Kofax Unified Client for HP

Release Notes

Version: 1.1.0

Date: 2020-06-15

KOFAX

Release History

Version	Released	Affected	Description of Change
1.0.0	June 15, 2020	All	Initial release.

Contents

1   Purpose

This document summarizes and communicates the new features, requirements, and known issues for Kofax Unified Client for HP.

2   Scope

This document includes an overview of the features and known issues at this time.

3   Features in this release

Product Introduction		
Feature	**Description**	**Benefit**
Updated unified client for HP with ControlSuite	Updated Unified Client that provides ControlSuite authentication, document and data capture capability and print release direct on the panel of supported HP devices. This Unified Client is supported with: • ControlSuite version 1.1 with Fix Pack 2 (or higher). • Device Registration Service (DRS) version 8.1.1 (or higher). • Device Web Server (DWS) version 5.10.0 (or higher). Or, individual server components: • Equitrac version 6.1 with Fix Pack 2 (or higher). • AutoStore version 8.1 with Fix Pack 2 (or higher).	Provides an enterprise print and data capture solution that orchestrates the secure release of print jobs and delivery of paper, electronic documents and data into business applications directly on the panel of supported HP devices.
Seamless integration between Kofax print and capture solutions as part of ControlSuite	The Unified Client will allow the user to seamlessly and simply login and access print & capture workflows provided by ControlSuite within one single embedded application on the device. Print transactions that are recorded through the print component and Scan transactions that are carried out through the capture component on the device are recorded within the reporting	Provides a single print and capture workflow user experience that increases productivity and reduces the time to access document workflows in a single user session at the device. The ability to track print and scan activity in a single session reduces production costs and provides a concise performance view of the

	database (depending on configuration). This also extends to native device copy and scan transactions should the device allow.	business process which allows administrators to make adjustments where necessary.
Built for HP FutureSmart 4 enabled devices	The Unified Client is built with the latest HP FutureSmart 4 platform that ensures that latest device features and functions can be supported with this client.	Provide a new modern experience with secure print release direct on the panel of supported HP FutureSmart 4 enabled devices.
HP Secure by Default Compliant	The Unified Client has been designed with HP Secure by Default that ensures that latest device security features can be supported with this client.	Increased security allowing customers to follow HP best practice for securing their devices before or after installation of Kofax ControlSuite.
Supported Languages for Unified Client	The Unified Client is localized and supports the following languages: • English, French, Italian, German, Spanish and Portuguese	Partners and customers can deploy the embedded client into local deployments with localized language support for countries listed in the description of the feature.

User Experience		
Feature	**Description**	**Benefit**
Logon Screen	When using the ControlSuite authentication module, the Unified Client can be configured to display a Logon Screen that provides a quick and easy logon experience by inputting a Username and Password or PIN1/PIN2 or by swiping an ID card. The Logon Screen also has navigation shortcuts to pre-set Workflows that the user can select to be taken to after logon. An indicator is shown to inform the user of multiple screens that can be accessed via a swipe gesture.	Increased level of device security, where only authenticated users with valid credentials are able to access functionality of the device.
Card Registration Screen	When using the ControlSuite authentication module, the Unified Client can display a Card Registration Screen that allows the user to register their ID card against their user account in ControlSuite. After this card is	Increased user satisfaction and productivity as well as reduction in support calls as users can register their card details directly in the interface on the device without additional support.

	registered, this card can be used to allow the user to logon.	
Billing Code Selection Screen	When using the ControlSuite authentication module, the Unified Client can display a Billing Code selection screen immediately after logon where the user is able to search for a billing code for tracking purposes. The user can also select if jobs carried out within this session are billable or non-billable.	Increased user satisfaction and productivity as users are able to bill their print, copy and scan usage to billing accounts directly on the interface of the device.
Launcher Screen	The Unified Client will display a Launcher screen where the user can simply and quickly access their pre-determined print and capture workflows.	Increased user satisfaction and productivity with a simplified workflow launcher screen to access and start print and capture functions within the embedded application on the device.
Print Release Screen	The Unified Client provides a fully refreshed secure print release screen with a minimalist approach with only major user interactions buttons present to keep screen concise and relevant to user interaction.	Increased user satisfaction and productivity as users can access their securely held print jobs delivered via ControlSuite directly on the interface of the device.
Print Job Info Screen	The Unified Client allows the user to select a Print Job Info Screen that shows detailed information for selected print jobs. The user can navigate the arrow buttons at the bottom of the screen to see additional details for multiple print jobs that have been selected.	Increased user satisfaction as users can review detailed information of a print jobs before they release it.
Capture Screen	The Unified Client displays a workflow screen for Capture workflows. The screen will display prompts to allow the user to complete a basic form whilst allowing the user to start the capture workflow and change scan settings.	Increased user satisfaction and productivity as users can access advanced scanning functionality delivered via ControlSuite directly on the interface of the device.
Scan Settings Screen	The Unified Client provides a screen that allows the user to select and change the default scan settings that are attributed to the scan job.	Increased user satisfaction and productivity as users are able to tailor their scan job to their requirements through the use of scan settings.

