

Remote Card Reader Manager for Ricoh

Version 1.4.0 | April 2024

rf <mark>IDEAS</mark>

rf IDEAS Remote Card Reader Manager for Ricoh

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1. Overview

1.1 rf IDEAS Remote Card Reader Manager for Ricoh Overview

The rf IDEAS Remote Card Reader Manager for Ricoh allows technical service professionals to remotely manage rf IDEAS readers attached to Ricoh MFPs. The current version of the application provides the ability to remotely update both Secure .hwg+ files (used to configure reader card types, reader settings, and data formatting) and Secure Blob *.ini files (used to configure Smartcard secure reader settings and security keys (sent to SAM card) for Legic, MIFARE and other Smartcards) to rf IDEAS readers attached to G2, G2.5, and G3 SOPs. End users can either configure readers individually, or a fleet of multiple readers simultaneously.

1.2 Prerequisites & Supported Platforms

1.2.1 Ricoh MFP Prerequisites

In order to use the rf IDEAS Remote Card Reader Manager for Ricoh, you must make sure that the MFPs you are wishing to remotely configure meet the following requirements.

Component	Prerequisites
MFP	G2, G2.5 or G3 SOP
SmartSDK	Version 2.30 (and above) must be installed on each machine The rf IDEAS Remote Card Reader Manager application is not compatible with SmartSDK versions lower than version 2.30. If the SOP(s) you want to remotely configure do not have version 2.30 or higher, you will need to upgrade the SmartSDK to version 2.30 (and above) before you can remotely configure the SOP.
Firmware	Latest MFP firmware must be installed on each machine
HTTPS	HTTPS must be enabled on each MFP
Energy Saving Mode	Make sure Energy Saving Mode is set to 'Low Power Mode' or 'Off'. If the MFP is set to 'Sleep Mode' or Energy Saving 'On', then the Remote Card Reader Manager application will be unable to communicate to the reader while the MFP is in deep energy save / sleep mode.
SOP Application	Applications must use the CIS Interface of the SmartSDK Version 2.30 (and above)
rxconfServlet.zip Plugin	Version 3.8.8 must be installed on each SOP using SDK/J Prior versions of the rxconfServlet.zip plugin may not be compatible. To ensure compatibility, please install rxconfServlet 3.8.8 on all MFPs you wish to remotely configure. If the MFP is using a 3rd party SOP application, that application must be able to install and run operations with rxconfServlet 3.8.8. You may encounter compatibility issues if the 3rd party SOP application is using a prior version of the rxconfServlet.zip plugin.

1.2.2 rf IDEAS Supported Readers

rf IDEAS Models/SKUs

RDR-80xx1xxU RDR-80xx1xxU-RSOP KT-80xx1xxU-RSOP RDR-75x1xxU RDR-7Lx1xxU KT-80xx1xxU RDR-80xx1xxU-G3 RDR-30xx1xxU RDR-30xx1xxU RDR-80Lx1xxU RDR-8Xxx1xxU RDR-8Xxx1xxU RDR-30xx1xxU-MXS



1. Overview

1.2 Compatibility & Supported Platforms

1.2.3 Supported Operating Systems

Window OS

The rf IDEAS Remote Card Reader Manager for Ricoh runs on Java 8 SE. <u>Click here</u> to download Java 8 SE Runtime Environment from Oracle. Oracle account registration required to download.

1.2.4 Required Files

- RfldeasReaderPlugin.zip v1.1.0 and RiDPConfigServletInstaller.zip v2.02.28 Ricoh Card Reader CIS Plugin included in the following download package folder: rf IDEAS Remote Card Reader Manager for Ricoh\resources
- .json file (parameters for CIS Plugin installation, removal, etc.) Sample included in the following download package folder: rf IDEAS Remote Card Reader Manager for Ricoh\resources
- **csv file (list of the target MFPs and their IP address)** Sample included in the following download package folder: rfIDEAS Remote Card Reader Manager for Ricoh\sample_ files
- Secure .hwg+ file Sample included in the following download package folder: rf IDEAS Remote Card Reader Manager for Ricoh\sample_files
- Secure Blob *.ini file Sample included in the following download package folder: rf IDEAS Remote Card Reader Manager for Ricoh\sample_files

1.2.5 Readers Supported per Host

• Number of readers supported per host: 1 connected to the SOP

1.2.6 RICOH INTERNATIONAL B.V. Product Development Notifications

This product has been developed using Ricoh Company Ltd's proprietary embedded architecture or other proprietary Ricoh products.

This rf IDEAS Remote Card Reader Manager for Ricoh User Manual includes information which has been provided by Ricoh Company, Ltd, and such information is © Ricoh Company, Ltd or its licensors. Copying in whole or in part of the Ricoh information without the permission of Ricoh is prohibited, except to the limited extent permitted by mandatory applicable law.

Products

RfldeasReaderPlugin 1667760129

RiDPConfigServletInstaller 1667760130



1. Overview

1.3 Summary of Features

Single Device Configuration



Multi-Device / Fleet Configuration

- a ×
NO
Add Anathor Task
ub-Task addition



2.1 Ricoh MFP

2.1.1 Determine Ricoh Card Reader Vendor ID (VID) and Product ID (PID)

Option 1 – Using the rf IDEAS Configuration Utility

- Plug your rf IDEAS reader into the computer
- Start the rf IDEAS Configuration Utility
 - Can be downloaded here:

rfideas.com/support/tools/downloads

- Click the Connect icon in the left hand nav.
- Once connected, you will see your reader appear under Device List



· Copy the VID and PID shown under Device List



Option 2 - Using Windows Device Manager

- Start Device Manager (Windows OS)
- Locate and Expand Human Interface Devices



 Right-click on the USB input device and select "Properties"

	USB Input Device Properties X	
å Dereshterager File Action View Help I⊨ ⇔ III III III III III	General Dever Details Events	(=) B. X
HD-compliant vendor-det HD-compliant vendor-det HD-compliant vendor-det HD-compliant vendor-det HD-compliant vendor-det	Device type – Hursan Net/Sec Devices – Manufacture (Danisland rightern divocal) Lucation: Pon_#0003.Hub_#0002 Device status	*
 HD compliant winders ind with CLHID Device HD CHID Device HD Device HD Device Monosoft Input Device Monosoft Input Configured HD Device HD HT Device 	Pro denos a sudarg propeto	
We use the set of	OK Canod	
Monitos @ Network adapters Work devices	2	
> IR Plint queues		

- Click the "Details" tab, then set Property to "Hardware IDs"
- · Copy the VID and PID shown under Device List





2.1 Ricoh MFP

2.1.2 Set the Ricoh Card Reader Vendor ID and Product ID on Ricoh MFP

Option 1 - Using the Web Image Monitor (WIM)

- Login into the Web Image Monitor with MFP username + password
 WIM -> Device Management
- Go to Configuration WIM -> Device Management -> Configuration



- Click on Program/Change USB Device List
 WIM -> Device Management -> Configuration -> Program/Change USB Device List
- Enter the four characters collected earlier into respective Vendor ID and Product ID field
 e.g. Vendor ID: "OC27", Product ID "3BFA"
- Enter the characters below into respective Vendor ID and Product ID field
 e.g. Vendor ID: "0C27", Product ID "3CFA"

ОК	Cancel	
If settings are Enter hexaded	changed while t imal numbers (0	he device is connected, reconnect the device or restart the machine to apply the $)$ - 9, a - f, A - F) with a maximum of 4 digits for each ID.
Device 1		
Vendor ID	÷ 0C27	
Product IC	: 3BFA	
Device 2		
Vendor ID	: 0C27	
Product ID	3CFA	



Program	n/Change US	B Device List	
ок	Cancel		
f settings an Inter hexade	e changed while the cimal numbers (0	e device is connected - 9, a - f, A - F) with a	reconnect the device or restart the machine to apply the setting changes maximum of 4 digits for each ID.
Device No.	Vendor ID	Product ID	
Device 1	0C27	3BFA	
Device 2	0C27	3CFA	
Device 3			
Device 4			
Device 5			
Device 6	provident data		
Device 7	1		
Device 8			
Device 9			
Device 10			
	Cancel		



2.1 Ricoh MFP

2.1.2 Set the Ricoh Card Reader Vendor ID and Product ID on Ricoh MFP

Setting Vendor ID and Product ID on G3 Machines



External Device	t de la companya de l
Setting Items	Description
Register/Change USB Device List	Register Product ID and Vendor ID information for an IC card reader device as a set to the device list to limit the usage of USB devices. The "Product ID" and "Vendor ID" information for a USB device have been assigned by the manufacturer to identify the individual device. "Vendor ID" input settings are between 0x0001 and 0xFFFE and "Product ID" input settings are between 0 and 0xFFFF. Up to ten pairs of "Product ID" and "Vendor ID" information can be registered.

