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INfuse Release Notes

Version History Table

Release	AIMS Version	Firmware Version	Release Date	End of Support *
1.0		190301		October 2019
1.1	1907	190604	July 2019	January 2020
2.0	1910	190908	October 2019	April 2020
2.1	2001	191201	January 2020	July 2020
3.0	2004	200304	April 2020	April 2021
3.1	2007	200704 / 200707	July 2020	July 2021
4.0	2102	210203	March 2021	January 2022
4.1	2106	210602	July 2021	January 2023
5.0	2112	220102	January 2022	
5.1	2208	221002	December 2022	

***Notes:**

- 1) Kodak Alaris only support the two most recent version of the AIMS INfuse system
- 2) End of Support does not mean that the system will become non-functional. End of Support means that Kodak Alaris response to a support request may be that a system update is required before help/troubleshooting of reported issues will occur.
- 3) In order to ensure that all INfuse system functionality is optimally the Scanner Firmware Version must always be the matching AIMS version in the table above.
- 4) If the firmware version is more than 2 versions older than AIMS there can be connectivity issue where the scanner may not connect properly to AIMS to update the scanner firmware. Kodak Alaris Service will need to be engaged to resolve.

Kodak Infuse Management Software Version 5.1

Cloud (Management APP= 22124, AIMS =22127, Destination Service = 22130)

On-Prem (Management APP= 22133 AIMS = 22131, Destination Service = 22126, Proxy = 22132, PLUGIN:22123)

Summary

Purpose of Release: This is the updated release of the INfuse Management Software API, Management Application, Destination Service and scanner firmware.

Updated 1/16/2023 – SharePointOnline version change from V1.0.0.4 to V1.0.0.5

Installation/upgrade: Management Service API must be updated first. Scanner firmware is updated after the Management service API has been updated in the system environment.

To update the firmware, use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are configured. (Links in the firmware release note section below)

Date: December 1 ,2022

New Features for Version 5.1:

- 1) Easy Setup Changes
 - a. EasySetup with unique URL
 - b. EasySetup Proxy
- 2) New and improved configuration/system usage
 - a. INfuse system Proxy usage
 - b. Personalized Users and Buttons
 - c. Scan to the base directory at destinations
- 3) Image Output changes
 - a. Multipage Tiff with Grayscale images
- 4) SharePoint Online Destination module

NOTES:

Scanner Firmware version 221002

See API documentation for specifics on new API features

Environment Support

- 1) Cloud:
 - a. Azure
 - b. AWS (Amazon Web Services)
 - c. Alibaba platform testing was NOT performed on 5.1.
 - i. A management request to support Alibaba with V5.1 is required before that will be released.
- 2) On prem
 - a. Windows server 2019
 - b. HyperV server 2019
 - c. VMware ESXI 7.0.2
 - d. Azure VM – Server 2019
 - e. Azure VM Server 2022 HyperV
 - i. Server 2022 on a physical computer has issues and is NOT supported.
- 3) Upgrade tests performed from 4.1 and 5.0 on all existing platforms
Note: For the on-prem platform, tested both Swarm and Non-Swarm environments.

Supported versions for add-on modules

- 1) Updated:
 - a. alibaba-capaplsagemid-release-V1.1.0.18.tar.sig
 - b. amazon-capaplsagemid-release-V1.1.0.18.tar.sig
 - c. azure-capaplsagemid-release-V1.1.0.13.tar.sig
 - d. smb-capaplsagemid-release-V1.1.0.7.tar.sig
 - e. tencent-capaplsagemid-release-V1.1.0.22.tar.sig
 - f. ldap-capaplsagemid-release-V1.1.0.16.tar.sig
 - g. nimble-capaplsagemid-release-V1.1.0.10.tar.sig
 - h. papercut-capaplsagemid-release-V1.1.0.24.tar.sig
- 2) New
 - a. sharepointonline-capaplsagemid-release-V1.0.0.5.tar.sig

New Features Support

- 1) EasySetup with unique URL
 - a. Add the configuration switch System__EnableEasySetupIdBasedAccess : "true" to AIMS configuration
 - b. Enables the creation of unique URLs that organizations use for accessing the EasySetup screen. When this setting is enabled, the base URL cannot be used. The default value is false.

- 2) EasySetup Proxy
 - a. Input proxy server for scanner(s) to use when creating the EasySetup document.