Inline Error & Status Alerts via Notification Bar	The Unified Client will display inline error and status alerts that will display immediate alerts to the user via the Notification Bar within the 'Kofax-owned' User Interface, these alerts will provide clear concise information in an attempt to resolve user issues immediately. These displayed alerts will auto fade from view but can be viewed again by pressing the notification bar icon, these alerts can also be deleted, and all alerts are purged from the display after session logout. There is also a clear all button for removing all notifications.	Increased user satisfaction and adoption since the alerts and messages provide direct feedback to the user and promote an interactive experience. Users can immediately resolve issues at the panel instead of in a downstream process.
(Server) Status Screen	The Unified Client can display the current connection status to the connected ControlSuite servers, this includes three states – Online, Offline or Connecting. The connected server address or hostname is also shown.

This screen can be opened via the settings menu at the top of the screen and the screen will automatically show in the event of a network outage. | Increased user satisfaction as the client can provide immediate notification to the user of a network outage condition.

In addition, this status screen provides valuable information to the service/support teams in isolating error conditions on-site. |
| About Screen | The Unified Client can display an About Screen that will relay information regarding the application such as name of application and version number. | Simple method for service technicians to know the version number of the Unified Client is being used on the device. |

User Authentication and Usage Tracking		
Feature	**Description**	**Benefit**
Username and Password	The Unified Client can accept input of a username and password to start a secure user session within the client, these user credentials match to the user's network logon that is integrated into directory services. The security of the password is maintained via character masking.	Increased level of device security where only authenticated users with valid credentials are able to access secure print and capture workflows delivered via ControlSuite.
PIN1 and PIN2	When using the ControlSuite authentication module, the Unified Client accepts input of all supported types of numeric PINs. The numeric PINs uniquely	Increased level of device security where only authenticated users with valid PIN credentials are able to access

	identify the logged-on user who is accessing the device through the client. The security of PIN2 is maintained via character masking.	secure print and capture workflows delivered via ControlSuite.
Card Swipe	When using the ControlSuite authentication module, the Unified Client accepts card swipe input to identify the user against their server-side credentials, the card swipe action can be combined with entry or additional data via PIN2 for added security if required.	Increased level of device security where only authenticated users are able to access secure print and capture workflows delivered via ControlSuite.
Card Self Registration	When using the ControlSuite authentication module, the Unified Client will allow an unregistered card to be swiped and the user is then prompted to manually login using their network credentials to register their card's PIN number.	Increased user satisfaction and productivity as well as reduction in support calls as users can register their card details directly in the interface on the device without additional support.
Mobile Authentication via Kofax Business Connect	When using the ControlSuite authentication module, the Unified Client can accept user authentication via the use of mobile devices with the Kofax Business Connect application. *Please note that this functionality is only provided when Kofax Micro Card Reader is used.*	Increased level of device security, where only authenticated users are able to access secure print and capture workflows delivered via ControlSuite.
Allow anonymous user to bypass logon prompts	When using the ControlSuite authentication module, the Unified Client can be configured to allow for guest users to bypass the standard logon prompts and have their subsequent print, copy and scan usage charged to a pre-determined account within ControlSuite.	Provides a simple and user-friendly experience for guest users that is configurable to the needs of the organization.
Campus Card Authentication	When using the ControlSuite education authentication module, the Unified Client can be configured to allow for uses to select accounts from a campus card system for chargeback purposes.	Provides a method for education customers to charge print, copy, scan usage on the device to campus cards systems.
Transaction Reporting	When using the ControlSuite reporting module, the user sessions on the Unified Client will record print, copy and scan activity at the device, this activity can be	Provides transparency into device costs for document transactions, helps reduce the financial burden of spiraling print and copy costs,