• Please reboot (switch off - then on) the device after making those changes.



2.1 Ricoh MFP

2.1.2 Set the Ricoh Card Reader Vendor ID and Product ID on Ricoh MFP

Option 2 - Using the Panel

- Login into the Panel
 Panel -> User Tools
- Go to Machine Settings
 Panel -> User Tools -> Machine Settings
- Click on Program/Change USB Device List
 Panel -> User Tools -> Machine Settings -> Program/Change USB Device List
- Enter the four characters collected earlier into respective Vendor ID and Product ID field
 e.g. Vendor ID: "0C27", Product ID "3BFA"
- Enter the characters below into respective Vendor ID and Product ID field
 - e.g. Vendor ID: "0C27", Product ID "3BFA"

2.1.3 Complete Ricoh MFP Configuration

- Set the "Screen Startup Mode" to Normal
 - The default Screen Startup Mode is "Quick". It boots the screen as fast as possible even though some background applications may not be ready yet.
 - The "Quick" startup mode may cause misunderstanding that device is ready to use.
 - To avoid those misunderstandings, it is recommended to set "Normal" Screen Startup Mode.
- Enable Human Detection Sensor
 - This sensor should be enabled by factory. The settings organization has been changed when migrating models from Classic screen type to the new Standard screen type.
 - The following subsections shows screenshots.
 - Screen type Classic
 - Press [Settings] on the Home screen. Press [Machine Features Settings].
 - Press [System Settings] [General Features] tab [Human Detection Sensor], and then press [Active].
 - Press [OK]. After completing the procedure, press [Home]
 - Screen type Standard
 - Press [Settings] on the Home screen. Press [System Settings].
 - Press [Machine] [Power/Energy Saving] [Human Detection Sensor].



3. Create Secure .HWG+ and Secure Blob *.INI Files and List of MFPs to Target for Multi-Device Updates

3.1 Create Secure HWG+ file(s)

- You will need to use the rf IDEAS Configuration Utility (<u>download here</u>) to create a Secure .HWG+ file(s) that can be used to remotely update readers with the rf IDEAS Remote Card Reader Manager for Ricoh application.
- Secure .hwg+ files allow you to configure reader card types, reader settings, and data formatting.

rf IDEAS	DEVICE LIST	CONFIGURATION(s)	=
	-01 RDR-805x1AxU	HID Prox - RDR-608x Compatible *	•
Connect Disconnect Write	LUDE Firmware: 162.0	OFF *- OFF *- Aved NON-0980 Compatible	0
Home	Connection Type	Cardax UID : RDR-6C8x Compatible CASI-RUSCO (GE Security, UTC) : RDR-628x Compatible CDVI	
Timing	USB (Universal Serial Bus) ports	CEPAS Cotag Deister UID	
SDK	O Serial: RS-232 and virtual COM ports	DESHIE CSN (Oyster, NFC 4) DIGITAG Dimpna UID EM.410x: RDR-BElix Compatible	
Format	Use COM ports 1 through	EM 410x Alternate etag CSN (Secura Key) Farpointe Data (Pynamid) PSC-1 26 Bit : RDR-647x Compatible Execution Data (Research URD)	
fools estArea >>	O Ethernet (Local IP 10.10.30.154)	Falca (NRC 3) GProx-II UID : RDR-6G8x Compatible (GProx-II UID : RDR-6G8x Compatible (GProx-II ID) HID (LI ASS CSN *	
	IP Address		
	Port	Find Next IP	
<u>.</u>			(
	10.17	Construction of the second second	



Sample Secure HWG+ files are included with the rf IDEAS Remote Card Reader Manager for Ricoh tool installer package, to help you understand the format and content within a Secure .HWG+ file.



3. Create Secure .HWG+ and Secure Blob *.INI Files and List of MFPs to Target for Multi-Device Updates

3.2 Create Secure Blob *.ini files

- You will need to use the rf IDEAS Smartcard Manager (download here) to create a Secure Blob *.INI file that can be used to remotely update secure Smartcard readers with the rf IDEAS Remote Card Reader Manager for Ricoh application.
- Secure Blob *.INI files are used to configure Smartcard secure reader settings and security keys (sent to SAM card) for Legic, MIFARE and other Smartcards.

🖦 Smartcard Manager	– 🗆 X		
File Options Help			
General Settings MIFARE Classic Settings			
Card Configuration Index: 2			
Enter card key A: 00000000000 B: 00000000000			
Key ID: 01			
to calific news			
File Data Configuration			
Read Brock or Sector: () Brock O Sector			
Block /Sector # 01			
		File Options Help	- <u>-</u> ×
		General Settings Logic Settings	
Length: 05		Card Configuration Index	
File Key Configuration		Segment Identification	
Authenticate with Key A or Key B:		O Use Stamp Address	
Key Reference: 01		Use Segment Number	
(Generally Key Reference - Key ID above)		Enter Legic Stamp:	
		(Stamp is in hex)	
		Segment:	
		Stamp Length: 0	
		Data Format	
write card settings write keys write everyd	ning to reader	Data Offset: D	
Lonnected to reader, FW-22.2, LUID-10000		Data Length: 4	
		Byte order:	
		O Reversed	
		Output Base	
		() Hex	
		O Decimal	
		Write card settings Write keys Write eve	nything to reader
		Connected to reader, FW:20.5, LUID:0000	1

Sample Secure Blob *.INI files are included with the rf IDEAS Remote Card Reader Manager for Ricoh tool installer package, to help you understand the format and content within a Secure Blob *.INI file.

Further configuration guides are available at:

- https://knowledgebase.rfideas.com/how-do-i-configure-my-plus-reader-to-read-different-card-types/
- https://knowledgebase.rfideas.com/how-to-configure-my-plus-reader-for-2-different-card-formats-that-usethe-same-card-type/

3. Create Secure .HWG+ and Secure Blob *.INI Files and List of MFPs to Target for Multi-Device Updates

3.3 Compile the List of MFPs Hosting Ricoh Card Readers Requiring Configuration

RICOH Streamline NX

Contentine (III)

1. Log onto the SLNX admin page

2. Navigate to the Devices tab

3. Right click on the name header and select "Columns".

4. Ensure the following "column" objects are selected (you can select others, the following is the minimum requirement):

- Device Display Name
 - Address
 - Network: IP Address
 - Operational Panel
 - Group

