables users to self-register and securely onboard multiple devices
- Supports Windows, Mac OS X, iOS, Android, Chromebook and Ubuntu operating systems
- Sponsor-based onboarding allows for custom workflows
- Active Directory and social login credential authentication supported
- Automates the configuration of network settings for wired and wireless endpoints
- Unique provisioning and revocation of device- specific credentials and certificates
- Contains built-in certificate authority specifically for BYOD
- Uses profiling to identify device type, manufacturer and model
- Provides BYOD visibility and centralized policy management capabilities

Hewlett Packard Enterprise

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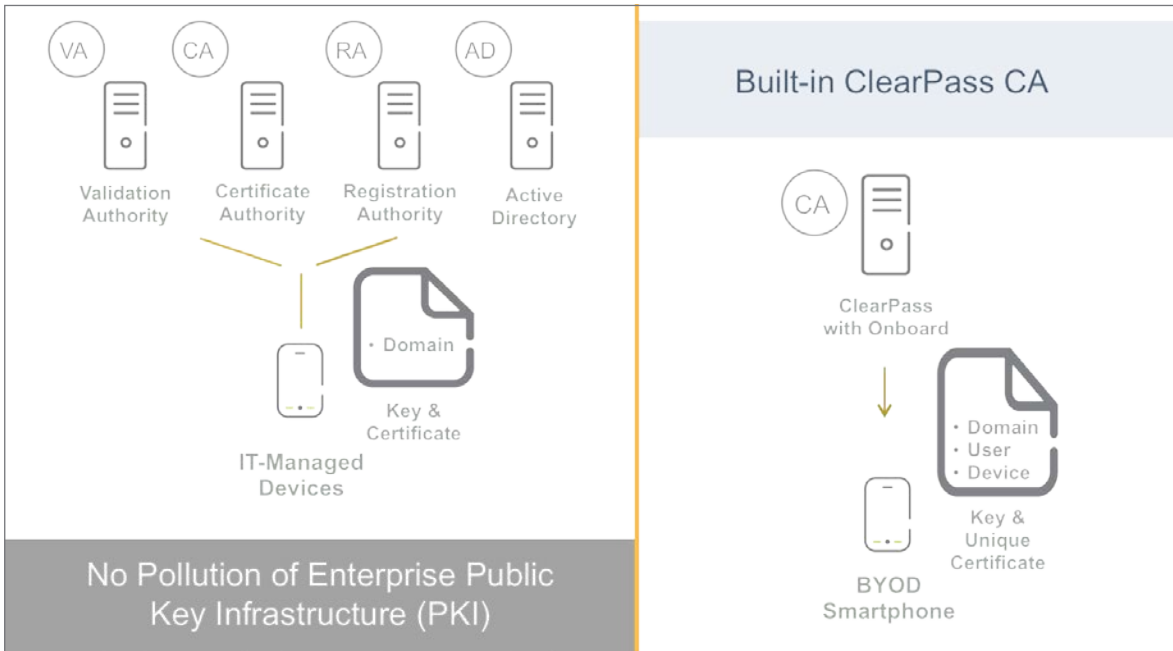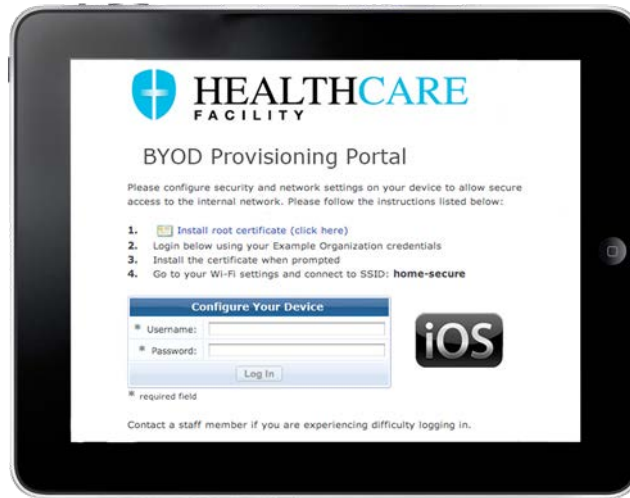
Built-in certificate authority simplifies administration for BYO devices

Features and Benefits

Flexible workflow options
The onboard configuration process can be managed via IT-enabled and sponsor required workflows. User authentication can prompt for active directory or social login credentials.

Customized device provisioning
A centrally managed administrator portal allows IT to configure device certificates and trust details, network access, VPN, and health check settings, and authentication protocols for wireless and wired networks.

The IT staff can also define the number of devices that can be onboarded per user and how long their certificates are valid.