- 3) INfuse system Proxy usage
 - a. Use proxy when downloading firmware

Affected entities:
Group

Affected APIs:
[POST] /api/group/
[PUT] /api/group/{name}

- 4) Use proxy for image destinations (ftp, sftp, email, emailtofax, destination service)

Affected entities:
Button

Affected APIs:
[POST] /api/ button/
[PUT] /api/ button/
[GET]/api/button/{id}
[PUT]/api/button/{id}

- 5) Use proxy with destination or authentication module
 - a. Set "name": "UseScannerProxy" in module setting.
 - b. Support by modules
 - i. Amazon S3
 - ii. SharePoint online
 - iii. Azure Blob Storage
 - iv. Alibaba OSS
 - v. Tencent COS
 - vi. Papercut

Affected entities:
Button

Affected APIs:
[POST] /api/ button/
[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

6) Personalized Users and Buttons when LDAP or Papercut Module are used

- a. Configure unique buttons for each user

Affected entities:

Users

Affected APIs:

put /api/user/{userLookupId}

get /api/users

post /api/users/import

post /api/user

7) Scan to the base directory at destinations

- a. Support by FTP, SFTP, SMB, Azure Blob, AmazonS3,SharePoint Online

ScanToRoot=true

generateUniqueFileNames=true

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

8) Multipage Tiff with Grayscale images

- a. Image output format where all grayscale images from a batch are in a single multipage tiff file.

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

9) SharePoint Online Destination module

- a. Configure per the module settings as required.

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

INfuse Release Notes

[GET]/api/button/{id}

[PUT]/api/button/{id}

Kodak Infuse Management System Version 5.1 Firmware

Version 221002

For use with Version 5.1

New Features

- 1) Support interface changes to V5.1 management service.
- 2) Support new features are outlined in the Management Software V5.1
- 3) Support updated and new licensed modules

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first.

Scanner firmware is updated after the Azure environment.

Steps to update the scanner Firmware.

- 1) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 2) Using the Alaris INfuse Management Application
 - a. Add one of the following links to all groups based on local access.

Firmware locations

Central US:

<https://infusecentralus.blob.core.windows.net/scannerfirmware/core-image-capapl-scanner-sagemid-release-221002-yeho+woGre.rootfs.tar.sig>

East Asia:

<https://infuseeastasia.blob.core.windows.net/scannerfirmware/core-image-capapl-scanner-sagemid-release-221002-yeho+woGre.rootfs.tar.sig>

West Europe:

<https://infusewesteurope.blob.core.windows.net/scannerfirmware/core-image-capapl-scanner-sagemid-release-221002-yeho+woGre.rootfs.tar.sig>

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

Kodak Infuse Management Software Version 5.0

Cloud (Management APP= 18782, AIMS =18785, Destination Service = 18787)

On-Prem (Management APP= 18789 AIMS = 18788, Destination Service = 18784) Proxy 18791)

Summary

Purpose of Release: This is the updated release of the INfuse Management Software API, Management Application, Destination Service and scanner firmware.

Installation/upgrade: Management Service API must be updated first. Scanner firmware is updated after the Management service API has been updated in the system environment.

To update the firmware, use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are configured. (Links in the firmware release note section below)

Date: January 31,2022

New Features for Version 5.0:

- 1) Static IP/DNS configuration in EasySetup sheets
- 2) Papercut module update w/pin support
- 3) AD (Active directory) and AAD (Azure Active Directory) integration support for user authentication with the Management App and EasySetup
- 4) SMB module
- 5) LDAP module update – user’s email address to be used in Email/Email-to-Fax destination
- 6) Allow user data (when applicable) can be added to the metadata file and AIMS System Events
- 7) Option to add date and Epoch time to image file names

NOTES:

Scanner Firmware version 220102

See API documentation for specifics on new API features

Environment Support

- 4) Cloud:
 - a. Azure
 - b. AWS (Amazon Web Services)
 - c. Alibaba platform testing was NOT performed on 5.0. A management request to support Alibaba with V5.0 is required before that will be released.
- 5) On prem
 - a. Windows server 2019
 - b. HyperV server 2019
 - c. VMware ESXI 7.0.2
 - d. Azure VM
- 6) Upgrade tests performed from 4.0 and 4.1 on all existing platforms
Note: For the on-prem platform, tested both Swarm and Non-Swarm environments.