NOTE: The tool may or may not ignore unneeded columns

5. Click on "Views" and select "Save as"

a gi P Address	· 0 7 0 ·
General Departy Radia - Address - Barrara - Barrar	
and a second sec	

in all strains		Device T.	Device Display Name		Address *	· Network
A Cardificate or	5457	0	SP BASSON (3	18.2	10.7
E Ceruncale ge	owne	13	NP 4054 ()		10.71	10.7
E Cocasion		5	Pto C9210 (1	1	18.2	10.7
E Corness		123	Pro C9210 E-86 (1	187 :	10.7
		13	Pto 072105X E-86A (1		38.75	10.7
		0	(0)		32.7	10.7
	Pricoti	Stre	amline N		1.45	
	🗉 💋 IP Address		Paulos T.	Dening Directory Mr.		_
	🗉 💕 Models		officer 1	Device Display in	ort Ascending	
	🗟 📁 Certificate gr	roups	(a)	N 3500 (10 11 5	ort Descended	
	B 😡 Location		10	an appropriate Coll Co	onfigure Sort	
	E Process		100	# 5010 (1) B	lear Sort	
			19	AL 2000 (1) 22 A	uto Fit All Column	. II
			-8	# 2020 (1) FT A	utz Fit	
			10	ALCOSON /	XU(92)	
				M COSO C	olumna	
			100	N C2510		
			100	ALCING AN IT P	raeze Device Disc	lay Name
			113	an 0.300 (/ man		

8888888

M C300 (M C350 (M C350 (M C400 () M C400 () M C450 (M C450 () M C450 ()

T.OHX		1	Address	
Device Display Name *	Address #	ł	Network: IF Address Network: Rust Netwo	
AN 2000 (10 NI 4000 (10	Sait Descending of Configure Sait.		Seral Number Network: MAC Address Hanufacturer Name	
AI 5000 (10	at cas bat	-	Vodel Name	1
MI 8008 (NC MI 9008 (NC	Ada fi		Device: WM Location Device: WM Comment Device: VM Comment	
W C2500 (* W C2510 (* W C2610 (*!	Columne		Delegation Server	
MI C3500 (*	Aits Calculated Calutin		Hegwiered vy Network: Pyd Address Network: Subnet Hask	
MF C4500 (10 MF C4500 (10 MF C4500 (1	道 Right Align 首 Left Align		hatwork: NatiWare Node Natiwork: NatiWare Print Server	
er C4510 (*	Reported		Datus: Dystem Datus: Pricter Status: Conver	









3. Create Secure .HWG+ and Secure Blob *.INI Files and List of **MFPs to Target for Multi-Device Updates**

- 🖷 Please enter a value Enter View Name* 6. Enter a name for your new view and click the "OK" button Card Readers OK Cancel View - Card Readers 7. Now you will have the new View Name you just saved via the View Basic Status dropdown for future use. Counters Card Readers View - Card Readers • <u></u> 4
- 8. To Export the device, select the CSV export icon.

9.	The exported CSV file will be downloaded to your browser's default location.
	See sample .CSV file below included in
	rf IDEAS Remote Card Reader Manager for Ricoh\sample_ files

#Format Version: https://protec	t-us.mimecast.com/s/Cr8RCxkw	1Jum3V2cWAH7P?do	main=5.1.1.0	
#Generated at: 09/30/2021 14:	17:44			
# Function Name: Device List				
# Device Display Name	Address	Network: IP Addre	Operation Panel	Group
dev_displayname	dev_address	dev_ipaddress	operation_panel	dev_real_group_name
MP C2004ex (10.10.30.130)	RNP583879294B2F.tc.ds	10.10.30.130	Smart	Group1
MP C2004ex (10.10.30.142)	RNP002673B7A55C.tc.ds	10.10.30.142	Smart	Group2



4. Installing the rf IDEAS Remote Card Reader Manager for Ricoh

4.1 Verify Java (JRE or Default JDK) Version

The rf IDEAS Remote Card Reader Manager for Ricoh is a Java application. Use the following Command Prompts to determine if Java 8 SE is currently installed on your PC.

• Start Command Prompt (or Terminal)

lic: (c)	rosoft Windows [Version Microsoft Corporation.	10.0.19044.2130] All rights reserved.
:: \/	WINDCW5\system32>	
535	Command Prompt	
Mic (⊏)	crosoft Windows [Version) Microsoft Corporation.	10.0.19044.2130] All rights reserved.
C:∖ jav	\WINDOWS\system32>java -v va version "1.8.0_341"	version
-	va(TM) SE Runtime Environ va HotSpot(TM) 64-Bit Ser	nment (build 1.8.0_341- ver VM (build 25.341-b
Jav Jav		

• Type java -version, and then hit ENTER

• Type Exit, and then hit ENTER

4.2 Install or Update Java

• <u>Click here</u> to download Java 8 SE Runtime Environment from Oracle. Oracle account registration required to download.

How to download and install Java on	https://www.java.com/en/download/help/windows_manual_download.html
Windows?	https://www.java.com/en/download/help/windows_offline_download.html



4. Installing the rf IDEAS Remote Card Reader Manager for Ricoh

4.3 Install rf IDEAS Remote Card Reader Manager for Ricoh

4.3.1 Download rf IDEAS Remote Card Reader Manager for Ricoh.jar

• <u>Click here</u> to download the rf IDEAS Remote Card Reader Manager installation file, (.zip file), which contains the rf IDEAS Remote Card Reader Manager for Ricoh.jar

4.3.2 Install rf IDEAS Remote Card Reader Manager for Ricoh.jar

- Place the rf IDEAS Remote Card Reader Manager for Ricoh installation .zip file in C:\Program Files, or in any other folder of your choice.
- Unzip the rf IDEAS Remote Card Reader Manager for Ricoh installation file.



4. Installing the rf IDEAS Remote Card Reader Manager for Ricoh

4.4 Run rf IDEAS Remote Card Reader Manager for Ricoh

- Navigate to / Open the rf IDEAS Remote Card Reader Manager for Ricoh installation folder.
- To launch the rf IDEAS Remote Card Redaer Manager for Ricoh application, double click the rf IDEAS Remote Card Reader Manager for Ricoh.jar

Name	Status	Date modified	Туре	Size
documentation	\odot	3/20/2024 9:59 AM	File folder	
📕 lib	0	3/20/2024 9:59 AM	File folder	
7 resources	\odot	3/20/2024 9:59 AM	File folder	
sample_files	\odot	3/20/2024 9:59 AM	File folder	
🌆 rf IDEAS Remote Card Reader Manager for Ricoh-v1.3.0-alpha+328.jar	\odot	3/20/2024 9:59 AM	Executable Jar File	356 KB



5.1 Single Device Configuration (one rf IDEAS Card reader connected to Ricoh MFP)

5.1.1 Login & Verify that CIS Plugin is Installed

- Click on the Single Device Configuration tab
- Enter the IP address + Admin credentials (Username and Password) for the Host MFP (MFP onto which the rf IDEAS reader is connected to)
- Click on the "CIS Plugin Installer" tab
- Set the CIS Plugin installer's mode to "Verify"

Single Device Configuration Multi Dev	rice Configuration	
Device IP Address	10.10.211.12	
Device Administrator Username	admin	
Device Administrator Password	****	
CIS Plugin Installer Status Config	uration	
Mod	e: 🔘 Deploy 🔾 Undeploy 🖲 Verify	
Reader Plugin(s) Deployment File (.J SO	N)	Select File
Proceed	Reset	

• Click on the Select file button to load the rf IDEAS plugin "deployment" .json file

Single Device Configuration	Multi Device Configuration	
Device IP Device Administrator U Device Administrator P	Address 10.10.211.12	
CIS Plugin Installer Status	Configuration	
Reader Plugin(s) Deployment	Mode: O Deploy Undeploy Verify File (J SON) Select File	
1 Misself	10 Open	×
	Look In: 🔄 resources	
	depirycardreader json	
	File Name: deploycardreader.json	
	Files of Type: JSON (Comma delimited) (*.json)	Open Cancel

- Select the following file:
 - rf IDEAS Remote Card Reader Manager for Ricoh\resources\deploycardreader.json, and click Open
- Click "Proceed" button