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Advanced Onboarding Capabilities

Built-in certificate authority for BYOD

The distribution of published device credentials through ClearPass Onboard's built-in certificate authority (CA) safeguards organizations that want to adopt BYOD initiative's without requiring the implementation of an external certificate authority. ClearPass Onboard issued certificates are unique as they also include specific user and device context.

The Onboard CA provides the option to utilize certificate management without the need to make changes to an internal public key infrastructure (PKI) or active directory (AD).
ClearPass also supports the distribution of Onboard generated certificates requested by third-party applications – mobile device management (MDM) or enterprise mobility management (EMM) – through SCEP and EST (RFC 7030) protocols.

Revocation of unique certificates

Easy-to-use search and menu-driven capabilities ensure the rapid revocation and deletion of certificates for specific mobile devices if a user leaves a organization or the mobile device is lost or stolen.
Online Certificate Status Protocol (OCSP) supported.

Details of unique credentials for OnBoarded BYOD endpoints

Ordering Guidance

ClearPass Onboard can be ordered via perpetual license or subscription that includes ArubaCare for the length of the subscription. Available Enterprise options provide the ability for organizations to flexibly use the licenses for ClearPass Onboard, Guest or OnGuard.

Ordering ClearPass Onboard involves the following three steps:
1. Determine the number of unique endpoints that users will provision within your environment.
2. Select the total number of OnBoard licenses. Anything over the capacity of a base appliance will require the purchase of a second Policy Manager appliance.
3. Choose the appropriate ClearPass Policy Manager hardware or virtual appliances to accommodate the total number from

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above.

Example – To support the provisioning of 2000 total devices, ensure that the Policy Manager platform is sized to accommodate the 2000 devices and any other endpoints that will authenticate via 802.1X, MAC auth, etc.
Purchase the following:

- ClearPass Hardware Appliance – CP-HA-5K
- ClearPass Onboard – 2 X LIC-CP-OB-1K

Additional Onboard capacity can be purchased at any time to meet growth demands

Configuration

Ordering Information

Description	Part Number
Aruba ClearPass Onboard 100 Device License E-LTU	JW577AAE
Aruba ClearPass Onboard 500 Device License E-LTU	JW578AAE
Aruba ClearPass Onboard 1K Device License E-LTU	JW579AAE
Aruba ClearPass Onboard 2500 Device License E-LTU	JW580AAE
Aruba ClearPass Onboard 5K Device License E-LTU	JW581AAE
Aruba ClearPass Onboard 10K Device License E-LTU	JW582AAE
Aruba ClearPass Onboard 25K Device License E-LTU	JW583AAE
Aruba ClearPass Onboard 50K Device License E-LTU	JW584AAE
Aruba ClearPass Onboard 100K Device License E-LTU	JW585AAE

Enterprise Perpetual Part Number	
Aruba ClearPass Enterprise 100 Endpoint License E-LTU	JW595AAE
Aruba ClearPass Enterprise 100K Endpoint License E-LTU	JW603AAE
Aruba ClearPass Enterprise 10K Endpoint License E-LTU	JW600AAE
Aruba ClearPass Enterprise 1K Endpoint License E-LTU	JW597AAE
Aruba ClearPass Enterprise 2500 Endpoint License E-LTU	JW598AAE
Aruba ClearPass Enterprise 25K Endpoint License E-LTU	JW601AAE
Aruba ClearPass Enterprise 500 Endpoint License E-LTU	JW596AAE
Aruba ClearPass Enterprise 50K Endpoint License E-LTU	JW602AAE
Aruba ClearPass Enterprise 5K Endpoint License E-LTU	JW599AAE