Supported versions for add-on modules

- 3) Updated:
 - a. alibaba-capaplmid-release-V1.0.0.13.tar.sig
 - b. ldap-capaplmid-release-V1.0.0.13.tar.sig
 - c. nimble-capaplmid-release-V1.0.1.8.tar.sig
 - d. tencent-capaplmid-release-V1.0.0.18.tar.sig
 - e. amazon-capaplmid-release-V1.0.0.13.tar.sig
 - f. amazon-capaplmid-release-V1.0.0.13.tar.sig
 - g. papercut-capaplmid-release-V1.0.0.17.tar.sig
- 4) New
 - a. smb-capaplmid-release-V1.0.0.5.tar.sig

New Features Support

10) add date and Epoch time to image file names

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

11) NEW Destination modules

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

12) Module install and uninstall on scanners are logged

Affected APIs:

GET /api/events/changeinmoduleonscanner

Module Details

SMB module (Supports below destinations)

- Win 2019 server NTLM and Kerberos
- Linux host – Domain account, Linux VM – local account
- Azure file share – local account

Kodak Infuse Management System Version 5.0 Firmware

Version 220102

For use with Version 5.0 (Management App, Cloud = 2112.18782, ON-Prem = 2112.18789)

New Features

- 4) Support interface changes to V5.0 management service.
- 5) Support updated and new licensed modules

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first.

Scanner firmware is updated after the Azure environment.
Steps to update the scanner Firmware.

- 3) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 4) Using the Alaris INfuse Management Application
 - a. Add one of the following links to all groups based on local access.

Firmware locations

Central US:

[https://infusecentralus.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-220102-
iuNEWJ5HZD.rootfs.tar.sig](https://infusecentralus.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-220102-
iuNEWJ5HZD.rootfs.tar.sig)

East Asia:

[https://infuseeastasia.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-220102-
iuNEWJ5HZD.rootfs.tar.sig](https://infuseeastasia.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-220102-
iuNEWJ5HZD.rootfs.tar.sig)

West Europe:

[https://infusewesteurope.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-220102-
iuNEWJ5HZD.rootfs.tar.sig](https://infusewesteurope.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-220102-
iuNEWJ5HZD.rootfs.tar.sig)

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

Kodak Infuse Management Software Version 4.1

Cloud (Management APP= 2106.16003, AAMS =2106.16211, Destination Service = 2106.16143)

On-Prem (Management APP= 2106.16008 AIMS =2102.16217, Destination Service = 2102.16148) Proxy 16148)

Summary

Purpose of Release: This is the updated release of the INfuse Management Software API, Management Application, Destination Service and scanner firmware.

Installation/upgrade: Management Service API must be updated first. Scanner firmware is updated after the Management service API has been updated in the system environment.

To update the firmware, use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are configured. (Links in the firmware release note section below)

Date: July 14,2021

New Features for Version 4.1:

- 1) Auto Color Detect now supported when flatbed or combined is used as a document source.
- 2) New Destination Module Azure Blob storage
- 3) New Destination Module AWS S3 storage
- 4) New Authentication Module Papercut Modules
- 5) Updates to Nimble Module for card reader data
- 6) Updates to Alibaba OSS connector
- 7) Updates to Tencent COS connector
- 8) Updates to LDAP Authentication Module
- 9) Module install and uninstall events are logged
- 10) New OnPrem platform – VMWare Esxi 7.0.2 running Windows Server 2019 VM
- 11) New OnPrem platform – Hyper-V Server 2019 running Windows Server 2019 VM

NOTES:

Scanner Firmware version 210602

See API documentation for specifics on new API features

Environment Support

- 7) Cloud:
 - a. Azure
 - b. AWS (Amazon Web Services)
 - c. Alibaba platform testing was NOT performed on 4.1. A management request to support Alibaba with V4.1 is required before that will be released.

- 8) On prem
 - a. Windows server 2019
 - b. HyperV server 2019
 - c. VMware ESXI 7.0.2

Supported versions for add-on modules

- 5) Updated:
 - a. alibaba-capaplmid-release-210501-V1.0.0.9.tar.sig
 - b. ldap-capaplmid-release-210501-V1.0.0.9.tar.sig
 - c. nimble-capaplmid-release-210603-V1.0.1.5.tar.sig
 - d. tencent-capaplmid-release-210601-V1.0.0.14.tar.sig

- 6) New
 - a. amazon-capaplmid-release-210701-V1.0.0.11.tar.sig
 - b. azure-capaplmid-release-210501-V1.0.0.3.tar.sig
 - c. papercut-capaplmid-release-210601-V1.0.0.7.tar.sig

New Features Support

13) Auto Color Detect now supported when flatbed or combined

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

14) NEW Authentication or Destination modules

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

15) Module install and uninstall on scanners are logged

Affected APIs:

GET /api/events/changeinmoduleonscanner

Module Details

- 1) Destination Module Azure Blob storage
 - a. Details TBD
- 2) Destination Module AWS S3 storage
 - a. Module interfaces with the S3 Restful api
- 3) Authentication Module Papercut Modules
 - a. Assumptions:
 - b. The site is a Papercut MF shop, it is part of the partner/end customer business offerings.
 - i. Kodak Alaris is not able to provide him any guidance on setting up Papercut MF.
 - c. The Papercut MF solution is able (allowed to be configured for some devices) to use cards in a “swipe” only mode for authentication.
 - d. Papercut MF’s value proposition is to provide an integration bridge into an existing card credentialing/authentication solution.
 - i. Kodak Alaris is not able to provide him any guidance on procuring/configuring cards or card credentialing/authentication solutions.
 - e. The cards being used fall into the following spec:
 - i. Certified for the HID OMNIKEY 5427 CK reader
 1. The INFUSE offering officially supporting this reader only
 - ii. Certified for the MIFARE DESFire EV1 card format and the HID Prox.
 1. The INFUSE offering with HID OMNIKEY 5427 CK is fully tested and supporting these 2 identified card formats
 - a. The MIFARE DESFire EV1 format is a fairly common high frequency ISO 14443A card.
 - b. The HID Prox is a common low frequency proximity card.

Kodak Infuse Management System Version 4.1 Firmware

Version 210602

For use with Version 4.1 (Management App, Cloud = 2106.16003, ON-Prem = 2106.16008)

New Features

- 6) Support interface changes to V4.1 management service.

Problems Fixes

- 1) A few low-level OS library files were updated to more recent releases for the OS kernel that is used. There is no way for this to be known from external to the scanner as these files are not accessible.

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first.

Scanner firmware is updated after the Azure environment.

Steps to update the scanner Firmware.

- 5) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 6) Using the Alaris INfuse Management Application
 - a. Add one of the following links to all groups based on local access.

Firmware locations

Central US: <https://infusecentralus.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-210602.rootfs.tar.sig>

East Asia (Hong Kong): <https://infuseeastasia.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-210602.rootfs.tar.sig>

West Europe: <https://infusewesteurope.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-210602.rootfs.tar.sig>

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

Kodak Infuse Management Software Version 4.0

Cloud (Management APP= 2102.14971, AIMS =2102.14972, Destination Service = 2102.14974)

On-Prem (Management APP= 2102.14976, AIMS =2102.14975, Destination Service = 2102.14984) Proxy
13755)

Summary

Purpose of Release: This is the updated release of the INfuse Management Software API, Management Application, Destination Service and scanner firmware.

Installation/upgrade: Management Service API must be updated first. Scanner firmware is updated after the Management service API has been updated in the system environment.

To update the firmware, use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are on the Azure site.

Date: March 9,2021

New Features for Version 4.0:

- 1) Control of Document Feeder Handling options
- 2) Expansion Modules
- 3) Change licensing process so that scanners can be moved between Organization without contacting Kodak Alaris
- 4) Kodak Alaris firmware hosting
- 5) Setting a minimum TLS value
- 6) Management Application adds a Save a Copy for a Button configuration.

NOTES:

Scanner Firmware version 210203

See API documentation for specifics on new API features

New Environment Support

N/A

INfuse Release Notes

New Features Support

1) ADF Handling

- a. ADF Handling setting Possible Values: ['normal','stackingImproved', 'stackingBest']

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

2) Support Licensed Downloadable Modules

Affected entities:

Organization, Button or Group

Affected APIs:

API Command (section of the V4.0 (Release 200x) API Guide)	Description
3.48 post /api/organization/module	Add a new INfuse module.
3.49 put /api/organization/module/{moduleName}	Update an existing INfuse scanner module
3.50 delete /api/organization/module/{name}	Delete an INfuse Scanner Module. The module needs to be not be used throughout the system.
3.51 get /api/organization/module/{name}	Retrieve an INfuse scanner module
3.52 get /api/organization/modules	Retrieve a list of INfuse scanner modules
3.53 put /api/organization/module/{moduleName}/settings	Set organizational-level settings for an INfuse scanner module
3.54 get /api/organization/module/{moduleName}/settings	Get organizational-level settings for an INfuse scanner module
3.55 delete /api/organization/module/{moduleName}/settings	Remove organizational-level settings for an INfuse scanner module
3.56 get /api/organization/moduleLicenseInformation	Get organizational-level license information for INfuse scanner modules
3.57 get /api/organization/{moduleName}/licenseInformation	Get organizational-level license information for INfuse scanner modules