5.1 Single Device Configuration (one Ricoh Card reader connected to Ricoh MFP)

5.1.1 Login & Verify that CIS Plugin is Installed

Sample Responses

Plugins are installed on MFP

Device IP Addres	s 10.10.211.12
Device Administrator Usernar	e admin
Device Administrator Passwo	d
IS Plugin Installer Status Con	liguration
B	iode: 🔆 Depioy 💭 Undeptoy 🖲 Verity
eader Plugin(s) Deployment File (.J	ION) CNProgram Files int IDEAS Apps/rf_IDEAS_ Select File
Proceed	Reset
:\Program Files'rf IDEAS Apps\rf_ID	AB_Remote_Card_Reader_Manager_for_Ricoh_alpha_v1.3.0-alpha+328Vesources\deploycardreader.json_selected.
024-03-19 14:06:09 : Info: Processir	ig device 10.10.211.12 - CIS Plugin installation status verification.
024-03-19 14:06:40 : Info. [10:10:21 024-03-19 14:06:48 : Debug: [10:10 2024-03-19 14:06:48 : Info: [10:10:21	T2/ XXComServer is not needed 211.12] received app info list 39 1/21/ verticeting successA app is installed 1667760129

Plugins are not installed on MFP

Device	IP Address 10.10.211.12					
Device Administrator	Username admin					
Device Administrato	Password .					
IS Plugin Installer Stat	s Configuration					
	Mode: 🔾 Deploy 🔾	Undeploy 🖲 Verify				
eader Plugin(s) Deployme	nt File (.JSON) C:\Program Fil	es\rf IDEAS Apps\rf_IDEAS_	Select File			
Proceed	Reset					
024-03-19 15:14:40 · Rea	ling Reader Configs from file: C	Program Elester IDEAS Apps	d IDEAS Remote Card	Reader Manager for	r Ricoh aloba v130-i	anha+328trasoumas\danlovosrdraadarison
1024-03-19 15:14:40 : Info:	Processing device 10.10.211.12	- CIS Plugin installation statu	s verification.			
024-03-19 15:14:41 Deb	Ig: [10.10.211.12] Trying to con	ect.	n_bbho_rennie_oard	reader_manager_ior	_recon_apria_v r.s.o c	ipina-ozorooduceonepiojedni educijovi
024-03-19 15:15:08 : Deb	ig: [10.10.211.12] is SOP = true.	Connected to rxop success.				
024-03-19 15:15:08 : Deb	Ig: [10.10.211.12] Checking if se	rvlet conf needed.				
024-03-19 15:15:08 Into. 024-03-19 15:15:16 Deb	[10, 10, 211, 12] RXConfServet is to: 110, 10, 211, 12] received ann	notneeded				
2024-03-19 15:15:16 : War	[10.10.211.12] Verification fails	d! App is missing. 166776012	9			
1004 02 40 4E-4E-4E - Mor	[10.10.211.12] Verification faile	d! App is missing, 166776013	0			
1024-03-18 10. 10. 10. Walk		· · · · · · · · · · · · · · · · · · ·				
2024-03-19 15:15:16 . [10.1 2024-03-19 15:15:16 . [10.1	0.211.12] Process complete.					



5. Configure the rf IDEAS Remote Card Reader Manager for Ricoh 5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MEP)

5.1.2 If rf IDEAS Plugin is not Installed

• If the rf IDEAS plugins are not installed, please set the CIS Plugin Installer's mode to "Deploy"

Single Device Configuration	Multi Device Configuration		
Device I	Address 10.10.211.12		
Device Administrator	Jsername admin		
Device Administrator	Password		
CIS Plugin installer Statu	Configuration		
	Mode: 🜒 Deploy 🔘 Undeploy 💭 V	erity	
Reader Plugin(s) Deploymer	t File (.JSON)	Select File	
Proceed	Reset		

- Click on the Select file button to load the rf IDEAS plugin "deployment" .json file
- Select rf IDEAS Remote Card Reader for Ricoh\resources\deploycardreader.json

Single Device Configura	Multi Device Configuration	
Dev	ice IP Address 10.10.211.12	
Device Administra	itor Username admin	
Device Administr	ator Password	
CIS Plugin Installer S	tatus Configuration	
	Mode: 🛞 Deploy 😳 Undeploy 😳 Verity	
Reader Plugin(s) Deploy	ment File (JSON) Select File	
Proceed	Resut	
	II Open	×
	Look le: 🔤 resources	
	D deploycardreader.ason	
	File Name: deploycer dreader (s on	
	Files of Type: JSON (Comma datamited) (*-json)	
		Open Cancel

- Click the "Proceed" button
- · Click "Yes" for the rf IDEAS CIS Plugin(s) to be installed on the target Ricoh MFP

Log File Responses

Plugins have been successfully deployed

		Charles I all a setting of	541									
Device Administ Device Administ	ator Username a ator Password	0.10.211 12 dmin										
CIS Plugin Installer	Status Configure	tion										
	Mode:	Deploy	O Undeploy 🔘 Verify		_							
Reader Plugin(s) Depk	yment File (JSON)	C:IUserslycid	dul kalOneDrive - rftDEAS/Desk	Select File								
Proceed	Re	et										
	tak an ini ma an an an an ini ta an an an an an an		Office and initial deal Deal Deive	EARIDecktoold IDE	AS_Rem	note_Card	d Reader M	anager for R	Sicoh_alpha_v	1.3.0-alphar:	328/vesources\deployc	rdre
2024-03-25 09:56:50 2024-03-25 09:56:51	Reading Reader Co Debug: (10:10:211-1	ntigs from file	nned	involueserabit.int								
2024-03-25 09:56:50 2024-03-25 09:56:51 2024-03-25 09:56:51	Reading Reader Co Debug: [10.10.211.1 Debug: [10.10.211.1	nfigs from file 2) Trying to co 2) Checking d	c. osersijadukajonecinie - nič nnedl. evice compatibility	THORESHOPH_DE	_							
2024-03-25 09:56:50 2024-03-25 09:56:51 2024-03-25 09:56:51 2024-03-25 09:57:26 2024-03-25 09:57:26	Reading Reader Co Debug: (10.10.211.1 Debug: (10.10.211.1 Debug: (10.10.211.1 Debug: (10.10.211.1 Debug: (10.10.211.1	ntigs from file 2) Trying to co 2) Checking d 2) isSOP = tru 2) Checking if	Choseispadukatorieume - nii nnedt. evice compatibility e. Connected to roop success serviet contineeried.	THORE SHIPH_DE				,				
2024-03-25 09:56:50 2024-03-25 09:56:51 2024-03-25 09:56:51 2024-03-25 09:56:51 2024-03-25 09:57:26 2024-03-25 09:57:26 2024-03-25 09:57:28	Reading Reader Co Debug: (10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.12]	nligs from file 2) Trying to col 2) Checking d 2) isSOP = tru 2) Checking if R/ConfSer/et	C does global address the - ha nned. evice compatibility e. Connected to roop success servict confineeded. is not needed									
2024-03-25 09:56:50 2024-03-25 09:56:51 2024-03-25 09:56:51 2024-03-25 09:57:26 2024-03-25 09:57:26 2024-03-25 09:57:28 2024-03-25 09:57:31 2024-03-25 09:57:31	Reading Reader Co Debug: (10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Info: [10.10.211.12] Info: [10.10.211.12] Info: [10.10.211.12]	nligs from file 2) Trying to co 2) Checking d 2) isSOP = tru 2) Checking if BCOnfSprid nstallation sur- nstallation sur-	Cooses spotalizationeume - mainneume - mainneut. evice compatibility e. Connected to roop success. serviet confineeded. is not needed. ccess: comunity.usb.cis.rtideas roess: comunity.usb.cis.rtideas									
2024-03-25 09:56:50 2024-03-25 09:56:51 2024-03-25 09:56:51 2024-03-25 09:57:26 2024-03-25 09:57:26 2024-03-25 09:57:26 2024-03-25 09:57:31 2024-03-25 09:57:31 2024-03-25 09:57:37	Reading Reader Co Debug: [10.10.211.7 Debug: [10.10.211.7 Debug: [10.10.211.7 Debug: [10.10.211.7 Into [10.10.211.12] Into [10.10.211.12] Into [10.10.211.12] Into [10.10.211.12]	nligs from file 2) Trying to co 2) Checking d 2] isSOP = tru 2] Checking if BCOnfServet installation suc installation suc in reader to Cl	Cables galaxies and the one of the operation of the opera									
2024-03-25 09:56:50 2024-03-25 09:56:51 2024-03-25 09:56:51 2024-03-25 09:57:26 2024-03-25 09:57:26 2024-03-25 09:57:26 2024-03-25 09:57:31 2024-03-25 09:57:31 2024-03-25 09:57:31 2024-03-25 09:57:40 2024-03-25 09:57:40	Reading Reader Co Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.12] info: [10.10.211.12] info: [10.10.211.12] 10.10.211.12] assis [info:[10.10.211.12] Sebootino Decce. II	ntigs from file 2) Trying to co 2) Checking d 2) isSOP = tru 2) Checking if 3xConfServet installation suc installation suc n reader to Ci etting reader to the max take a	Cooles spolaria unhernine - mainned, exces compatibility	it								
2024-03-25 09-56-50 2024-03-25 09-56-51 2024-03-25 09-56-51 2024-03-25 09-57.26 2024-03-25 09-57.26 2024-03-25 09-57.31 2024-03-25 09-57.31 2024-03-25 09-57.40 2024-03-25 09-57.40 2024-03-25 09-57.40 2024-03-25 09-57.40	Reading Reader Co Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.1 Debug: [10.10.211.12] info: [10.10.211.12] info: [10.10.211.12] 10.10.211.12] assis Info:[10.10.211.12] Rebooting Device, II Rebooting Device, II	ntigs from file 2) Trying to co 2) Checking d 2) isSOP = tru 2) Checking if BaContServiet installation suc installation suc in reader to CI etting readers is may take a uccessfully.	Consers global autoreume - mainned. nedd. evice compatibility e Conneeded to nog success. serviet cont needed. is not needed cess: com.ndp.ubis.cs.ritideas cess: com.ndp.ubis.comigservis Steturin Feer fetched feer minutes	the second s								