	recorded against the user, the dept that the user resides in or a billing code that the user has chosen for this transaction. The recorded transactional data is sent to the centralized database for reporting purposes.	allows constraints to be applied where necessary and provides awareness of document production costs to the customer and partners.
Account Limits for Print & Copy	When using the ControlSuite authentication module, the Unified Client can allow ControlSuite account limits and usage enforcement on copy and print jobs. Escrow for print jobs is also supported, where the print job is priced from the job data beforehand and funds from the users account are set in escrow until the job is completed. Once the job is complete, the funds are released from escrow and the appropriate value is debited from the users account. If there are insufficient funds, the print job is denied and the funds are not escrowed.	Provides organizations more control to manage pay for printing and provides awareness of document production costs to the customer and partners.
Billing Codes	When using the ControlSuite authentication module, the Unified Client can be configured to pop-up a billing code screen for print and copy transactions and this billing code is applied to the transaction for billing purposes.	Increases user satisfaction and productivity by allowing users to set billing codes against selected jobs within the print release or copy workflow.

Card Reader		
Feature	**Description**	**Benefit**
Kofax Card Readers	When using the ControlSuite authentication module, the Unified Client supports Kofax Micro USB Card Readers.	Increased user satisfaction with using card readers that are developed alongside the embedded application. Allows partners to order card readers from same price list as the core ControlSuite software.
Usage of Third-Party Card Readers	When using the ControlSuite authentication module, the Unified Client allows for the usage of HP and additional third-party card readers. An associated third-party card reader license will be required. A list of third-party card readers that have had basic testing are as follows:	Increased user adoption as partners and resellers can use their own supplied card readers for user authentication onto the Unified Client.

- HP Universal Card Reader
- HP HIP2 Keystroke Reader
- Elatec TWN3
- Elatec TWN4
- RFIDeas pcProx RDR-7L81AKU
- RFIDeas pcProx RDR-80581AKU

Print Workflows

Feature	Description	Benefit
Print Release	With ControlSuite print, the Unified Client can display a print release screen that the logged-on user can use to release their pending print jobs. The print release screen contains additional print workflow settings for the user that allows print jobs to printed and saved, increase the print volume of the job, force a color job to black n' white, view print job summary, select or deselect all jobs, refresh the pending print jobs and delete print jobs.	Increase in user productivity and satisfaction by providing the user's print jobs that are awaiting release in a single screen, in addition providing an increase in document security as only the document owner is able to access and release their securely held print jobs through the embedded application on the device.
Release All	With ControlSuite print, the Unified Client allows the user to simply release all pending print jobs when the user selects the 'Release All' prompt.	Increase in user productivity and satisfaction, whilst saving time and reducing button presses to release pending securely held print jobs in a single transaction after logging-on.
Output Manager sourced jobs released via release queue	With ControlSuite print, the Unified Client can allow print jobs that originated from Output Manager print queues to be released.	Allows partners and resellers to offer and utilize advanced output management capabilities and have print jobs released through the standard ControlSuite print release screen,

Document and Data Capture Features

Feature	Description	Benefit
Unified Capture Component	The HP Unified Client uses the Unified Capture Component in ControlSuite capture that allows capture workflows to be deployed and used across multiple supported device vendors.	Increased user satisfaction and productivity where standard capture workflows can used across multiple device vendors (Unified Clients only).

Forms Capture	With ControlSuite capture, the Unified Client supports the use of basic forms that provides a selection of advanced capture workflows delivered by ControlSuite capture, this includes the ability to scan to email, scan to folder, scan to workflows as well as scripting support and OCR functionality.	Increased user productivity and satisfaction as users can access advanced scanning functionality delivered via ControlSuite directly on the embedded interface on the device.
Scripting	With ControlSuite capture, the Unified Client allows dynamic scripting that provides flexibility in creating forms especially when it comes to integrating with other systems that do not necessarily have a built-in integration.	Provides simplicity, efficiency, and accuracy of information by ensuring that forms are appropriate to the selected task.
Field Types	With ControlSuite capture, the Unified Client supports the use of ControlSuite capture field types, these field types can be any of the following: List, Lookup List, Text, Date, Numeric, Checkbox, Tree, Label or Button.	Increased user productivity and satisfaction by ensuring that data is entered in the right format such that database lookups can execute correctly and business systems are populated with meaningful information.
Route to Email	With ControlSuite capture, the Unified Client allows documents to be routed to email addresses that are configured on the server. The scan job can be sent to and copied (cc and bcc) to email address. Field and/or Component RRTs can also be used within this workflow.	Increased user satisfaction and productivity as users can access and capture documents direct into pre-configured scan to email workflows that is delivered via ControlSuite capture directly on the embedded interface of the device.
Route to Folder	With ControlSuite capture, the Unified Client allows documents to be routed to folders that shows multiple fields that are configured on the server. The user is able to browse a folder directory and set a default document name, whilst also browsing for a folder path via a local tree structure or UNC structure and can rename the Schema. Field, Component and/or Password RRTs can also be used within this workflow.	Increased user satisfaction and productivity as users can access and capture documents direct into pre-configured scan to folder workflows that is delivered via ControlSuite capture directly on the embedded interface of the device.
Route to SharePoint	With ControlSuite capture, the Unified Client allows documents to be routed to SharePoint servers that shows multiple fields that are configured on the server. The user is able to change and search a	Increased user satisfaction and productivity as users can access advanced scanning functionality via SharePoint that is delivered via