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3.58 get /api/organization/moduleLicenseTotals	Get organizational-level license totals for INfuse scanner modules
3.59 get /api/organization/moduleLicenseCaps	Get organizational-level license caps for INfuse scanner modules
3.60 get /api/organization/module/{moduleName}/licenseCap	Get organizational-level license cap for an INfuse scanner modules
3.61 put /api/organization/module/{moduleName}/licenseCap	Modify organizational-level license cap for an INfuse scanner module

Updates:

- 1) N/A

Kodak Infuse Management System Version 4.0 Firmware

Version 210203

For use with Version 4.0 (Management Application, Cloud = 2102.14971, ON-Prem = 2102.14976)

New Features

- 1) Support up to 17-inch-long documents
- 2) support the SHIFT-JIS 0x208 character set and to convert that character set to UTF8 when found. Unsupported character sets within barcodes will be base64 encoded. Sample code can be provided upon request for decoding the base64 vales. Values within a barcode, must be UTF8.

Problems Fixes

- 1) TBD

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first.

Scanner firmware is updated after the Azure environment.

Steps to update the scanner Firmware.

- 1) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 2) Using the Alaris INfuse Management Application
 - a. Add one of the following link to all groups based on local access.

<https://infusecentralus.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-210203.rootfs.tar.sig>

<https://infuseeastasia.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-210203.rootfs.tar.sig>

<https://infusewesteurope.blob.core.windows.net/scannerfirmware/core-image-capapl-capaplmid-release-210203.rootfs.tar.sig>

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

Kodak Infuse Management Software Version 3.1

Cloud (Management APP= 2007.11430, AIMS =2007.11429, Destination Service = 2007.11428) (Sample Plugin:11417)

On-Prem (Management APP= 2007.11410, AIMS =2007.11406, Destination Service = 2007.11408) (sample Plugin 11411, Proxy 11328)

Summary

Purpose of Release: This is the updated release of the INfuse Management Software API, Management Application,, Destination Service and scanner firmware.

Installation/upgrade: Management Software API must be updated first. Scanner firmware is updated after the Azure environment.

To update the firmware use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are on the Azure site.

Date: July 16 ,2020

New Features for Version 3.1:

NOTES:

Scanner Firmware version 200707

See API documentation for specifics on new API features

New Environment Support

Windows Server 2019

New Features Support

- 1) Flatbed paper source
 - a. Used for either Integrated A4/Legal Flatbed and A3 flatbed
 - b. Paper Source = flatbed

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

INfuse Release Notes

- 2) Added ability to prompt for Date or Invoice Number or Additional Info in button workflow & include the date in the metadata file

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

- 3) Electronic color dropout

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

- 4) Auto Color Detect (automatically switching between Color and Black and White based on image content)

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

- 5) 150 DPI added as a resolution option

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

Updates:

- 1) Management Application is supported for production when used with the Chrome Browser. Other browsers are not supported.
- 2) Input fields in the management application can be in the Thai language

Kodak Infuse Management System Version 3.1 Firmware

version ~~200704~~ (Replaced with 200707)

For use with Version 3.1 (Management Application reports as 2007.11091)

New Features

- 1) Support Thai Language Support on the OCP

Problems Fixes

- 1) 200707 fixes an issue which was introduced with 200704 that when using the OCP user input options for a button and the output image is a PDF.

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first.

Scanner firmware is updated after the Azure environment.

Steps to update the scanner Firmware.

- 1) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 2) Using the Alaris INfuse Management Application
 - a. Add the following link to all groups on the Azure site.
 - b. <https://captureappliancestorage.blob.core.windows.net/firmwarefiles/core-image-capapl-capaplmid-release-200707.rootfs.tar.sig>

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

AIMS Version 3.0

(Management APP= 2004.10092, AIMS =2004.10037, Destination Service = 2004.9813) Summary

Purpose of Release: This is the updated release of the INfuse Management Software API, Management Application,, Destination Service and scanner firmware.

Installation/upgrade: Management Software API must be updated first. Scanner firmware is updated after the Azure environment.

To update the firmware use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are on the Azure site.

Date: April 13,2020

New Features for Version 3.0:

NOTES:

Scanner Firmware version 200304

See API documentation for specifics on new API features

New Environment Support

Alibaba

New Features Support

- 1) Combined ADF and Passport flatbed paper source
 - a. Paper Source = Combined is added to the button configuration options.