The Remote Card Reader Manager application will automatically reboot the MFP after plugin installation.



5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MFP)

5.1.2 If rf IDEAS Plugin is not Installed

Undeploy Function:

- You can Undeploy any plugin file uploaded to the MFP via the rf IDEAS Remote Card Reader Manager for Ricoh application by selecting the "Undeploy" radio button, then clicking the "Select File" button.
- It is not able to Undeploy plugin files installed via WIM or RIM.

5.1.3 Using Ricoh's Remote Installer Manager (RIM) to install RfldeasReaderPlugin & RiDPConfigServletInstaller

1. Install RIM

- 2. Start RIM NOTE: Don't forget to set the Ricoh MFP admin credentials under File\Environment Setting\Device Communication Settings\Authentication Settings!
- 3. Right-click on Device List
- 4. Click on Add, and Select > Manual Entry to input the IP address of one Ricoh MFP with a Ricoh Card Reader (Manufactured by rf IDEAS)
- 5. Right click on the Ricoh MFP, Select Offline Operations > Install [2visit course]...> 1. Install [Device]
- 6. Select RfldeasReaderPlugin.zip, and click Open
- 7. Click Yes in the Remote installer Manager Popup window NOTE: Do not turn the device's power off while the process is being performed
- 8. Wait for the process to be completed. *NOTE: you can also access the Ricoh MFP locally (Panel) or via WIM to confirm that the plugin was installed*
- 9. Repeat steps 5 thru to 8 for RiDPConfigServletInstaller.zip
- 10. Close RIM



5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MFP)

5.1.4 Using WIM to Install RfldeasReaderPlugin & RiDPConfigServletInstaller

- RfldeasReaderPlugin.zip v1.1.0 and RiDPConfigServletInstaller.zip v2.02.28 can be installed/removed via WIM using below
- 1. WIM --> Device Management --> Configuration --> Install.

1 Status/Information	•	Device Name	: RICOH N
🐼 Device Management	Þ	Configuration	
		Address Book	
Print Job/Stored File	*	Main Power Off	

- 2. Browse to the RFIdeasReaderPlug-in.zip on your local PC.
- 3. Click "Display Extended Feature List".
- 4. Select the Radio button in the Total Applications list.
- 5. Click "Install" button.
- 6. Verify that **RfIdeasReaderPlugin.zip v1.1.0** is installed successfully. Information regarding the installed applications can be confirmed from the Extended Feature Setting's Extended Feature Info screen and the Startup Setting screen.
- 6.1 Click on Extended Feature Info (Startup Setting) from the Extended Feature Settings menu. Up to 4 applications can be displayed at once. Changes are not possible. Changing pages is done by clicking on the index button.
- 6.2 Click on the properties button of the application that you wish to display information for. Return to the "Extended feature Info" page with the "Back" button.
- 7. Repeat steps 2-6 above for RiDPConfigServletInstaller.zip



5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MFP)

5.1.4 Using WIM to Install RfldeasReaderPlugin & RiDPConfigServletInstaller

8. Register the CIS plugin. The CIS plugin needs to be registered to the MFP. In January 2019, Ricoh released a new model generation with G2.5 panels. Therefore, different arrangements of the MFP configuration for CIS plugin registration are described in the following subsections.

8.1 On G3 Panels

- Press "Settings".
- Press "System Settings".
- Press "Network/Interface".
- Press "Control Panel: External Interface Software Settings".
- Select "IC Card Software Settings" and ensure that "Proximity Card Reader" is enabled.
- Select "Proximity Card Reader". This window will ask you to connect your card reader.
- Plug your rf IDEAS Card Reader to the left or back of the SOP panel.
- A dialog will be shown that your card reader was registered.
- Click "OK".
- The "Proximity Card Reader Settings" page will display as follows: Please verify that Vendor ID: "0c27" and Product ID "ToDo" are set. In addition, the "Auth." checkbox must be enabled.

8.2 On G2.5 Panels

- On the Home Screen of the SOP click "User Tools".
- Select "Screen Features".
- Scroll to the bottom of the list and select "Screen device settings".
- External Interface Software Settings.
- Select "IC Card Reader" and ensure that "Proximity Card Reader" is enabled.
- Select "Proximity Card Reader Settings". This window will ask you to connect your card reader.
- Plug your RF ideas Card Reader to the right side of the SOP panel. (You may need to remove the bracket first).
- If the cabling is unclear, please refer to the "Service Manual" of the specific Ricoh MFP for more detailed instructions.
- The "Proximity Card Reader Settings" page will display as follows: Please verify that Vendor ID: "0c27" and Product ID "3BFA" (alternatively 3CFA) are set.
- In addition, the "Auth." checkbox must be enabled. Click "Ok".
- Use the "OK" and "back" button to return to home screen.
- Reboot the device.

8.3 On G2.5 Panels with ACT 1.2s

- Press "System Settings".
- Press "Network/Interface".
- Press "External Interface Software Settings".
- Select "Proximity Card Reader".
- Press "Proximity Card Reader Software Settings"
- Plug the card reader into the tablet.
- A "Toast" message pops up "The card reader has been registered". This message will disappear after a few seconds.
- Enable checkbox Authentication to "Active".
- Select as Software to use "RFIdeasReaderPlug-in".
- Press "OK".
- Go back to home screen.
- Reboot the MFD.

8.4 On G2 Panels

- On the Home Screen of the SOP click "User Tools".
- Select "Screen Features".
- Scroll to the bottom of the list and select "Screen device settings".
- ICCard/Bluetooth Software Settings.
- Select "IC Card Software Settings" and ensure that "Proximity Card Reader" is enabled.
- Select "Proximity Card Reader Settings". This window will ask you to connect your card reader.
- Plug your rf IDEAS Card Reader to the right side of the SOP panel.
- $\boldsymbol{\cdot}$ A dialog will be shown that your card reader was registered.
- Click "OK".
- The "Proximity Card Reader Settings" page will display as follows: Please verify that Vendor ID: "0c27" and Product ID "ToDo" are set. In addition, the "Auth." checkbox must be enabled.



