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GlobalScan NX Installation/Uninstallation/Update Guide

April, 2010 Subject to change Ricoh Company LTD

Installation

Confirmation Points before Installation

- Make sure that the System firmware of the **target machine** is the latest version.
- Make sure that the version of Java VM installed to the card is the latest version. (See the "Release Note of GlobalScan NX SDK Application" regarding the System firmware and Java VM version requirements.)
- Only the Card Authentication Package (CAP) and Enhanced Locked Print NX (ELP NX) SDK applications are supported for use with the GlobalScan NX SDK application. Other Type C or Type J SDK applications are not supported.
- Please confirm the version compatibility between GlobalScan NX and CAP. For details, refer to the following table:

GlobalScan NX	CAP	Compatibility
V1.3.3.0	V1.3.0.0	OK
V1.3.3.0	V1.2.0.0	OK

- GlobalScan NX requires that the device's Auto Off Timer be set to 5 minutes or longer. *This is because the device might not work correctly if it enters Sleep Mode before the VM, GlobalScan NX applications finish starting up.*
- To use GlobalScan NX with the following models, please have the customer purchase memory modules to expand the available system (MFP) memory:
 - AL-C1, R-C5 (monochrome scanner models): Needs to be expanded to 768MB (max.).
 - DI-C1: Needs to be expanded to 1024MB (max.).
- For AL-C1 and R-C5, the IPDS option and Global Scan NX (Java VM) cannot be used at the same time.

Installation of GlobalScan NX SDK Application

There are two installation methods for the "GlobalScan NX SDK Application". You can choose one of these installation methods;

- For installing in a small number of machines, "Installation Method 1" is recommended.
- For installing in a large number of machines, "Installation Method 2" is recommended.

Installation Method 1

Note

This method is not usable with the S-C4 due to the limited display capabilities

of the S-C4's 4-line LCD panel.

- 1. Prepare the GlobalScan NX SDK application (D4205101.zip) on your PC. Note: File name of the zip file is subject to change.
- 2. Unzip the D4205101 zip file to create the "336920832" folder and "package.xml" file.



3. Insert a VM card to a Panasonic SD Card Reader/Writer that is connected to the PC. Access the VM card, and verify that the following folders exist. Copy the "336920832" folder to the "dist" folder (sdk/dsdk/dist) of the VM card, as shown below.



- 4. Remove the VM card from the Panasonic SD Card Reader Writer.
- 5. Go to the target machine and insert the VM card into the service slot when it is turned off.
- 6. Turn on the target machine, and Java VM will install itself on the target machine.
- 7. Ask the machine's administrator to login to the target machine as an administrator.
- 8. Press the "User Tools" key, and then push the "Extended Feature Settings" button on the operation panel.



9. Next, select "Extended Feature Settings".

😤 Extended Feature Setting Menu	Exit
Extended Feature Settings JavaTM Platform	
System Status Job List	5 AUG 2008 14:16

10. Select the "Install" tab, followed by "SD Card".

\overline 🗄 Extended	d Featur	e Settings			Exit
Startup Setting	nstall	Uninstall Cha Alloo	ange Extended cation Feature Info	Administrator Tools	
Select a source medi	a, then selec	t extended feature(s) t	to install.		
Media	Туре	Extended Feature Name	Description	Version	Source
SD Card	Type-J	GlobalScan NX		1.00	SD Card Slot 2
Web Server	Type-C	JavaTM Platform	Extended Feature(Ja.	4.07	SD Card Slot 2
			System Status 🛛 Job List		5 AUG 2008 14:26

11. Select GlobalScan NX, and select the service slot (the actual slot will vary depending on the machine) and "Auto Start". By selecting "Auto Start", the GlobalScan NX service will automatically start-up after completing the activation process and rebooting the machine. Press "Next" to continue this installation procedure.

📰 Extende	d Feature	Settings			Exit
Startup Setting Select a source med	Install	Extended Feature Installation Select installation target ar	n (nd startup method.	Cancel .	Next
Media SD Card Web Server	Type Type-J G Type-C J	►Install to Machine HDD SD Card Slot 1	SD Card Slot 2	SD Car	d Slot 3
		►Startup Method Auto Start	Do not Auto Star	t	5 AUG 2008
		System Sta	atus 🛛 Job List		5 AUG 2008 14:28

Note

• Do not install "GlobalScan NX" to the HDD of the target machine.

 Switching GlobalScan NX manually between "Stop" and "Starting-up" on the operation panel might cause the device to run out of memory. So, we recommend using Auto Start.