		ControlSuite capture directly on the embedded interface of the device.
Route to Microsoft OneDrive	With ControlSuite capture, the Unified Client allows documents to be routed to OneDrive Business and/or Personal accounts with folder creation and ability to share files publicly or with an email address, whilst maintaining versioning when replacing existing files.	Increased user satisfaction and productivity as users can access advanced scanning functionality via OneDrive that is delivered via ControlSuite capture directly on the embedded interface of the device.

Device Features		
Feature	**Description**	**Benefit**
Device Timeout	The logged-on user is automatically logged out of the active session when the device timeout occurs and all transactions (copy, print and scan) are routed and reported correctly.	Increased level of device security, where the user is logged out of their active user session when then device timeout occurs.
Device Soft Keyboard	The Unified Client will use the device's soft keyboard for user data entry.	Increase in user productivity and satisfaction as the soft keyboard displayed on device will be familiar to the user as used for other device-based activities.
Device Home Button	When the Unified Client is configured as the authentication agent, when the user selects home on the device the user is taken back to the specified home screen on the device.	Increased user adoption and satisfaction as the user can simply return to the specified home screen by pressing the device home button.
Rename Embedded App on device home screen	The system admin can rename the application on the device home screen. This rename process will override any dynamic localization on the end point through device language localization. This configuration is handled via DRS.	Increased user adoption and satisfaction as the application name on the interface of the device can be tailored towards the customer needs.

Installation and Management Features		
Feature	**Description**	**Benefit**
Device Registration Service (DRS)	The configuration of the Unified Client for HP will be handled via the Device Registration Service (DRS). This is a shared service that handles device configuration for both ControlSuite print and capture components and individual products. The version of DRS that supports the Unified Client for HP is DRS version 8.1.1 (or higher).	Provides reseller partners and customers with a centralized tool to configure the Unified Client.
Device Web Server (DWS)	The Kofax Device Web Server (DWS) is used to provide the client interface to the HP device. Dependent on server specification a single DWS instance can support up to 400 devices. The version of DWS that supports the Unified Client for HP is DWS version 5.10.0 (or higher).	Provides reseller partners and the customer system administrator with a centralized service via ControlSuite that facilitates the Unified Client on the device.
TLS Secure Communication	The Unified Client will use TLS 1.2 to secure the connection to the Kofax application server(s).	Provides a secure method to communicate between the device and the backend Kofax servers.
DWS Failover Capability	The Unified Client on the device will allow failover capability for connection to the server-based DWS service that will allow the device to switch to another online configured DWS service in the event of the original DWS going into an offline state. Please note that any in-flight scan or print jobs or inputted meta-data when a failover occurs may not be preserved.	Maximize device uptime with failover capability to ensure device is able to connect to another ControlSuite DWS server in the event of a network outage.
DCE Failover Capability	The Unified Client on the device when configured with ControlSuite print (Equitrac) will allow the DWS service to switch over to another Equitrac DCE service in the event of the original DCE going into an offline state, this allows devices connected to DWS to remain live and facilitate logons, copy access and print release should a network outage occur that	Maximize device uptime with failover capability to ensure that DWS is able to connect to another ControlSuite DCE server in the event of a network outage.