5. Configure the rf IDEAS Remote Card Reader Manager for Ricoh 5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MFP)

5.1.5 Checking reader status in Single Device Configuration

- Click on the Status tab
- Click on the "Get Status" button

Log File Responses

Successful Results

Single Device Configuration Mul	vice Configuration	
Device IP Addr	10.10.211.12	
Device Administrator Userna	admin	
Device Administrator Passw	****	
Get Status Co Get Status 2024-03-25 10:16:36 Connecting to & Checking status of Reader slatus = Remote CardRead Request sont of TIDEAS read@R Reader(=Rfideas, PcProx)@Ris	uration 	onfiguration=,



5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MFP)

5.1.6 Upload Secure .HWG+ file

Configure reader card types, reader settings and data formatting.

- Click on the "Configuration" tab
- Click the arrow next to "Choose File Type to Upload" and select .HWG+(secure)
- Click on the "Select File" button
- Choose the Secure .HWG+ file you would like to send to the reader, and then click "Open".

NOTE: the current version of RCRM does not allow you send to Secure .HWG+ and Secure Blob .INI files at the same time. This is a feature we plan to release in the future.

• You will see the Configuration File settings below

naaga(secure)		Select File	Upload
2024-03-25 10:46:18			
I:\A - Customers\Ricoh\Test	ing\INI Testing\Ankush Files\John C Testing\LEGIC CARD 1 SECURE.hwg+ selected.		
- rfIDEAS Configuration Fil	e Start		
Configuration #1 HID_PROX	RDR608X_COMPATIBLE(H 10301 by default), High Priority= OFF		
l			
COMMUNIC	ATION PROTOCOL		
	-Keystroke		
	TA FORMAT Mode		
	- Strip leading bit count = 1		
	- Stip Ital bit count = 1		
	- ID Field bit count = 16		
i i	- ID format = Decimal		
Law ment			
READER + C	ARD READ STATUS INDICATOR		
	- Beep on card read = ON		
	- LED = AUTO(Reader)		
l.			
	TPUT: >>>>D>>>>>>>		

- Click the "Upload" button
- Choose "Yes" when ready to proceed with configuring a single rf IDEAS reader.

-	Multi Device Configuration				
Device If	Address 10.10.211.12				
Device Administrator I	Isername admin				
Device Administrator	assword				
S Plugin Installer Status	Configuration				
WG+(secure)	H:\A - Customers\Ricoh\Te	tingUNI Testing\Ankush Files\John C Testing\LEGIC CARD	1 SECURE.hwg+	Select File	Upload
24-03-25 10 47 27					
A - Customers\Ricoh\Testi	ng\INI Testing\Ankush Files\John C	esting/LEGIC CARD 1 SECURE hwg+ selected.			
(Arrows 25 10.47 27 (Arrows 25 10.47 27 (Arrows 25 10.47 27) (Arrows 25	ng\INI Testing\Ankush FilesUohn C	resting/LEGIC CARD 1 SECURE hwg+ selected.			
1/A - Customers/Ricoh/Testi Vaiting for user's input	ng\INI Testing\Ankush FilesUohn C	Testing/LEGIC CARD 1 SECURE hwg+ selected.	×		
Var Customers/Ricoh/Testi Vaiting for user's input	ng\INI Testing\Ankush FilesUohn C	Testing/LEGIC CARD 1 SECURE hwg+ selected. Confirmation Would you like to proceed?	×		
HV4 - Customers/Nicoh/Testi Waiting for user's input	ng\INI Testing\Ankush FilesUohn C	Confirmation	×		



5. Configure the rf IDEAS Remote Card Reader Manager for Ricoh 5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MFP)

5.1.6 Upload Secure .HWG+ file

Log File Responses

Successful Results

Single Device Configu	ration	Mutti i	Device Configuration		
D Device Adminis Device Adminis	evice IP A strator Use strator Pa	ddres ernam sswor	s 10.10.211.12 e admin d ••••		
CIS Plugin Installer	Status	Con	Iguration		
.HWG+(secure)		-	H:A - Customers\Ricoh\Testing\NI Testing\Ankush FilesUohn C Testing\LEGIC CARD 1 SECURE.hwg+	Select File	Upload
Walting for user's inpu 2024-03-25 10:49:07 The user selected Yes Connecting to & Confi	ski esting it s. gering if it	DEAS	reader@Ricoh NFP with IP Address=10.10.211.12		
Reader configuration Configuration success	result = 20 sfully upto	01 aded t	orf IDEAS reader@IP Address = 10.10.211.12.		
Connecting to & Chec Reader status = Rem Request sent to rf IDE Reader(=Rfldeas, PcF	king statu oteCardRe AS reader Prox, , , LE	s of if eader @Ric GIC C	DEAS reader@Ricoh NFP with IP Address=10.10.211.12 Status [cisName=com.ridp.usb.cis rfideas, pluginld=1667760129, stateCode=ATTACHED, manifacturer=Rfk h MFP with IP Address= 10.10.211.12 processed successfully. ARD 1 SECURE.hwg+, 2024-03-25 11.16;@Ricch NFP with IP Address= 10.10.211.12	deas, model=PcProx, firm	ware=, laslFwChange=, configuration=L

5.1.7 Upload Secure Blob *.ini file

Configure Smartcard secure reader settings and security keys (sent to SAM card) for Legic and MIFARE Smartcards. *Note: If you are updating both Secure Blob *.INI and Secure .HWG+ files, you must update the Secure Blob *.INI*

before updating the Secure .HWG+ file.

- Click on the "Configuration" tab
- Click the arrow next to "Choose File Type to Upload", and select .INI(Blob*, secure)
- Navigate to the appropriate Secure Blob *.INI file for the customer, and then click "Open"
- You will see the Configuration File settings below

Device IF Device Administrator I Device Administrator I	Address 10.10.211 Jsername admin	12		
35 Plugin Installer Status	s Configuration			
JNI(Blob*, secure)	-		Select File	Upload
	Look In: John LEGIC CARD 1 S LEGIC CARD 1 S LEGIC CARD 2 S MIFARE Classic MIFARE Classic MIFARE DESFire	C Testing SECURE ini SECURE ini : Card 1 Socure ini : Card 2 Socuro ini e Secure Card 1_2 Secure ini		
	File Name: LEG	SIC CARD 1 SECURE INI		
	The of The Line		Open Cancel	



5.1 Single Device Configuration (one rf IDEAS reader connected to Ricoh MFP)

5.1.7 Upload Secure Blob *.ini file

- Click the "Upload" button
- Choose "Yes" when ready to proceed with configuring a single rf IDEAS reader.

Single Device Configuration	Multi Device Configuration			
Device IF Device Administrator U Device Administrator F	Address 10.10.211.12 semame admin 'assword ••••			
CIS Plugin Installer Status	Configuration			
.INI(Blob*, secure)	H:\A - Customers\Ricoh\Testing	NI TestinglAnkush FilesUphn C TestinglLEGIC CARD 1 SECURE ini	Select File	Upload
H:\A - Customers\Ricoh\Testi Waiting for user's input	ıgYNI Testing\Ankush Files\John C Testin	gILEGIC CARD 1 SECURE ini selected.		