12. Verify that the displayed SDK application name and version number are correct.



 If the displayed SDK application is not what you want to install, verify that the contents of the VM card are correct and retry this installation.

- 13. Press "OK" to complete this installation.
- 14. Java VM applications use the "Other Functions" key by default. If the user wants reassign the key used to access GlobalScan NX, please use the "Change Allocation" tab, located on the "Extended Feature Settings" screen.

물 Exte	ended	Featur	e Setting	JS			Ex
Startup Setting		stall	Uninstall	Change Allocation	Extended Feature Info	Administrator Tools	
Select an ext	ended fea	ature to cha	ange key alloo	ation.			
Sta	atus	Extended Fe	ature Name	Description	Version	Allo	cated Key

15. Press the "Administrator Tools" tab, and then press the "Heap/ Stack Size Settings" button.

🛃 Extended F	eature Se	ttings				Exit
Startup Setting Inst	all Unin	stall A	Change Illocation	Extended Feature Info	Administrator Tools	←
Select item(s) to set.						
Copy Extended Fea	itures					
Copy Card Save 1	Data					
Web Installation Se	ettings					
Heap / Stack Size S	ettings	-				
Toper Cartridge is almost em	etv					AUG 7,2008
Yellow			System St	itus 🦳 Job Lis	t	8:05PM
						gl_i116

16. Press the "Change" button.

苦 Extended Feature	e Settings			Exit
Startup Setting Install Select item(s) to set.	Heap / Stack Siz Specify size(s). ▶Heap Size <2	e Settings MR to 16 MR>	Cancel	ОК
Copy Extended Features	8 ►Stack Size <3 64	MI Change 52 KB to 128 KB> KB Change Res	■ Defaults	
Heap / Stack Size Settings	Free Total	System Memory 38,674,432 203,923,456	Heap 3,008,132 8,388,608	
Toner Cartridge is almost empty. Yellow		System Status Job L	ist	AUG 7.2008 8:02PM gl_i117

17. Input the appropriate value using the numeric keys on the operation panel and then press the "# (Enter)" key. The required heap size depends on the combination of installed applications. For

details, refer to the table below:

GlobalScan NX	CAP	ELP-NX	Required Heap Size
Yes	-	-	Default Setting
Yes	Yes	-	16 MB
Yes	Yes	Yes	16 MB



18. Press the "OK" button to return to the previous screen.

- 19. Press the "User Tools" key to exit the UP mode.
- 20. Turn the target machine off and on.
- 21. Activate "GlobalScan NX" using Remote Manager.
 - 1 🕓 Note
 - For details, see "Product Activation" in the "Embedded Software Remote Manager Operation Guide".
- 22. Reboot the MFP. If using Auto Start (as recommended), GlobalScan NX will start up after activation and rebooting the MFP.

U Note

1. Both Web Image Monitor and the MFP's Extended Feature Settings screen may display the status of GlobalScan NX as "Suspend". This is equivalent to "Starting Up" and is normal behavior.

Installation Method 2

1. Install the GlobalScan NX SDK application (D4205101.zip) to the target machine using Remote Manager.

Note

- File name of the zip file is subject to change.
- Use the zipped file as it is (do not unzip it).
- For the correct procedure, see the "Installation and Activation" section in the "Embedded Software Remote Manager Operation Guide".
- 2. "Activate "GlobalScan NX" using Remote Manager.

1. For details, see "Product Activation" in the "Embedded Software Remote Manager Operation Guide".

- 3. Access the target machine's Web Image Monitor.
- 4. Login to the target machine using a machine administrator name and password.
- 5. Click the "Configuration" button.
- 6. Click "Extended Feature Info".
- 7. Click the "Details" icon for "GlobalScan NX" (see below).

RICOH Aficio	MP C3	300 Web	Image Moni	tor
Extended Feature	Info			
Back				
	Total Ap	plications:2	2	
Extended Feature Name	Prio	rity Type	Status	Description
GlobalScan NX		3	Starting Up	
JavaTM Platform		с	Starting Up	Extended Feature(JavaTM Platform)

8. Make sure that Auto Start is set to "On". (Default: On)

RICOH Afici	o MP C3300	Web Image Monitor
Extended Feature	Info	
Back		
Extended Feature Na	me : GlobalScan N	х
Description	:	
Version	: 1.3.3.0	
Product ID	: 336920832	
Startup Location	: SD Card Slot	2
Vendor	:	
Contact		
TEL	:	
Fax	:	
E-mail	:	
Auto Start	: On	

9. Reboot the MFP using the "Reset Device" button located on the Web Image Monitor main page. As long as Auto Start set to "On", GlobalScan NX will start up automatically after activation and the MFP has been rebooted.

