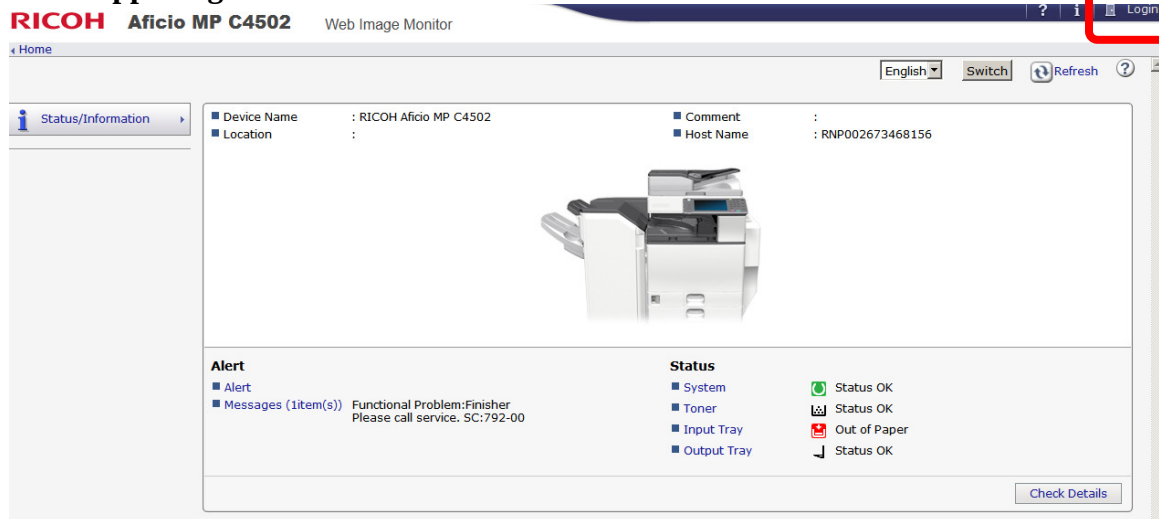


How to Configure the copier for Windows Authentication

This document will provide a brief overview of the steps necessary to configure the copier for Windows Authentication, *plus the SP 5420 "Gotcha"* This Document was created June 18th, 2012 by Steve Sanderson and Darrell Higbee with honorable mention for Dan Solorzano. The Machine used for the screen shots was an MP C4502 the Server was TSTAZ in Tempe Arizona.

1.) Launch a web browser and type in the ip address of the machine. Click on login in the upper right corner.



2.) Type in the user name (by default lower case admin) and password, which by default there is null (fancy word for leave blank) and click the login button.

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Login User Name : admin

Login Password :

Login

Cancel

3.) Select “Device Management” and then “Configurations”

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Home English Switch Refresh ?

Device Name : RICOH Aficio MP C4502 Comment :
Host Name : RNP002673468156

Device Management Configuration
Address Book
Reset Printer Job
Reset the Machine
Device Home Management

Print Job/Stored File

Convenient Links

Alert
■ Alert
■ Messages (1item(s)) Functional Problem:Finisher
Please call service. SC:792-00

Status
■ System Status OK
■ Toner Status OK
■ Input Tray Out of Paper
■ Output Tray Status OK

Check Details

4.) Select Administrator Authentication Management Configuration

Back

Device Settings

- System
- Function Key Allocation/Function Priority
- Paper
- Date/Time
- Timer
- Logs
- Download Logs
- E-mail
- Auto E-mail Notification
- On-demand E-mail Notification
- File Transfer
- User Authentication Management
- **Administrator Authentication Management**
- Program/Change Administrator
- Print Volume Use Limitation
- LDAP Server
- Firmware Update
- Kerberos Authentication
- Device Setting Information: Import Setting (Server)
- Import Test
- Eco-friendly Counter Period/Administrator Message
- Compulsory Security Stamp

Interface

- Interface Settings

Network

- IPv4
- IPv6
- SMB
- SNMP
- SNMPv3
- SSDP
- Bonjour
- System Log

Security

- Network Security
- Access Control
- IPP Authentication
- SSL/TLS
- ssh
- Site Certificate
- Device Certificate
- S/MIME
- IPsec
- User Lockout Policy
- IEEE 802.1X

Printer

- Basic Settings
- Unauthorized Copy Prevention
- Toner Management (SC)

@Remote

5.) Select User Authentication and check Administrator tools. You may not need to totally configure as shown below, click OK when finished.