Log File Responses

Successful Results

Single Device Configu	ration	Multi De	vice Configuration		
Device Admini Device Admini	Device IP A strator Us strator Pa	ddress ername ssword	10.10.211.12 admin		
IS Plugin Installer	Status	Config	uration		
.INI(Blob*, secure)		- H	A - Customers/Ricoh/Testing/INI Testing/Ankush Files/John C Testing/LEG/C CARD 1 SECURE.ini	Select File	Upload
Vailing for user's inp 1024-03-25 13:00:58 The user selected Ye Connecting to & Cont	ut s. iguring ri II	DEAS re	ader@Ricoh MFP with IP Address=10.10.211.12		
Reader configuration Configuration succes	result = 20 sfully upio)1. aded to	rfIDEAS reader@IP Address = 10.10.211.12.		
Connecting to & Cher Reader status = Rem Request sent to rf IDE Reader(=Rfldeas, Pc	cking statu IoteCardR EAS readei Prox, . , LE	s of rf ID eaderSt @Ricof GIC CAF	EAS reader@Ricch MFP with IP Address=10.10.211.12 atus (cisName=com.ridp.usb.cls.rfideas, pluginld=1687760129, stateCode=ATTACHED, manifacturer=R MFP with IP Address=10.10.211.12 processed successfully. D 1 SECURE.ini, 2024-03-25.13:28/@Ricch MFP with IP Address=10.10.211.12	fldeas, model=PcProx, firmw	rare=, lastFwChange=, configuration=



5.2 Multi-Device / Fleet Configuration

5.2.1 Login & Verify that CIS Plugin is Installed

- Click on the "Multi Device Configuration" tab
- Enter the Admin credentials (Username and/or Password) for the target MFPs (= MFPs onto which the rf IDEAS reader is connected to)
- Click on "Select File" to load the .CSV containing all the target MFPs

Device Administrator Username	admin	Device Administrator Password		
Device List (.C SV File)	H:\A - Customers\Ricoh\T	esting\Fleet MFP CSVs\RCRM_Sample_MFP_List_2MFPs_1Group.csv	Select File	View .C SV file Content
S Plugin Installer Floot Confi	juration			
	Mode: 💿 Deploy 💿 U	ndeploy 🖲 Verify		
eader Plugin(s) Deployment File	(JSON)	Select File		
Brocoad				
Proceed				
ile selection cancelled by user.				
ile selection cancelled by user.	Open			×
File selection cancelled by user.	Open bok <u>i</u> n: 📑 Fleet MFP C SV	8	•	

- Select your fleet .csv, and click "Open"
- Click on the "View .CSV file Content" button to review the list of target MFPs

evice Administrator Usernam	e admin	Device A	dministrator Password		****		
Device List (.CSV File) H:\A - Customers\Ricoh	Testing\Fleet MFP CSVs\R	CRM_Sample_MFP_List_2MFF	s_1Group.csv	Select Fil	e View	C SV file Content
P. Dissis in a line in Floor	- Comparison						
10 Device List	- Foriestics						×
Device List	Address	IP Address	Operation Panel	0	Group	Comment	×
Device List Device Display Name IM C2510	Address RNP002673B7A55C tc.ds	IP Address 10 10.211 14	Operation Panel Smart	Group1	Sroup	Commant Supported device	×



5.2 Multi-Device / Fleet Configuration

5.2.1 Login & Verify that CIS Plugin is Installed

- Click on the "CIS Plugin Installer" tab
- Set the CIS Plugin Installer mode to "Verify"
- Click on the "Select" file button to load the rf IDEAS plugin deployment .json file
- Select rf IDEAS Remote Card Reader Manager for Ricoh\resources\deploycardreader.json, and click Open

Single Device Configuration Mu	Iti Device Configuration			
Device Administrator Username	admin	Device Administrator Password	****]
Device List (.C \$V File)	H:\A - Customers\Ricoh\Testing\Fle	et MFP CSVs\RCRM_Sample_MFP_List_2MFPs_1Group.csv	Select File	View .CSV file Content
CIS Plugin Installer Fleet Config	uration			
	Mode: O Deploy O Undeploy 0	Verily		
Reader Plugin(s) Deployment File ((JSON)	Select File		
Proceed				
File selection cancelled by user.				
ID	Onen			X
Lo	ok <u>i</u> n: 📑 resources		 Image: Image: Ima	
) deploycardreader.json			
File	e Name: deploycardreader.json			
File	es of Type: JSON (Comma delimite	d) (* (son)		
				- Provid
			Ope	

Click "Proceed"



5.2 Multi-Device / Fleet Configuration

5.2.1 Login & Verify that CIS Plugin is Installed

• Click "Yes" to start rf IDEAS reader CIS plugin(s) installation on the Ricoh MFP



Log File Responses Plugins are installed on MFPs

Device Administrator Username	admin	Device Administrator Password		
Device List (CSV File	HM - Customers/Ricoh/Test	H.M Customera/Ricoh/Testing/Fleet MFP CSW/RCRM_Sample_MFP_List_SNFPs_1Group.cov		View.CSV file Content
35 Plagis Installor Float Con	ngurabon			
	Mode: O Deploy O Unde	ploy 🕷 Verilly		
Reader Plugin(s) Deployment F	ile (J 50N) C Users/(cidulici/Or	eDrive - rftDEASiDeal Soloct File		
Proceed	Reset	h Channel (an ann an Anna Anna Anna Anna Anna Ann		
2024-03-25 14:23:00 ING Proc	cessing device 10.10.211.14-CIS	Plugin installation status verification.		
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Plugins are not installed on MFPs

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5.2 Multi-Device / Fleet Configuration

5.2.2 If rf IDEAS Plugin is not Installed

- If the rf IDEAS plugins are not installed, please set the CIS Plugin Installer 's mode to "Deploy"
- Click on the "Select File" button to load the rf IDEAS plugin deployment .json file
- · Select rf IDEAS Remote Card Reader Manager for Ricoh/resources/deploycardreader.json, and click Open

e Auministrato	r Username admin		Device Administrator Password	****	
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	deploycar	dreader.json			
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	File Name: Files of Type:	deploycardreader.json JSON (Comma delimite	nd) (* json).		

- After loading the .json file click the "Proceed" button
- · Click on "Yes" for the rf IDEAS CIS Plugin(s) to be installed on the target Ricoh MFPs

Log File Responses

Plugins have been successfully deployed to MFPs

Contrast Automation Contrast	ame admin	Device Adm	inistrator Password	•	•••	
Device List (.CSV	File) HNA-Customers/R	icoh/Testing/Fleet MFP CSVs/RCR	N_Sample_MFP_List_2NFPs	_1Group.csv	Select File	View CSV file Content
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The Remote Card Reader Manager application will automatically reboot the MFPs after plugin installation.



5.2 Multi-Device / Fleet Configuration

5.2.2 If rf IDEAS Plugin is not Installed

Undeploy Function:

- You can Undeploy any plugin file uploaded to the MFP via the rf IDEAS Remote Card Reader Manager for Ricoh application by selecting the "Undeploy" radio button, then clicking the "Select File" button.
- It is not able to Undeploy plugin files installed via WIM or RIM.

5.2.3 Using Ricoh's Remote Installer Manager (RIM) to install RfldeasReaderPlugin & RiDPConfigServletInstaller

- 1. Install RIM
- 2. Start RIM NOTE: Don't forget to set the admin credentials under File\Environment Setting\Device Communication Settings\Authentication Settings!
- 3. Right-click on Device List
- 4. Click on Add, and Select > Specify File to load .CSV containing multiple MFP(s)
- 5. Right click on MFP(s), Select Offline Operations > Install [2visit course]...> 1. Install [Device]
- 6. Select RfldeasReaderPlugin.zip, and click Open
- 7. Click yes in the Remote installer Manager Popup window *NOTE: Do not turn the device's power off while the process is being performed.*
- 8. Wait for the process to be completed. *NOTE: you can also access the MFP locally (Panel) or via WIM to confirm that the plugin was installed*
- 9. Repeat steps 5 thru to 8 for RiDPConfigServletInstaller.zip
- 10. Close RIM



5.2 Multi-Device / Fleet Configuration

5.2.4 Select a Secure .HWG+ File for a "Group" of Readers

The Fleet Configuration function allows you to configure multiple readers, with the same Secure .HWG+ files, simultaneously.