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		e (?
RICOH A	ficio MP C3300 Web Image Monitor	≞ V £
Home Document Server Printer: Print Jobs Job Address Book	Home Status Device Info Counter Inquiry Device Name : RICOH Aficio MP C3300 Location : Comment : Host Name : RNPFB821B	English
Configuration	Reset Device Reset Printer Job	
Note		

Note

 Both Web Image Monitor and the MFP's Extended Feature Settings screen may display the status of GlobalScan NX as "Suspend". This is equivalent to "Starting Up" and is normal behavior.

10. If required, change the "Heap/ Stack Size Settings" using Web Image Monitor. Heap/Stack Size can be set on the screen accessed by Configuration > Extended Feature Settings > Administrator Tools

Apply Back		
Appry		
Web Installation Settings		
Web Installation Settings	: 🔿 On 💿 Off	
HTTP Proxy	: 🔿 On 💿 Off	
Server	:	
Port	:	
User Name	:	
Password	: Change	
URL	:	
URL	:	
Heap / Stack Size Settings		
Heap Size	: 12	MB (2 - 16 MB)
Stack Size	. 64	VP (22 64 VP)

Note

• The required heap size depends on the combination of installed applications. For details, refer to the table below:

GlobalScan NX	CAP	ELP-NX	Required Heap Size
Yes	-	-	Default Setting
Yes	Yes	-	16 MB
Yes	Yes	Yes	16 MB

Uninstallation

Uninstallation of GlobalScan NX SDK application

- 1. Turn on the target machine.
- Deactivate the "GlobalScan NX" application using Remote Manager. For details, see "Deactivation" in the "Embedded Software Remote Manager Operation Guide".
 Important

- Before uninstalling activated SDK applications, deactivation must be done. Otherwise, the product key will become unusable.

3. Uninstall the GlobalScan NX SDK application, but not the Java VM application, using the operation panel or Remote Manager.

Note

 Please use Web Image Monitor or Remote Manager if the target MFP is a S-C4.

- 4. Reboot the target machine.
- 5. Uninstall the Java VM application using the operation panel or Web Image Monitor.
- 6. Turn off the target machine, and then remove the VM card from the target machine.

Remote Updating Procedure

Updating of GlobalScan NX SDK application

Important)

First update the Java VM Platform if the Java VM Platform and GlobalScan NX SDK Application are supposed to be updated at the same time.

1. Ask a machine administrator to stop the GlobalScan NX SDK Application with the operation panel (the procedure for stopping a GlobalScan NX SDK application is described below for reference).

Note

- Stop other SDK Applications if they have been installed in the machine.
- You can also stop the GlobalScan NX SDK Application with the web image monitor (the procedure for stopping a GlobalScan NX SDK application is described below for reference).
- 2. Launch the Remote Manager.
- 3. Add a GlobalScan NX SDK Application (D4205171 Zip) for updating in the Remote Manager
 - Note
 - File name of the zip file is subject to change.
 - See the "Adding a DSDK Application in the Remote Manager" sub section of the "DSDK Application Installation" section of the "Embedded Software Remote Manager Operation Guide".
- 4. Install the GlobalScan NX SDK Application for updating in the target machine **Note**

See the "Installing the DSDK Application in the Target Machine" sub section of the "DSDK Application Installation" section of the "Embedded Software Remote Manager Operation Guide".

- 5. Turn off and on the target machine.
- 6. Ask a machine administrator to check if the version of the GlobalScan NX SDK Application is updated and if the installed GlobalScan NX SDK Application is "Starting Up".

To stop a GlobalScan NX SDK application with Operation Panel

- 1. Press User Tools/Counter key on the machine's operation panel.
- 2. Log in the "User Tools" using a machine administrator account (user name and password).

🚸 Us	er Tools / Cou	nter / Inquiry	Exit
R	Curtan Catting	Copier / Document Server Features	Español
	System Settings	Facsimile Features	1 Inquiry
		Printer Features	
ß	Maintenance	Scanner Features	
123	Counter	Extended Feature Settings	
		System Status Job List	FEB 27,2008 11:48PM

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- The screen shown above is displayed.
 Press "Extended Features Settings".

2	Extended Feature Setting Me	nu	1	Exit
	Extended Feature Settings		JavaTM Platform	
				cav2i064

- 5. The screen shown above is displayed.
- 6. Press "Extended Features Settings".

