USER GUIDE



Cloudpath Enrollment System for Linux Devices End-User Guide, 5.4

Supporting Cloudpath Software Release 5.4

Part Number: 800-72176-001 Rev A Publication Date: 08 March 2019

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Overview

The Cloudpath Enrollment System (ES) automates WPA2-Enterprise configuration on any device that connects to the network and automatically connects the device to a secure SSID. This Automated Device Enablement (ADE) means authorized devices onboard simply and securely, with the appropriate level of access.

Cloudpath supports all operating systems including Windows, Mac OS X, iOS, Android, Linux, Chromebooks, and more.

This document provides an example of the end-user process for using Cloudpath to migrate a device running a Linux operating system to the secure network.

Supported Versions

Cloudpath supports the following Linux versions with automated configuration:

- Ubuntu version 14.04 and later
- Fedora version 20 and later

All earlier versions are supported with manual configuration.

Cloudpath User Experience

Cloudpath provides the prompts that guide the user through the sequence of steps that make up the enrollment workflow. During this process, the user enters information as requested, and makes selections about user type, device type, among others.

Enrollment User Prompts

This section displays the user prompts for a typical enrollment workflow. The sequence of steps for the enrollment can differ, depending on the selection that is made.

Welcome Screen With AUP

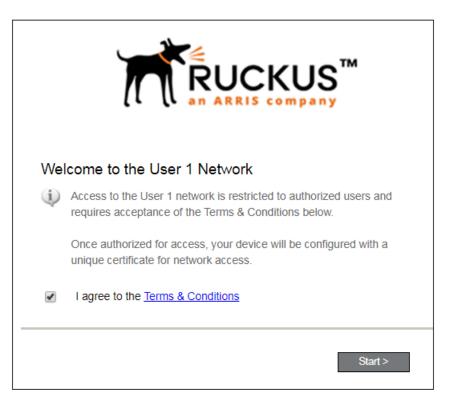
When the user enters the enrollment URL on their device, the Login (or Welcome) screen displays.

The Login screen is typically customized with the logo, colors, and text for the organization or institution. The screens in this example use the default look and feel of the application.

NOTE

If you have set up a captive portal, the user connects to onboarding SSID and is redirected to the Cloudpath Welcome page to start the enrollment process.

FIGURE 1 Welcome Screen



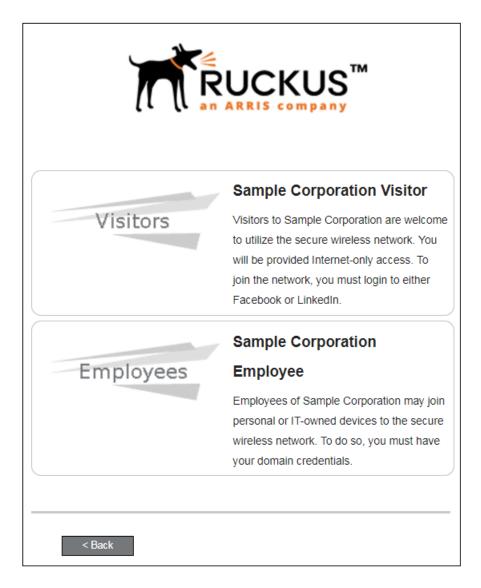
An acceptable use policy (AUP) prompt displays a message and requires that the user signal acceptance to continue. The welcome text and Start button can be customized.

Click **Start** to continue.

User Type

If required by the network, the user might receive a User Type prompt. For example, an Employee might be required to enter domain credentials, and a Guest or Partner might be required to enroll using their social media credentials.

FIGURE 2 User Type Prompt



Select the user type to continue. This example follows the *Employee* workflow branch.

User Credentials

If required by the network, a prompt similar to the one below requires the user to enter network credentials.

FIGURE 3 User Credential Prompt

Your username and password are required to access the network.					
Username:					
Password:					
Need Assistance?					
< Back Continue >					

Enter the user credentials and click **Continue**.

Device Type

If required by the network, the user might receive a Device Type prompt.

An example is that a personal device selection might add a prompt for a MAC address, and an IT-Issued device would be allowed to bypass the MAC address prompt.

FIGURE 4 Device Type Prompt

	Personal Device				
Personal Device					
	IT-Issued Device				
IT-Issued Device					
< Back					

Select a device type to continue. This example follows the IT-Issued Device enrollment workflow.

Voucher Code

Your network might require that you enter a voucher (one-time password) as an additional verification step. Vouchers are typically sent email or SMS from a network sponsor or administrator.

FIGURE 5 Voucher Code Prompt

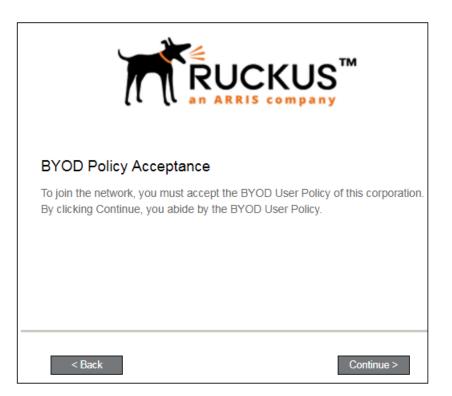
Enter the voucher that you received.				
Voucher:				
< Back Continue >				

Enter the voucher code and click **Continue**.