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Home

Administrator Authentication Management

OK Cancel

■ User Administrator Authentication	: ☒ On ☐ Off	
Available Settings for User Administrator	: ☒ Administrator Tools	
■ Machine Administrator Authentication	: ☒ On ☐ Off	
Available Settings for Machine Administrator	: ☐ General Features ☐ Tray Paper Settings ☐ Timer Settings	
	☐ Interface ☐ File Transfer ☒ Administrator Tools	
	☐ Maintenance	
■ Network Administrator Authentication	: ☒ On ☐ Off	
Available Settings for Network Administrator	: ☐ File Transfer ☐ Interface ☒ Administrator Tools	
■ File Administrator Authentication	: ☒ On ☐ Off	
Available Settings for File Administrator	: ☒ Administrator Tools	

OK Cancel

6.) Select User Authentication Management.

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Home

Configuration

Back

Device Settings

- System
- Function Key Allocation/Function Priority
- Paper
- Date/Time
- Timer
- Logs
- Download Logs
- E-mail
- Auto E-mail Notification
- On-demand E-mail Notification
- File Transfer
- User Authentication Management**
 - Administrator Authentication Management
 - Program/Change Administrator
 - Print Volume Use Limitation
 - LDAP Server
 - Firmware Update
 - Kerberos Authentication
 - Device Setting Information: Import Setting (Server)

Interface

- Interface Settings

Network

- IPv4
- IPv6
- SMB
- SNMP
- SNMPv3
- SSDP
- Bonjour
- System Log

Security

- Network Security
- Access Control
- IPP Authentication
- SSL/TLS
- ssh

7.) From the drop down select Windows Authentication.

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Home

User Authentication Management

OK Cancel

User Authentication Management Windows Authentication

8.) Scroll down the web page to the image below. You will not need SSL or Kerberos Authentication for this exercise so make sure both are set to off. Key in the Domain Name for the network, in this example TSTAZ.

Windows Authentication Settings

SSL : ☐ On ☒ Off

Kerberos Authentication : ☐ On ☒ Off

Domain Name : TSTAZ

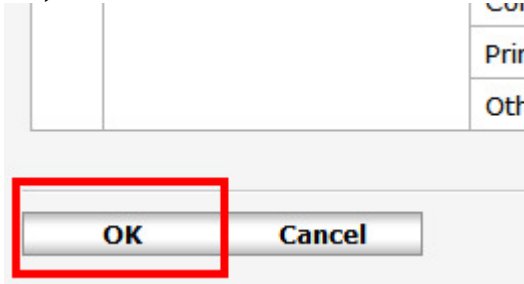
Realm Name : 1:Not Programmed

When [Not Programmed] is selected, user authentication will be set to inactive.