Type	Extended Feature Name	Description	Version	Startup Locatio
Type-J	GlobalScan NX		1.00	SD Card Slot 3
Туре-С	JavaTM Platform	PRE02 Extended Feat	2.13	SD Card Slot 3
Туре-С	JavaTM Platform	PRE02 Extended Feat	2.13	SD Card Slot
	Туре-Ј Туре-С	Type-J GlobalScan NX Type-C JavaTM Platform	Type Extended Feature Name Description Type-J GlobalScan NX Type-C JavaTM Platform PRE02 Extended Feat	Type Extended Feature Name Description Version Type=J GlobalScan NX 1.00 1.00 Type=C JavaTM Platform PRE02 Extended Feat 2.13 2.13

7. Press the GlobalScan NX SDK application bar to stop the application.

🛃 Extended	l Featur	e Settings			Exit
Startup Setting Ir	nstall	Uninstall Ch Allo	ange cation Feature Info	Administrator Tools	
Select extended featu	re(s) to st	art or stop.			
Priority Status	Туре	Extended Feature Name	Description	Version	Startup Location
Priority Stop	Type-J	GlobalScan NX		1.00	SD Card Slot 3
Starting Up	Type-C	JavaTM Platform	PRE02 Extended Feat	. 2.13	SD Card Slot 3
			System Status 🛛 Job List		MAY 13,2008 6:36PM

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8. "Stop" is displayed in the Status column and the GlobalScan NX SDK application bar turns white when the GlobalScan NX SDK application is stopped.

To stop a GlobalScan NX SDK application with Web Image Monitor



- 1. Access the target machine's Web Image Monitor.
- 2. Click the "Login" button.

RICOH	
	Web Image Monitor
Login User Name : Login Password : Login	
Cancel	cav2i088

3. Login to the target machine using a machine administrator name and password.

Home	Home			
Document Server	Statur	Denira Info Countar Inonine		
Fax Received File		Levice may Counter Indusy		
Printer: Print Jobs	Device Naz	me : RICOH Aficio MP C3500		
Job	Comment			Contraction of the local division of the loc
Configuration	Host Name	RNPA90FD5		
				n U
	Status			n l
	Status System	Call Service		n l
	Status System Printer	Call Service	Printer:	
	Status System Printer Copier	Call Service Toner Almost Empty	Printer: No Paper: Tray 1 No Paper: Tray 2	n U
	Status System Printer Copier Fax	Call Service Toner Almost Empty	Printer: No Paper: Tray 1 No Paper: Tray 2 Low: Yellow Toner Panel Off Mode	n U
	Status System Printer Copier Fax Scanner	Cull Service Cull Service Toner Almost Empty Cull Alert Energy Server Mode	Printer: No Paper: Tray 1 No Paper: Tray 2 Low: Yellow Toner Parel Off Mode	n U

4. Click "Configuration".

rimer	SSL/TLS
Basic Settings	E eth
Trav Parameters (PCL)	Site Certificate
	Device Certificate
Fax	
Environment Settings	RC Gate
Send / Reception Settings	Setup RC Gate
IP-Fax Settings	Update RC Gate Firmware
IP-Fax Gateway Settings	RC Gate Proxy Server
Parameter Settings	
	Webpage
Interface	Webpare
Interface Settings	
	Extended Feature Settings
	💓 🖬 Startup Setting 📥
	Extended Peature Indo
	Install
	Uninstall
	Change Allocation
	Administrator Tools
	Copy Extended Features
	Copy Card Save Data

5. Click "Startup Setting" in the "Extended Feature Settings" section.

otartap	betting					
Bac	k					
3 🕤 1	Total Applications 2					
Selection	Total Applications 2 Extended Feature Name	Priority	Туре	Status	Description	Versio
Selection	Total Applications 2 Extended Feature Name GlobalScan NX	Priority	Туре Ј	Status Starting Up	Description	Versio 1.00

Check the radio button of a GlobalScan NX SDK application to be updated, and then click the "Start Up/Stop".

Back	¢						
e (j li	1 Deficitions 2	incel					
Selection	Extended Feature Name		Priority	Type	Status	Description	Version
C	GlobalScan NX		1	J	Stop		1.00
0	JavaTM Platform			с	Starting Up	PRE02 Extended Feature(JavaTM Platform)	2.13

^{cav2i092} 7. "Stop" is displayed in the Status column if the GlobalScan NX SDK application is stopped.