- Click on the Fleet Configuration tab
- Click the arrow next to "Choose File Type to Upload" and select .HWG+(secure)
- Click the "Select Reader Configuration File" button in the task table to load in your Secure .HWG+ file

vice Administra	ator Username admin		Device Administrator Password	****		
Device	List (.CSV File) H:VA - C	Customers\Ricoh\Testing	VFleet MFP CSVslRCRM_Sample_MFP_List_2MFPs_1Group.csv	v Select File	View .CSV file Content	
S Plugin Installe	Fleet Configuration	1				
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Taskino.	Select Reader Configur	guration File	view Conlig ine Content	Select Device Grou	0/0	Remove
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sase denne rov	vs correctly Look in: L	John C Testing				and Anomer Task
Upload		CARD 1 SECURE.hwg+				
Tasks Logs		CARD 2 SECURE.hwg+				
		CSN ONLY.hwg+	1000me burta			
		Classic Card 2 Secure	hwa t			
	MIFARE	ECSN ONLY.hwg+				
	Concerned and the					
	File <u>N</u> ame:	MIFARE Classic Ca	rd 2 Secure hwg+			
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	Files of Typ	itesader configurat	on the (nave-)		and the second se	
	Files of <u>T</u> yp	in the state of th	on rae (minor)	OF	en Cancel	
	Files of <u>T</u> yp	Includer comignation		Og	en Cancel	
	Files of Typ	no product comparad		Ot	en Cancel	

- Choose the Secure .HWG+ file you would like to send to the readers, and then click "Open"
- Your selected Secure file appears in the task bar
- Click on the "View Config file content" button to view configuration settings



5.2 Multi-Device / Fleet Configuration

5.2.4 Select a Secure .HWG+ File for a "Group" of Readers

• Click on the "Select Device Group(s)" button to choose the MFP that the above chosen Secure .HWG+ file should be applied to.

ce Administrator Username admin	Device Administrator Password	****		
Device List (.CSV File) H:\A - Customers\Ricoh	TestinglFleet MFP CSVs\RCRM_Sample_MFP_List_2MFPs_1Group.csv	Select File	View .C SV file Conten	it
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Nob*, secure)	24		VI	
ask No. Reader Configuration File	View Config file content	Groups	Total # of Readers	
1 H:\A - Customers\Ricoh\Testing\INI Te	View Config file content	Group1	0/2	Remove
aad	Select Device Group(s)	×		Add Another Tas
load	© Select Device Group(s)	×		Add Another Tas
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load ks Logs	Select Device Group(s)	×		Add Another Tas
load ks Logs	© Select Device Group(s)	×		Add Another Tas
load ks Logs	Select Device Group(s) Group1 (2)			Add Another Ta
loed ks Logs	Select Device Group(s)	×		Add Another Tas

- With the RCRM, you have the ability to send different Secure .HWG+ files to different cohorts of readers simultaneously, by creating additional groups in the MFP CSV file.
- It is recommended that you begin using the utility with a single group (Group 1).
- Then as you become more proficient, you have the option to send multiple Secure .HWG+ files to multiple MFPs by adding additional Groups in the MFP CSV file.

NOTE: the current version of RCRM does not allow you send to Secure .HWG+ and Secure. Blob *.INI files at the same time. This is a feature we plan to release in the future.

• Click the "Upload" button to upload the HWG+ files to the targeted MFPs



5.2 Multi-Device / Fleet Configuration

5.2.4 Select a Secure .HWG+ File for a "Group" of Readers

Log File Responses

	or Usernamo	admin	Device Administrator Password	****		
Device Li	st (.C.SV File)	H:\A - Customers\Ricoh\Testing\Fle	et MFP CSVs/RCRM_Sample_MFP_List_2MFPs_1Group.csv	Select File	View .C.SV f	ile Content
S Plugin Installer	Fleet Config	uration			16-19-	
HWG+(secure)	-					
Task No.	Reader Configuration File Vie		View Config file content	config file content Gr		Total # of Readers
-	H:\A - Custo	omers\Ricoh\Testing\INI Testing	View Config file content	Gro	up1	2/2
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5.2 Multi-Device / Fleet Configuration

5.2.5 Select a Secure Blob *.INI File for a "Group" of Readers

The Fleet Configuration function allows you to configure multiple readers, with the same Secure Blob *.INI files simultaneously. *Note: If you are updating both Secure Blob *.INI and Secure .HWG+ files,* **you must update the Secure Blob *.INI before updating the Secure .HWG+ file.**

- Click on the Fleet Configuration tab
- Click the arrow next to "Choose File Type to Upload" and select .INI(Blob*, secure)
- Click the "Select Reader Configuration File" button in the task table to load in your Secure Blob *.INI file
- Choose the Secure Blob *.INI file you would like to send to the readers, and then click "Open"

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- Your selected Secure Blob *.INI file appears in the task bar
- Click on the "View Config file content" button to view configuration settings
- Click on the "Select Device Group(s)" button to choose the MFPs that the above chosen Secure Blob *.INI file should be applied to.

vice Administ	rator Username	admin	Device Administrator Password	••••		
Devic	e List (.CSV Filo)	H:W - Customers/Ricoh/T	sting/Fleet MFP CSVs/RCRM_Sample_MFP_List_2NFPs_1Grou	p.csv Select File	View .C SV file Cont	ent
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Uploed Tasks Logs			Select Device Group(s) Group1 (2)	×		Add Another Task



5.2 Multi-Device / Fleet Configuration

5.2.5 Select a Secure Blob *.INI File for a "Group" of Readers

- With the RCRM, you have the ability to send different Secure Blob *.INI files to different cohorts of readers simultaneously, by creating additional groups in the MFP CSV file.
- It is recommended that you begin using the utility with a single group (Group 1).
- Then as you become more proficient, you have the option to send multiple Secure Blob *.INI files to multiple MFPs by adding additional Groups in the MFP CSV file.

NOTE: the current version of RCRM does not allow you send to Secure .HWG+ and Secure. Blob *.INI files at the same time. This is a feature we plan release in the future.

• Click the "Upload" button to upload the Secure Blob *.INI files to the targeted MFPs

12.700 - 704	or Username	admin	Device Administrator Password	****		
Device Le	st (.C.SV File)	H:\A - Customers\Ricoh\Testing\	Fleet MFP CSVs/RCRM_Sample_MFP_List_2MFPs_1Group.csv	Select File	View .C SV fil	le Content
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5.2 Multi-Device / Fleet Configuration

5.2.6 Export Results from Multi-Device Configuration

- To export results of your fleet configuration, click the button(s) below the "Total # of Readers" table heading.
- Click the "Export" button in the pop-up window.

Single Device Configu	ration M	ulti Device Co	onfiguration	n					
evice Administrator	Username	admin			Device Administr	ator Password	***		
Device List	t (.C \$V File)	H:\A - Cust	omers/Rico	oh\Testing\Fleet MFI	P CSVs\RCRM_Sa	mple_MFP_List_2MFPs_1Group.csv	Select File	View .CSV file (Content
1\$ Plugin Installer	Fleet Confi	guration							
INI(Blob*, secure)	-								
Task No.		Reader Confi	iguration Fi	le		View Config file content	Grou	ps	Total # of Readers
1	H:\A - Cus	tomers\Ricol	h\Testing\IM	NI Testing	7	View Config file content	Grou	p1	2/2
Programmed MFPs Config File A - Customers\Rico A - Customers\Rico	IP Addr 10.10.21 10.10.21	ess 1.14 (1.13 (9 Save	Group Group1 Group1	Is Processed Yes Yes	Is Successful Yes Yes	Reader configuration result = 201. Cor Reader configuration result = 201. Cor	Message ifiguration successfully up ifiguration successfully up	ploaded to if IDEAS i ploaded to if IDEAS i	eader@IP Address = 10 eader@IP Address = 10
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6. Have Additional Questions/Need Assistance?

Tech Support

<u>Click here</u> to submit a help request to rf IDEAS Tech Support.

Troubleshooting FAQs

<u>Click here</u> access Troubleshooting FAQs.

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