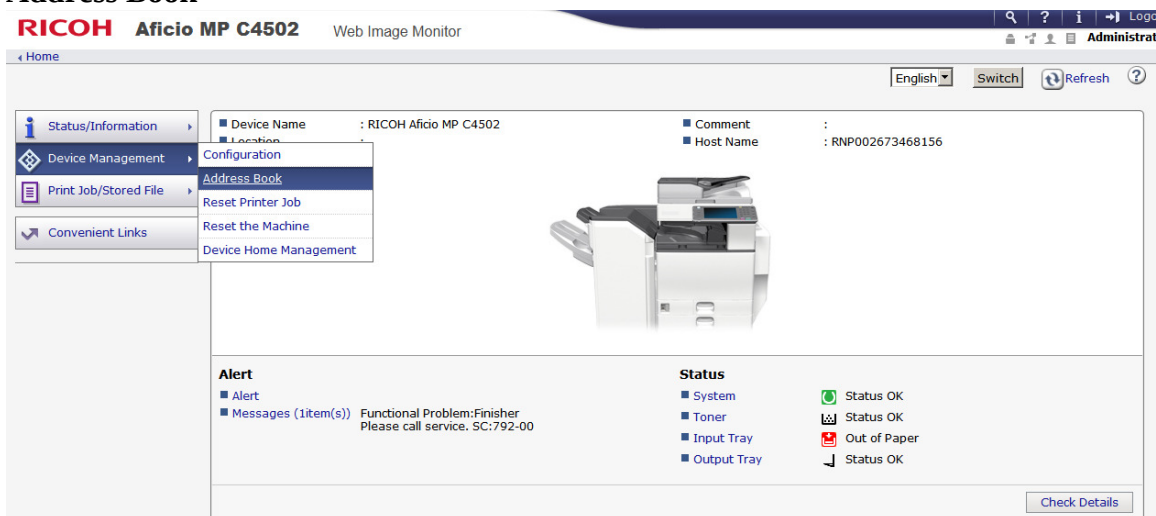
9.) Uncheck all the settings for the default group, enter the group names previously created on the server and check a few features as shown below. In this exercise we used a machine with color capability. You can modify the settings to match your machine we recommend you have scanner on one group and no scanner on your second group for the demonstration of address book population in a later exercise.

Group Settings for Windows Authentication			
No.	Group Name		Available Functions
1	*Default Group	Copier	☐ Black & White ☐ Single Color ☐ Two-color ☐ Full Color
		Color Copy Mode Limitation	☒ Limit to Auto Color Selection ☒ Full Color/Auto Color Selection
		Printer	☐ Black & White ☐ Color
		Other Function(s)	☐ Document Server ☐ Fax ☐ Scanner ☐ Browser
2	billing	Copier	☒ Black & White ☐ Single Color ☐ Two-color ☐ Full Color
		Color Copy Mode Limitation	☒ Limit to Auto Color Selection ☒ Full Color/Auto Color Selection
		Printer	☐ Black & White ☐ Color
		Other Function(s)	☐ Document Server ☒ Fax ☒ Scanner ☐ Browser
3	Color	Copier	☒ Black & White ☒ Single Color ☒ Two-color ☒ Full Color
		Color Copy Mode Limitation	☒ Limit to Auto Color Selection ☐ Full Color/Auto Color Selection
		Printer	☒ Black & White ☒ Color
		Other Function(s)	☒ Document Server ☐ Fax ☐ Scanner ☒ Browser
4		Copier	☐ Black & White ☐ Single Color ☐ Two-color ☐ Full Color
		Color Copy Mode Limitation	☒ Limit to Auto Color Selection ☒ Full Color/Auto Color Selection
		Printer	☐ Black & White ☐ Color

10.) Scroll to the bottom and click OK.



11.) In the next section we are going to be creating a default profile to assign to new registered users. Navigate back to the “home page” select Device Management and Address Book



12.) On the MP C4502 there are two tabs for “Add User” Select the Manual Input and click Add User.