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

- 2) UDDS Multi-feed configuration support

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

INfuse Release Notes

[GET]/api/button/{id}

[PUT]/api/button/{id}

- 3) Barcode reading can be enabled.

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

- 4) Skip Blank Page support for PDF, Multipage PDF and Multipage Tiff

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

- 5) Blank Page Threshold support

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

Updates:

- 1) New Easy Setup Interface (refresh Browser webpage to update Browser Cache) (CNTRL-F5)

AIMS 3.0 Firmware

version 200403

For use with Version 3.0 (Management Application reports as 2004.10092)

New Features

- 1) Support new features which are added or changed to AIMS

Problems Fixes

- 1) N/A
- 2)

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first.

Scanner firmware is updated after the Azure environment.
Steps to update the scanner Firmware.

- 1) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 2) Using the Alaris INfuse Management Application
 - a. Add the following link to all groups on the Azure site.
 - b. <https://captureappliancestorage.blob.core.windows.net/firmwarefiles/core-image-capapl-capaplmid-release-200304.rootfs.tar.sig>

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

AIMS Version 2.1

(Example APP= 2001.8920, AIMS =2001.8921) Summary

Purpose of Release: This is the updated release of the INFuse Management Software API, Management Application and scanner firmware.

Installation/upgrade: Management Software API must be updated first. Scanner firmware is updated after the Azure environment.

To update the firmware use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are on the Azure site.

Date: December xx,2019

New Features for Version 2.1(reports as 2001.8921):

NOTES:

Scanner Firmware version 200101

See API documentation for specifics on new API features

New Environment Support

None

New Features Support

- 1) Admin password (set at AIMS per group)
 - a. The system will no longer can set admin password using the scanner OCP.
 - b. The Admin Password is set in the AIMS group.
 - c. When password set, FIPS related items hidden behind Admin password @ scanner

Affected entities:
Group

Affected API:
[GET]/api/group/{name}
[POST]/api/group
[PUT]/api/group/{name}
- 2) Access Code – (set at AIMS per group),
 - a. An access pin is validated by AIMS for access to the scanner directly
 - b. The access pin is set at the AIMS group.
 - c. The scanner OCP Buttons are only shown to user after access code entered and validated.

Affected entities:
Group

INfuse Release Notes

Affected API:

[GET]/api/group/{name}

[POST]/api/group

[PUT]/api/group/{name}

3) Multipage PDF support for destination service

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

4) Multipage TIFF support for destination service

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

5) Added ability to prompt for date in button workflow & include the date in the metadata file

Affected entities:

Button

Affected APIs:

[POST] /api/ button/

[PUT] /api/ button/

[GET]/api/button/{id}

[PUT]/api/button/{id}

Issues Fixed

- 1) INfuse Destination Plugin Failed notification type
 - a. This notification applies to INfuse destination plugins configured to run in Active mode. A notification will be sent out when a plugin fails to respond with a success status code to http requests sent by the INfuse Destination Service when it receives scanned documents destined for this plugin.
- 2) Fixes/improvements to sample INfuse Destination plugins
 - a. Performance optimization fixes and improvements were made to the sample INfuse Destination plugins
- 3) Fixes/Improvements to the INfuse Destination Service
 - a. Errors that occur in the Destination Service are being sent to the INfuse Service and saved in the Event collection in the Database.

AIMS 2.1 Firmware

version 200101

For use with Version 2.1 (Management Application reports as 2001.8920)

New Features

- 1) Admin password can now only be set using the AIMS API
- 2) Support for the use of an access pin number when part of a group that is configured to use the access pin number
- 3) Support for the date prompt when a button is configured to prompt the user for a date

Problems Fixes

- 1) Disable Arabic Auto Orientation algorithm which can result in inaccurate rotation of some non-Arabic images.
- 2)

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first.

Scanner firmware is updated after the Azure environment.

Steps to update the scanner Firmware.

- 1) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 2) Using the Alaris INfuse Management Application
 - a. Add the following link to all groups on the Azure site.
 - b. <https://captureappliancestorage.blob.core.windows.net/firmwarefiles/core-image-capapl-capaplmid-release-200101.rootfs.tar.sig>

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

AIMS Version 2.0

(reports as 1910) Summary

Purpose of Release: This is the updated release of the INFuse Management Software API, Management Application and scanner firmware.

Installation/upgrade: Management Software API must be updated first. Scanner firmware is updated after the Azure environment.

