

# **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

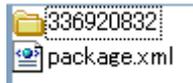
---

 **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.

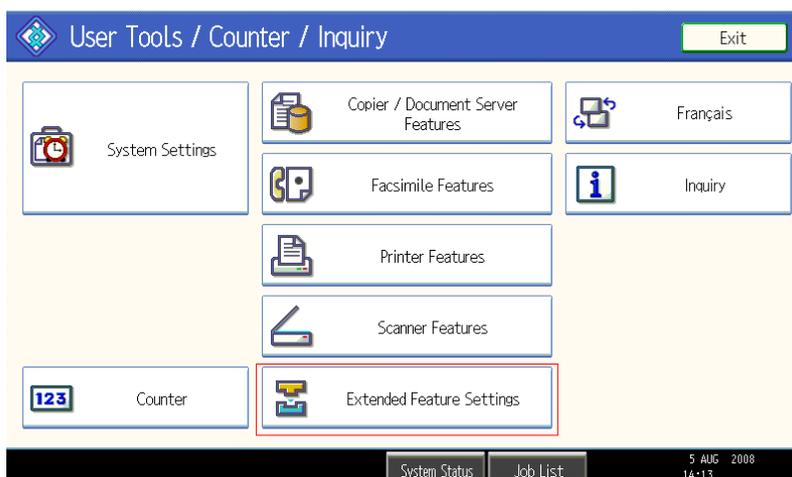
1. Prepare the GlobalScan NX SDK application (D4205101.zip) on your PC.  
Note: File name of the zip file is subject to change.
2. Unzip the D4205101 zip file to create the "336920832" folder and "package.xml" file.



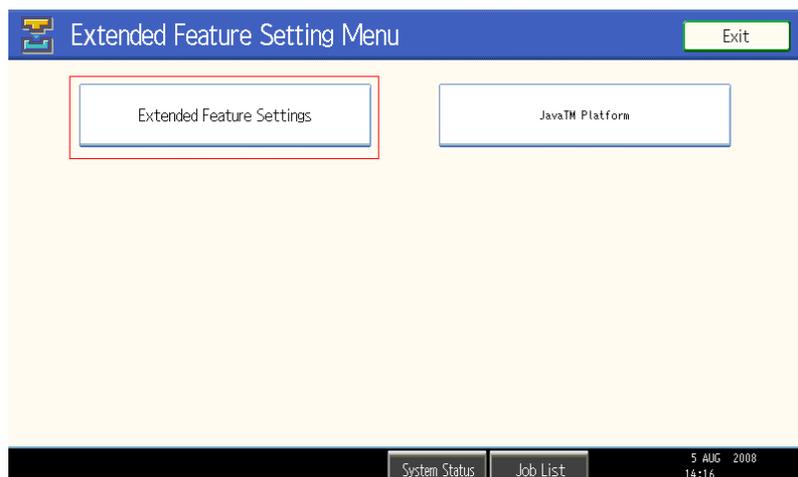
3. Insert a VM card to a Panasonic SD Card Reader/Writer that is connected to the PC. Access the VM card, and verify that the following folders exist. Copy the "336920832" folder to the "dist" folder (sdk/dsdk/dist) of the VM card, as shown below.



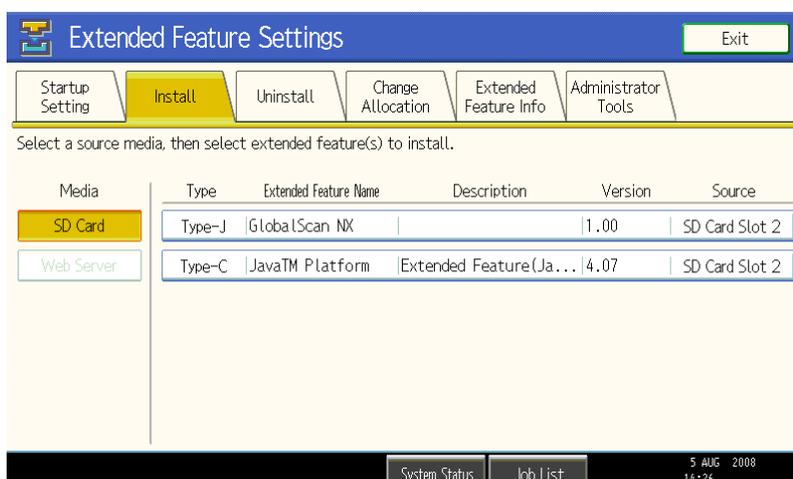
4. Remove the VM card from the Panasonic SD Card Reader Writer.
5. Go to the target machine and insert the VM card into the service slot when it is turned off.
6. Turn on the target machine, and Java VM will install itself on the target machine.
7. Ask the machine's administrator to login to the target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