13.) Configure as shown below name and key display Default and check folder Authentication “Use Auth. Info at Login”

Add User

OK Save and Add Another Cancel

■ Registration No. : 00001

■ Name : Default

■ Key Display : Default

Title

■ Title 1 : None

■ Title 2 : None

■ Title 3 : None

■ Add to Freq. : ☒ On ☐ Off

Authentication Information

■ Authentication Info at Login

Login User Name :

Login Password : Change

■ SMTP Authentication : ☐ Use Auth. Info at Login ☐ Specify Other Auth. Info below: ☒ Do not Specify

Login User Name :

Login Password : Change

■ Folder Authentication : ☒ Use Auth. Info at Login ☐ Specify Other Auth. Info below: ☐ Do not Specify

Login User Name :

Login Password : Change

■ LDAP Authentication : ☐ Use Auth. Info at Login ☐ Specify Other Auth. Info below: ☒ Do not Specify

Login User Name :

Login Password : Change

■ Available Functions

Copier : ☐ Full Color ☐ Two-color ☐ Single Color ☐ Black & White

Color Copy Mode Limitation : ☒ Limit to Auto Color Selection ☐ Full Color / Auto Color Selection

Printer : ☐ Color ☐ Black & White

Other functions : ☐ Document Server ☐ Facsimile ☐ Scanner ☐ Browser

14.) Scroll down and key in the Path for a shared folder that your users would have access to, then click OK

Folder

■ Protocol : SMB

■ Port No. : 21

■ Server Name :

■ Path : \\Computer_Name\Shared_Folder

Add to Group

■ Details of Group : Change

OK Save and Add Another Cancel

15.) Once back at the address book, notice the registration number of 1, click Data Carry-over Setting for Address Book Auto-Program

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Home

Address List (Display All Items)

Back

Wizard Method Manual Input

Add User Change Delete Add Group **Data Carry-over Setting for Address Book Auto-program** Maintenance

Number of Registered : User(s)1 Group(s)0 Switch to Display Specified No. of Items

Type	Registration No.	Name	Freq.	Title 1	Title 2	Title 3	Fax Destination	E-mail Address	Folder
Person	00001	Default	On	---	---	---	---	---	\\Computer_Name\Shared_Folder

Back

16.) Select On, make sure the correct Registration No. (you want to use as the default) is in the box and click OK.

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Home

Data Carry-over Setting for Address Book Auto-program

OK Cancel

■ Carry-over Data from a Programmed Address Book : ☒ On ☐ Off

■ Registration No. : 1

OK Cancel

17.) There is a “gotcha” regarding User Authentication settings enabled such as Basic, or as in this case Windows, and as you will see later LDAP. Specifically SP 5420,(SSP 5401 on older machines). See the screen shot below. *Set to 1 to allow access to that feature independent of what was granted in user tools or WIM.*

SP Mode(Service)		Open All	Close All	COPY Window	SP Direct	X-XXX-XXX	Exit
5420 ▼	User Authentication			Group ▲	COPY : SP-5-420-001		
1	Copy			Page ▲	User Authentication		
2	Color Security Setting			Line ▲	Copy		
11	DocumentServer			Line ▲			
21	Fax			Line ▼	0		
31	Scanner			Page ▼	Initial 0		
41	Printer			Group ▼			
51	SDK1						
61	SDK2						
71	SDK3						
81	Browser						
Last Sp Login JUN 13,2012 5:49PM				JUN 13,2012 6:26PM			

Recap:

We have now completed the exercise. If you login with the user credentials for the domain users (you may not need the domain name in front of the user name but you could add this for demonstration purposes) TSTAZ\S1, TSTAZ\S2 and TSTAZ\S3(in this example we used TSTAZ you would need to use the correct domain for whichever network you are on. You will notice that S1 and S2 functions match with the groups that they were assigned to and that S3 has access to all functions from both groups. You should now be able to manage and control functions of the machine using Windows Authentication. The login credentials for the users are controlled from the Active directory server and will update as the users credentials change. You will also notice that each user’s email address will populate into the address book as they login. In addition you will notice that the folder authentication user will also populate if that user does not have rights to the folder they will not have access. When using Windows Authentication each user will only be able to see their own email accounts and folder paths that they program. This provides an extra layer of security for the customer and the machine and reduces end user management at the machine. The password management is made easier for the customer because it is the current password they use on their network and will update as the password changes. Hopefully you found value from this exercise please feel free to ask any question of your instructor as needed. Thank you for your time and effort.