	results in one of the multiple DCE services being unreachable.	
High Availability via Load Balancers	The connected ControlSuite servers and services that the Unified Client utilizes can be configured to use external load balancers for maximum uptime.	Maximize device uptime with failover capability via external load balancers to ensure that ControlSuite servers and services remain available in the event of a network outage.
FIPS 140-2 Compatible	The Unified Client supports the FIPS Advanced Encryption Standard encryption that is used on the ControlSuite capture (AutoStore) server.	Increased security and compliance by allowing US federal government customers to use the client for ControlSuite capture (AutoStore) within a FIPS 140-2 environment.
Embedded Set-Up Guides and Release Notes	The Unified Client and associated services such as DRS and DWS are provided with a supporting set of product documentation that comprises of online Install Guides and Release Notes.	Allows partners to quickly locate technical information on the products to support their pre-sale, deployment and on-going support activities via the Kofax online learning platform.

Supported Devices		
Feature	**Description**	**Benefit**
Supported Devices	The Unified Client is supported on HP Multi-Functional Products (MFP), Single Function Printers (SFP) and Digital Senders that supports the HP FutureSmart 4 framework. Devices with screen sizes of 4.3-inch or 7/8-inch screen sizes are supported. The list of compatible HP devices will be available on the online Kofax supported device matrix at time of launch. The matrix can be accessed at the following URL: https://knowledge.kofax.com/MFD_Productivity/00_Supported_Devices Please search for corresponding product.	Allows partners and customers to deploy the Unified Client for ControlSuite onto HP compatible devices that provides the core ControlSuite feature functionality to latest range of HP FutureSmart 4 compatible Multi-Functional Products (MFP), Single Function Printers (SFP) and Digital Senders. The provided supported device matrix allows partners to quickly locate supported device information to support their pre-sale and deployment activities.

4   Known issues

This section lists issues that you may encounter while working with your Kofax Unified Client for HP product. Workarounds are provided, as applicable.

ID	Description	Resolution
1448658	When a device is set up for AutoStore only with AutoStore configured for no authentication, devices will not transition back to the primary DWS when connection to it is restored. In this case, DWS transition only happens when a DWS goes offline.	
1447977	If you update a previous release of ControlSuite to ControlSuite 1.1 fix pack 2, and DWS is updated from version 5.8 to version 5.10, the old DWS certificate is still used instead of using the new 5.10 certificates.	Complete the following steps: 1. Open Windows Services, right-click **Device Web Server** and select **Stop**. 2. Go to C:\Windows\System32\config\systemprofile\AppData\Local\Nuance\Integrated\DWS\webserver\conf. 3. Delete the following files: dws-root.ca, dws-server-keys.jks, dws-signed-server-key.jks 4. Start DWS in Windows Services. 5. If any device was registered against DWS using the old certificate, remove the old one named "**Nuance DWS CA"** and update the root CA on the device using the C:\Windows\System32\config\systemprofile\AppData\Local\Nuance\Integrated\DWS\webserver\dws-root-ca.der file. 6. Confirm any updated devices still allow login.
1412169	If you enabled the Standard Kofax Guest Authorization level in DRS, and you install a new application on the HP device, the new application might not receive the same Guest permissions.	In DRS, run the **Update Configuration** action to apply the Guest authorization profile to the new application.
1401481	When scanning with the eCopy ShareScan app, the scanning user is charged instead of the billing code if scan tracking is disabled on the Unified Client for HP.	Kofax will consider this in a future release.
1396608	In some uninstall scenarios where connection issues occur, DRS may report a failure message even though the device was removed. If this occurs, you can confirm that the device was removed in the DWS Web Administration page and the device's on-board Web administration page.	

4.1   Color quota

For HP devices, color quota is only enforced during authentication. If you log in with no color quota, then you cannot perform color copies or prints. In-session enforcement of color quota does not happen. Note that overall account balance does take in to consideration the cost of color transactions based on color multiplier.

Due to platform restrictions it is recommended that each user be given a minimum balance to reduce the risk of overrun.

5 Installation requirements

5.1 Kofax Unified Client for HP version

This release supports Kofax Unified Client for HP version 1.1.870 or later. You can find the client version information from the **About** screen when logging in to the client on the HP device.

5.2 Supported Kofax servers

Kofax Unified Client for HP supports the following Kofax servers:
- Equitrac and AutoStore
- Equitrac only
- AutoStore only

5.3 Related documentation

You can access the Kofax Unified Client for HP documentation in the Kofax ControlSuite Web Help. This web help also contains the documentation for all Kofax software products related to the Unified Client, such Equitrac, AutoStore, DRS, and DWS.