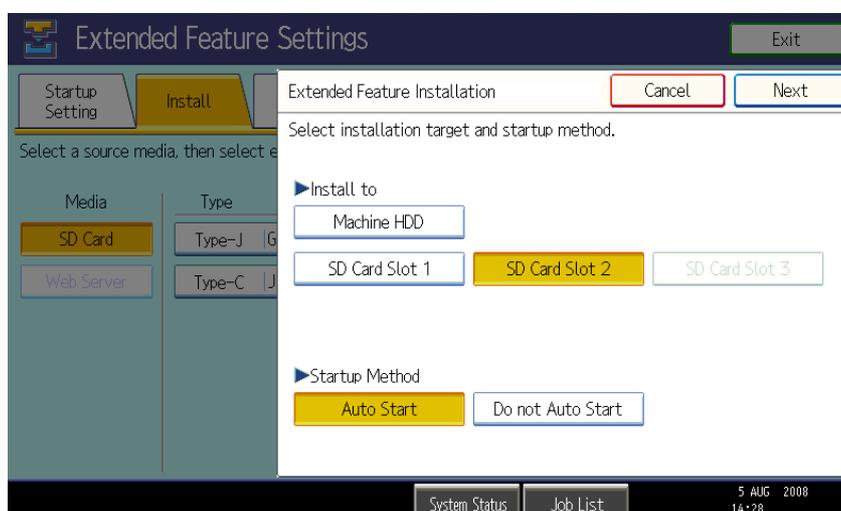
9. Next, select "Extended Feature Settings".



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



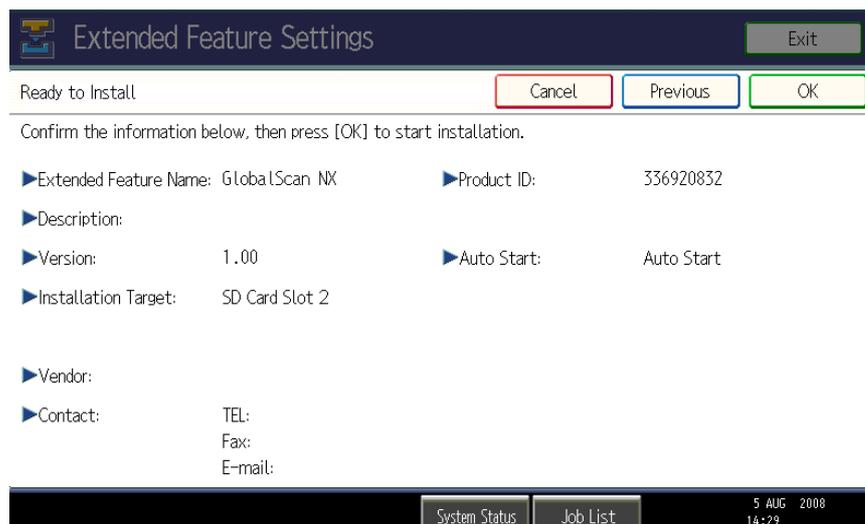
11. Select GlobalScan NX, and select the service slot (the actual slot will vary depending on the machine) and "Auto Start". By selecting "Auto Start", the GlobalScan NX service will automatically start-up after completing the activation process and rebooting the machine. Press "Next" to continue this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