To update the firmware use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are on the Azure site.

Date: October 9,2019

New Features for Version 2.0(reports as 1910):

NOTES:

Scanner Firmware version 190908

See API documentation for specifics on new API features

New Environment Support

Amazon Web Service (AWS) support

Support for hosting in Amazon Web services is now available. This includes the INFuse Management Service and the reference application. This does NOT include support for the new INFuse Destination Service API.

New Features Support

- 1) Added support for the Alaris Passport scanner
 - a. A passport scanner can now be connected to the INFuse AX scanner and buttons can be configured to scan from it.

Affected entities:

Button
PassportScannerSettings
- 2) New destination type added – INFuse Destination Service
 - a. A new destination type, called INFuse Destination Service was introduced. It requires the INFuse Destination Service component to be deployed as part of the INFuse Solution environment. It is available in the form of a Linux Docker Container. See the INFuse AX – Azure Setup document for deployment and configuration instructions. A sample plugin (code and binaries) are also available as a reference for professional services and integrators.

INfuse Release Notes

Affected APIs:

[GET]/api/organization/destinationplugins
[POST]/api/organization/destinationplugin
[PUT]/api/organization/destinationplugin
[DELETE]/api/organization/destinationplugin
[GET]/api/organization/destinationsservices
[DELETE]/api/organization/destinationsservice

Affected entities:

Destination
InfuseDestination
Organization

- b. INfuse Destination Service API (Microsoft Azure Only) **Container Version: 8333**
 - i. INfuse Destination Service destination health check is part of the overall health check
 1. INfuse Destination Service destination check was added to the scanner Health Check.

New Administrative/Security Functionality

1) Added a private API to generate a new API Key for the master org

A new API Key can now be generated for the master organization using the API. The procedure for updating the key in the INfuse Service is described in the INfuse AX - Azure Setup document.

Affected APIs:

[GET] /api/organization/newapikey

2) Notification for firmware update failures

The new notification is used to notify system administrators of failed attempts to update firmware on scanners.

3) Third Party SSL certificates are supported when hosting in Azure and AWS

SSL certificates signed by third party Certificate Authorities can now be used in addition to digital certificates generated in Azure and AWS for secure HTTPS communication.

4) Improvements to the FW update performance

Improvements were made to the FW update file verification functionality.

5) Historical scanner meter data is now stored in the System Events collection

6) Feedback behavior and SuppressMetadataFile settings are mutually exclusive.

Generation of the metadata file must be enabled in order for the feedback behavior to work.

INfuse Release Notes

7) **Firmware-Software feature compatibility document is introduced**

The document lists features and the firmware and software versions that support them. The features will not work if the software or firmware version is older than required.

Updated Functionality

1) **Firmware update events are now being saved in the Events Collection**

- a. The scanner now sends firmware update status events to the INfuse Service, so they can be retrieved via the /api/events API.

AIMS 2.0 Firmware

version 190908

For use with Version 2.0 (Management Application reports as 2001)

New Features

- 1) Scanner Reset menu item is not password protected
 - a. In order to avoid the risk of have the scanners be non-functional the menu item does not require Admin Access now.
- 2) Default Scanner Friendly Name changed
 - a. The default Scanner Friendly Name was changed for security reasons.
- 3) Decrease the Time-To-1st paper movement on Scan start
- 4) Support for INfuse Destination Service Destination
- 5) Support for Alaris Passport Scanner

Problems Fixes

- 1) Scanner Memory Optimizations
- 2) Scanner may now reset properly when the Scanner Group Name contains special characters.

Installation/upgrade for Kodak Alaris Pilot sites: Management Software API must be updated first. Scanner firmware is updated after the Azure environment.

- 1) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

- 2) Using the Alaris INfuse Management Application
 - a. Add the following link to all groups on the Azure site.

INfuse Release Notes

Edit PAGroup ×

Name <https://captureappliancestorage.blob.core.windows.net/firmwarefiles/core-image-capapl-capaplmid-release-190908.rootfs.tar.sig>

Firmware Url

Firmware Version

Allow Firmware Downgrade

Scanner message

Perform health check on power up

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.

AIMS Version 1.1**(reports as 1907) Summary**

Purpose of Release: This is the updated release of the INfuse Management Software API, Management Application and scanner firmware.

Installation/upgrade: Management Software API must be updated first. Scanner firmware is updated after the Azure environment.

To update the firmware use the API call **put /api/group/{name}** to update the **firmwareurl** for the current group(s) which are on the Azure site.