Onboard Subscription Part Numbers	
Aruba ClearPass Onboard 100 Device Licenses 1-Year Subscription E-STU	JW365AAE
Aruba ClearPass Onboard 100K Device Licenses 1-Year Subscription E-STU	JW373AAE
Aruba ClearPass Onboard 10K Device Licenses 1-Year Subscription E-STU	JW370AAE
Aruba ClearPass Onboard 1K Device Licenses 1-Year Subscription E-STU	JW367AAE
Aruba ClearPass Onboard 2500 Device Licenses 1-Year Subscription E-STU	JW368AAE
Aruba ClearPass Onboard 25K Device Licenses 1-Year Subscription E-STU	JW371AAE
Aruba ClearPass Onboard 500 Device Licenses 1-Year Subscription E-STU	JW366AAE
Aruba ClearPass Onboard 50K Device Licenses 1-Year Subscription E-STU	JW372AAE
Aruba ClearPass Onboard 5K Device Licenses 1-Year Subscription E-STU	JW369AAE
Aruba ClearPass Onboard 100 Device Licenses 3-Year Subscription E-STU	JW374AAE
Aruba ClearPass Onboard 100K Device Licenses 3-Year Subscription E-STU	JW382AAE
Aruba ClearPass Onboard 10K Device Licenses 3-Year Subscription E-STU	JW379AAE
Aruba ClearPass Onboard 1K Device Licenses 3-Year Subscription E-STU	JW376AAE
Aruba ClearPass Onboard 2500 Device Licenses 3-Year Subscription E-STU	JW377AAE
Aruba ClearPass Onboard 25K Device Licenses 3-Year Subscription E-STU	JW380AAE
Aruba ClearPass Onboard 500 Device Licenses 3-Year Subscription E-STU	JW375AAE
Aruba ClearPass Onboard 50K Device Licenses 3-Year Subscription E-STU	JW381AAE
Aruba ClearPass Onboard 5K Device Licenses 3-Year Subscription E-STU	JW378AAE
Aruba ClearPass Onboard 100 Device Licenses 5-Year Subscription E-STU	JW383AAE
Aruba ClearPass Onboard 100K Device Licenses 5-Year Subscription E-STU	JW391AAE
Aruba ClearPass Onboard 10K Device Licenses 5-Year Subscription E-STU	JW388AAE
Aruba ClearPass Onboard 1K Device Licenses 5-Year Subscription E-STU	JW385AAE
Aruba ClearPass Onboard 2500 Device Licenses 5-Year Subscription E-STU	JW386AAE

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Aruba ClearPass Onboard 25K Device Licenses 5-Year Subscription E-STU   JW389AAE
Aruba ClearPass Onboard 500 Device Licenses 5-Year Subscription E-STU   JW384AAE
Aruba ClearPass Onboard 50K Device Licenses 5-Year Subscription E-STU   JW390AAE
Aruba ClearPass Onboard 5K Device Licenses 5-Year Subscription E-STU   JW387AAE

Enterprise Subscription Part Numbers

Aruba ClearPass Enterprise 100 Endpoint Licenses 1-Year Subscription E-STU   JW338AAE
Aruba ClearPass Enterprise 100K Endpoint Licenses 1-Year Subscription E-STU   JW346AAE
Aruba ClearPass Enterprise 10K Endpoint Licenses 1-Year Subscription E-STU   JW343AAE
Aruba ClearPass Enterprise 1K Endpoint Licenses 1-Year Subscription E-STU   JW340AAE
Aruba ClearPass Enterprise 2500 Endpoint Licenses 1-Year Subscription E-STU   JW341AAE
Aruba ClearPass Enterprise 25K Endpoint Licenses 1-Year Subscription E-STU   JW344AAE
Aruba ClearPass Enterprise 500 Endpoint Licenses 1-Year Subscription E-STU   JW339AAE
Aruba ClearPass Enterprise 50K Endpoint Licenses 1-Year Subscription E-STU   JW345AAE
Aruba ClearPass Enterprise 5K Endpoint Licenses 1-Year Subscription E-STU   JW342AAE
Aruba ClearPass Enterprise 100 Endpoint Licenses 3-Year Subscription E-STU   JW347AAE
Aruba ClearPass Enterprise 100K Endpoint Licenses 3-Year Subscription E-STU   JW355AAE
Aruba ClearPass Enterprise 10K Endpoint Licenses 3-Year Subscription E-STU   JW352AAE
Aruba ClearPass Enterprise 1K Endpoint Licenses 3-Year Subscription E-STU   JW349AAE
Aruba ClearPass Enterprise 2500 Endpoint Licenses 3-Year Subscription E-STU   JW350AAE
Aruba ClearPass Enterprise 25K Endpoint Licenses 3-Year Subscription E-STU   JW353AAE
Aruba ClearPass Enterprise 500 Endpoint Licenses 3-Year Subscription E-STU   JW348AAE
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Aruba ClearPass Enterprise 2500 Endpoint Licenses 5-Year Subscription E-STU   JW359AAE
Aruba ClearPass Enterprise 25K Endpoint Licenses 5-Year Subscription E-STU   JW362AAE
Aruba ClearPass Enterprise 500 Endpoint Licenses 5-Year Subscription E-STU   JW357AAE
Aruba ClearPass Enterprise 50K Endpoint Licenses 5-Year Subscription E-STU   JW363AAE
Aruba ClearPass Enterprise 5K Endpoint Licenses 5-Year Subscription E-STU   JW360AAE

Warranty
90 days**   Software

* Subscription and enterprise licenses can be purchased in 1-, 3- or 5-year increments for 100, 500, 1,000, 2,500, 5,000, 10,000, 25,000, 50,000, and 100,000 endpoints
** Extended with support contract

Summary of Changes

Date	Version History	Action	Description of Change
01-Nov-2016	Version 1	Created	Document creation.

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