**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.

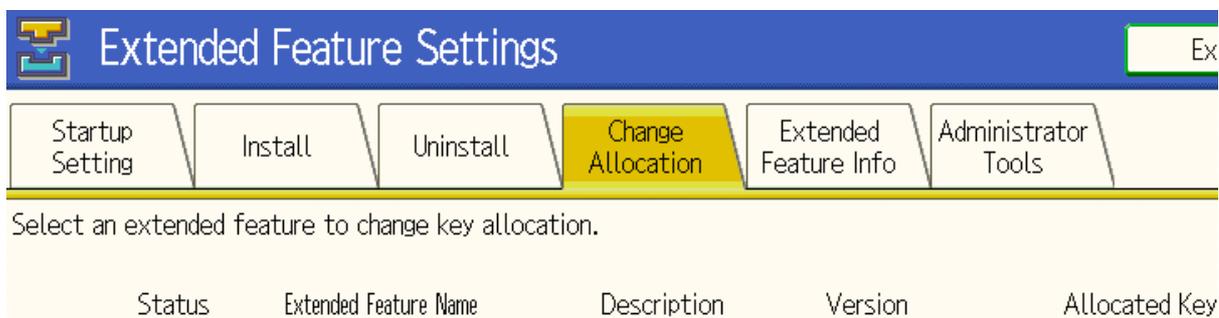


**Note**

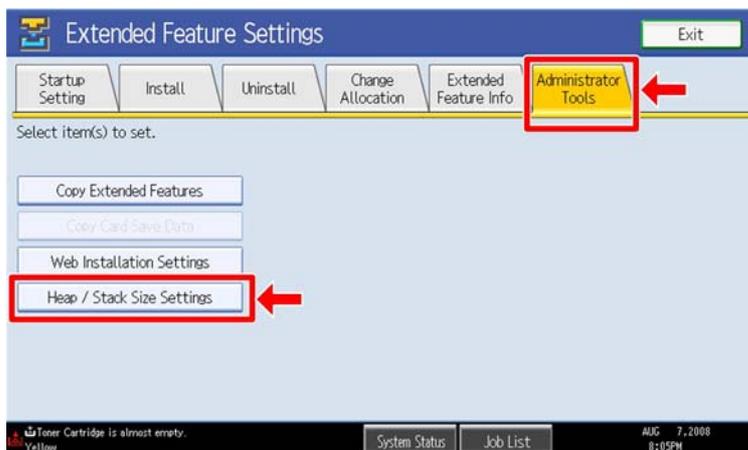
- If the displayed SDK application is not what you want to install, verify that the contents of the VM card are correct and retry this installation.

13. Press "OK" to complete this installation.

14. Java VM applications use the "Other Functions" key by default. If the user wants re-assign the key used to access GlobalScan NX, please use the "Change Allocation" tab, located on the "Extended Feature Settings" screen.