Date: July 12,2019

New Features for Version 1.1(reports as 1907):**NOTES:****Scanner Firmware version 190604****See API documentation for specifics on new API features**

1. **Health check** - Health checks can be performed on either a scanner or a group to verify button destinations and other health-related items. The function verifies the following during the check.
 - i. Connectivity through proxy (if configured)
 - ii. Connectivity to final destination
 - iii. Version compatibility between the scanner firmware and management service.

Affected APIs:

[POST] /api/scanner/{scannerId}/healthcheck

[POST] /api/group/{name}/healthcheck

2. **Destination test** - A destination test can be performed on a scanner to verify a button destination. The purpose of the test is to verify a new or modified button destination on a scanner before saving the changes.

Affected APIs:

[POST] /api/button/testdestination/

3. **Perform Health Check at Power-On for a group** - A new Boolean PerformHealthCheckOnPowerOn is introduced as part of the Group entity. Setting this value to true will tell scanners that are a part of this group to perform a health check on every power-on.

Affected entities:

Group

NewGroup

4. **Email-To-Fax destination** - The EmailToFax destination type allows for the integration of an email-to-fax service and offers some additional functionality to the scanner operator such as prompting for the fax phone number or a single number can be configured to the button.

INfuse Release Notes

Affected entities:

EmailToFaxDestination
Button
NewButton
ModifyButton

5. **Stream images while scanning** - A StreamImagesWhileScanning Boolean is introduced for SFTP and FTP destinations which allows the scanner to copy image files to the destination while the scanner is still scanning. This functionality is ONLY available for jpg, tiff and pdf output types. It is NOT available for multi-page output.

Affected entities:

SftpDestination
FtpDestination

6. **Notification type for health check failures** - A new notification type HealthCheckFailed is introduced to allow for the notifications of failed health checks to be created.

Affected entities

NewNotification
Notification

Improvements for Version 1.1 (reports as 1907):

1. **Admin Notification changes** - Recommendation that each notification to contain only one type - There is a new recommendation that each notification definition created should contain only one notification type. This is to alleviate confusion with using the predefined keyword variables in the subject and body
2. **New tags available for notification emails** - The new tags of scannerHealthCheckLastReported and scannerHealthCheckMessage are available for use within the subject and body fields of a notification definition.

Affected entities

EmailNotification

3. **EasySetup sheet** - A group name can now be selected when creating an EasySetup sheet. A group has to be added via the INfuse Management Service before it will show in the list of available groups. To use this feature the scanner firmware must be upgraded to the version certified with Release 1907 before scanning an EasySetup sheet with a group assignment. Note: old EasySetup sheets generated with the previous version of the management service will continue to work with the new firmware. However, the scanner will be placed in the default group after scanning the EasySetup sheet.
4. **Back tick character (`) is now invalid for a group name** - The back tick character (`) is not allowed to be in a group name

Affected entities:

Group
NewGroup

Affected APIs:

[PUT] /api/group/{name}
[POST] /api/group/{name}

INfuse Release Notes

5. **Custom Message** - The Custom Message dialog was redesigned and now takes up the entire OCP screen. The Custom Message dialog is used in alert messages, group sticky messages, and closed loop (feedback) messages.

6. FTP and SFTP Folder Prefix Job Numbering is Now Case-Insensitive

Affected entities:

SftpDestination

FtpDestination

7. FTP and SFTP Folder Prefix Now Accept Back Slash and Forward Slash “\”, “/”

a. FTP, SFTP, and Email Destination Credentials Now Accept Special Characters \ " @ :

b. Proxy Connection Credentials to INfuse Management Service Now Accept Special Characters “\”

Affected entities:

SftpDestination

FtpDestination

AIMS 1.1 Firmware

version 190604

For use with Version 1.1 (Management Application reports as 1907)

Installation/upgrade: Management Software API must be updated first. Scanner firmware is updated after the Azure environment.

1) Using the API.

Use the **put /api/group/{name}** command to update the **firmwareurl** for the group.

OR

2) Using the Alaris INfuse Management Application

a. Add the following link to all groups on the Azure site.

INfuse Release Notes

Edit PAGroup ✕

Name <https://captureappliancestorage.blob.core.windows.net/firmwarefiles/core-image-capapl-capaplmid-release-190604.rootfs.tar.sig>

Firmware Url

Firmware Version

Allow Firmware Downgrade

Scanner message

Perform health check on power up

This will automatically update any machines currently in the group or the next time a scanner is connected that group the firmware will be updated.