BYOD Policy

If configured by the network administrator, you may be prompted to agree to the terms and policies of the network before you can continue with BYOD configuration.

FIGURE 6 BYOD Policy



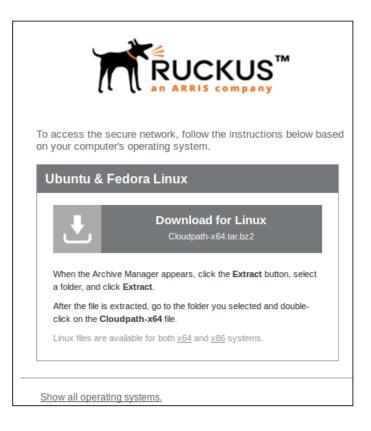
Click **Start** to continue.

After the enrollment prompts, the user will download and run the configuration Wizard to migrate the device to the secure network.

Linux Download Page

The application detects the user agent for a Fedora or Ubuntu operating system and provides the correct configuration instructions. This screen includes the steps to install the application and to configure the device.

FIGURE 7 Linux Download Page



Click the **down arrow** to download the tar file, which contains the application files.

Open Downloaded Files

You can either **Open** with Archive Manager or **Save** to the Downloads folder. The Archive Manager automatically opens the files to extract. You must double-click the tar file in the Downloads folder to open and extract them.

FIGURE 8 Open Download File

😣 🗊 Opening Clou	udpath-x64.tar.bz2				
You have chosen to open:					
Cloudpath-x64.tar.bz2					
which is: Zip archive (13.5 MB) from: https://anna43.cloudpath.net					
What should Firefox do with this file?					
Open with	Archive Manager (default)				
◯ <u>S</u> ave File					
Do this <u>a</u> utomatically for files like this from now on.					
	Cancel OK				

Click **OK** to continue.

Extract Downloaded Files

Extract the application files that were downloaded.

FIGURE 9 Select Files to be Extracted

😸 🗇 🗊 Cloudpath-x64.tar.bz2 [read only]						
Extract +			٩ =			
< > Location: /						
Name 🔺	Size	Туре	Modified			
Files	0 bytes	Folder	02 August 2017, 16			
Cloudpath-x64	14.2 MB	unknown	02 August 2017, 16			
network_config.xml	157.0 kB	XML docu	02 August 2017, 16			
resources.properties	19.0 kB	unknown	02 August 2017, 16			
session.properties	126 bytes	unknown	02 August 2017, 16			

Select all files and click **Extract**. Choose a location for the extracted files and click **OK**.

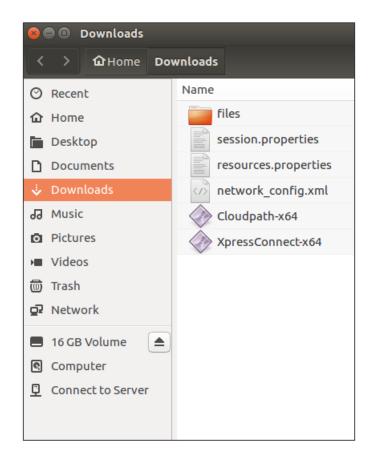
Open Application File

Double-click the **Cloudpath-x64** file to start the application.

NOTE

If you are running a 32-bit OS, run the **Cloudpath-x86** file.

FIGURE 10 Open Application File



The Wizard runs through the configuration and migration process.

Wizard Application User Experience

After the user has gone through the enrollment prompts, the Wizard runs to configure the wireless network settings on the device.

Configuring the Device

The configuration process begins. A screen may appear to indicate that the device is being configured.

The application continues by attempting to associate to the wireless network.

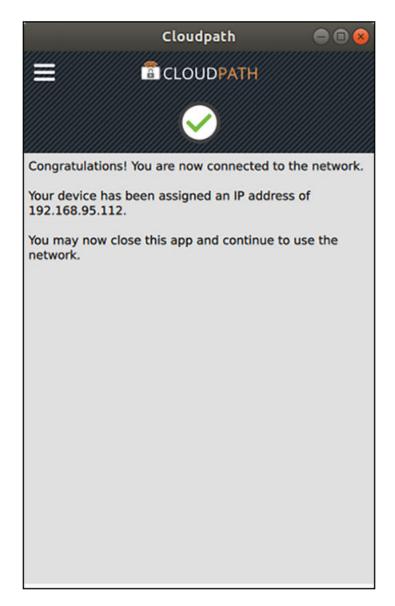
When the association with the secure network is successful, the application attempts to acquire a network address. A screen may briefly appear to indicate that connectivity is being validated.

The application continues with the connection process.

Connected to Secure Network

When the application displays a message that you have received an IP address, you are connected to the secure network.

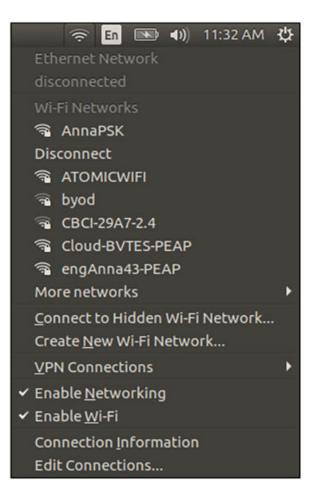
FIGURE 11 Connected to Secure Network



View Network Connection

View the wireless network to verify the Wi-Fi network name.

FIGURE 12 View Wireless Network



The Wi-Fi setting displays the secure network.



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