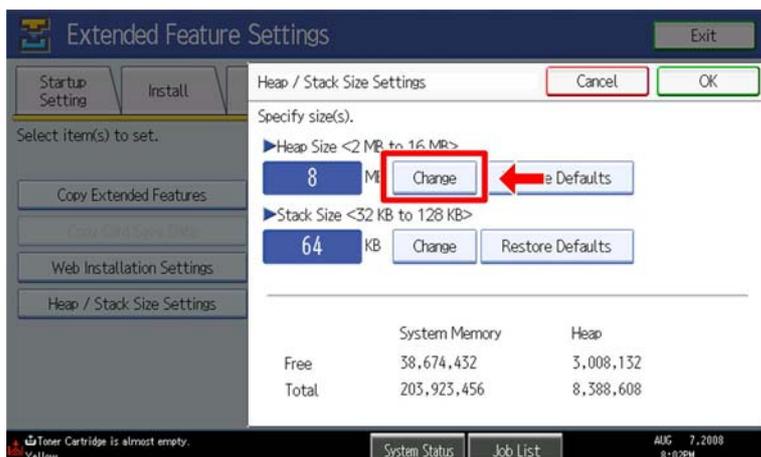


15. Press the "Administrator Tools" tab, and then press the "Heap/ Stack Size Settings" button.



gl\_i116

16. Press the "Change" button.



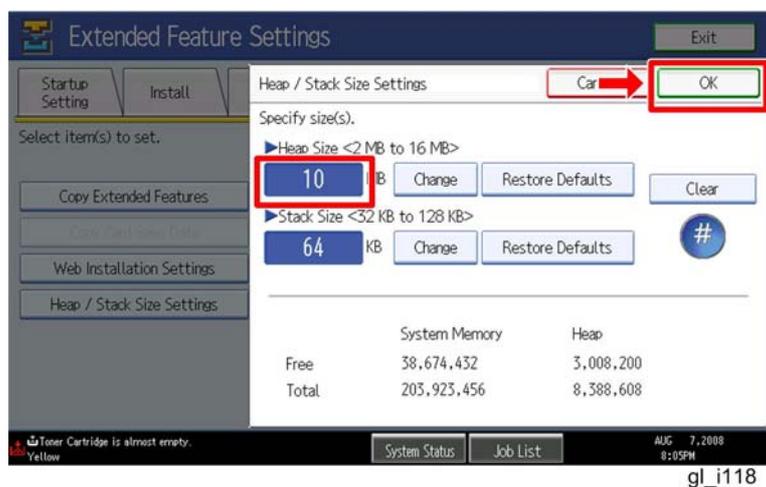
gl\_i117

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.

**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.

**Note**

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 C3300** Web Image Monitor

### Extended Feature Info

[Back](#)

1/1

Total Applications: 2

Extended Feature Name	Priority	Type	Status	Description
GlobalScan NX		J	Starting Up	
JavaTM Platform		C	Starting Up	Extended Feature(JavaTM Platform)

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

**RICOH Aficio MP C3300** Web Image Monitor

### Extended Feature Info

[Back](#)

- Extended Feature Name : GlobalScan NX
- 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.

**RICOH** Aficio MP C3300 Web Image Monitor

Home Document Server Printer: Print Jobs Job Address Book Configuration

**Home** English

Status Device Info Counter Inquiry

- Device Name : RICOH Aficio MP C3300
- Location :
- Comment :
- Host Name : RNPF821B

Reset Device Reset Printer Job



Status

**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

**Administrator Tools**

Apply Back

Web Installation Settings

- Web Installation Settings :  On  Off
- HTTP Proxy :  On  Off
- Server :
- Port :
- User Name :
- Password :
- URL :

Heap / Stack Size Settings

- Heap Size :  MB (2 - 16 MB)
- Stack Size :  KB (32 - 64 KB)
- Memory Status

**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.
2. 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".

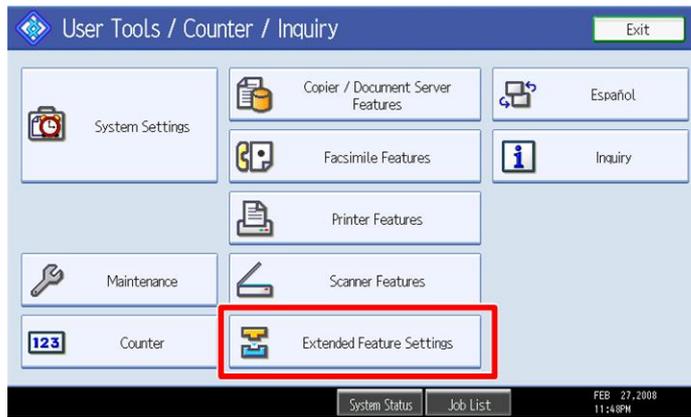
5. Turn off and on the target machine.
6. Ask a machine administrator to check if the version of the GlobalScan NX SDK Application is updated and if the installed GlobalScan NX SDK Application is "Starting Up".

---

### 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).



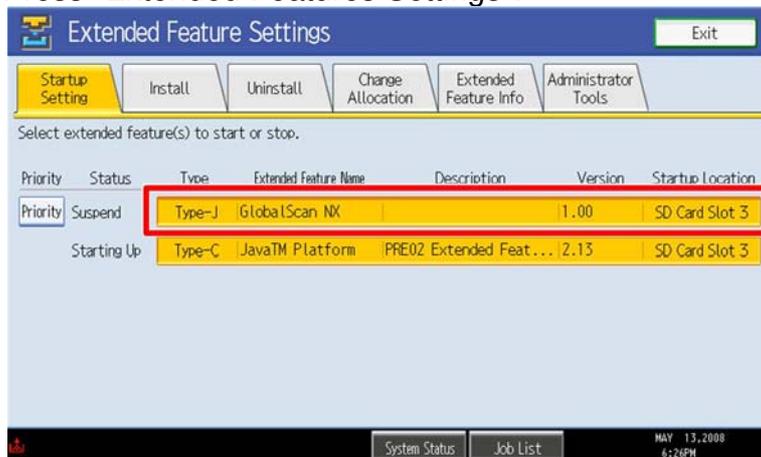
cav2i063

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



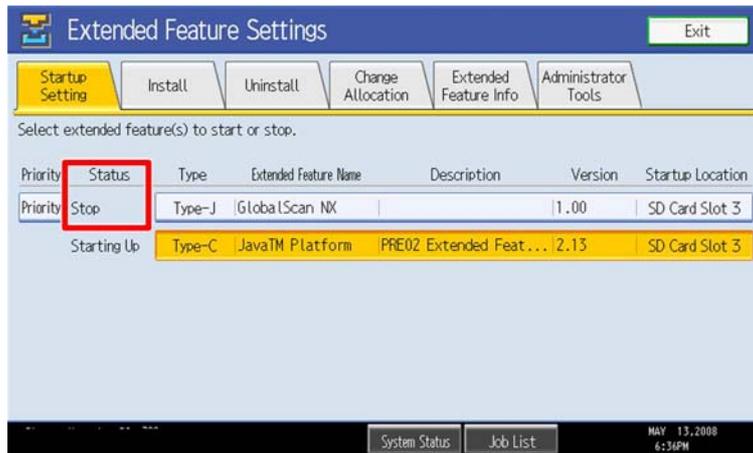
cav2i064

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



cav2i093

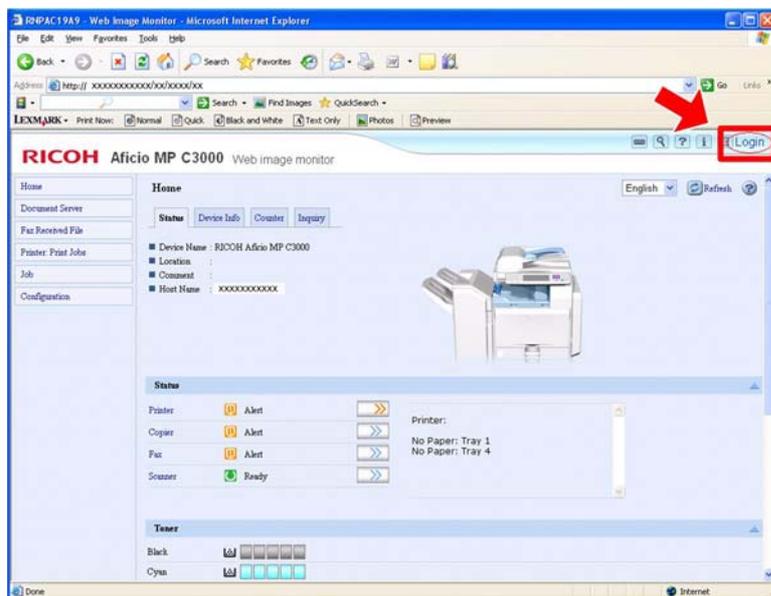
7. Press the GlobalScan NX SDK application bar to stop the application.



cav2i094

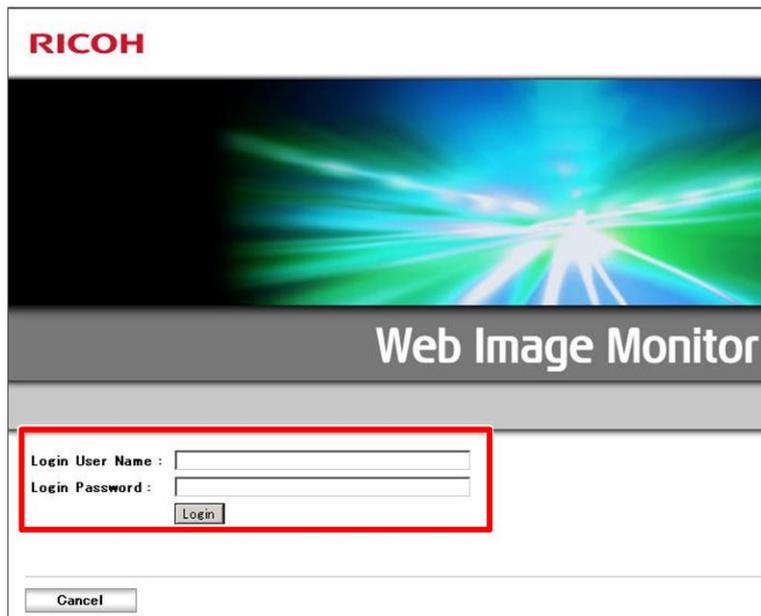
- "Stop" is displayed in the Status column and the GlobalScan NX SDK application bar turns white when the GlobalScan NX SDK application is stopped.

To stop a GlobalScan NX SDK application with Web Image Monitor



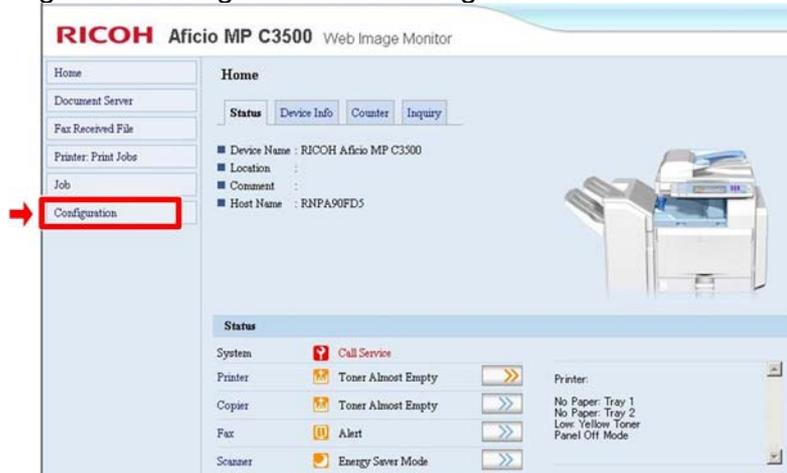
cav2i052

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



cav2i088

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



cav2i089

4. Click "Configuration".



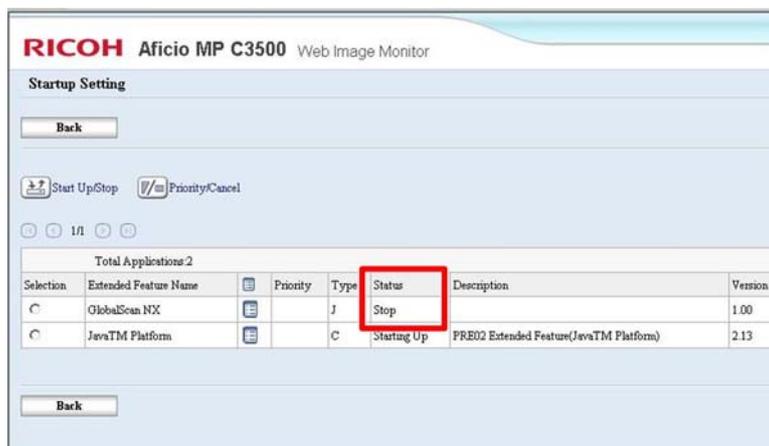
cav2i090

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



cav2i091

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



cav2i092

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