

# Configuring Color Access on the WorkCentre<sup>®</sup> 7120 Using Microsoft Active Directory<sup>®</sup> Customer Tip



dc10cc0468

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## Overview

This document describes how to limit access to color copying and printing on the WorkCentre 7120 using Active Directory (AD). The following process allows the WorkCentre 7120 to be set up so that users have unlimited access to black and white copy and print functions. However, if a user wants to copy they must authenticate at the device. Additionally, the user's print driver can be configured to force authentication when printing color documents.

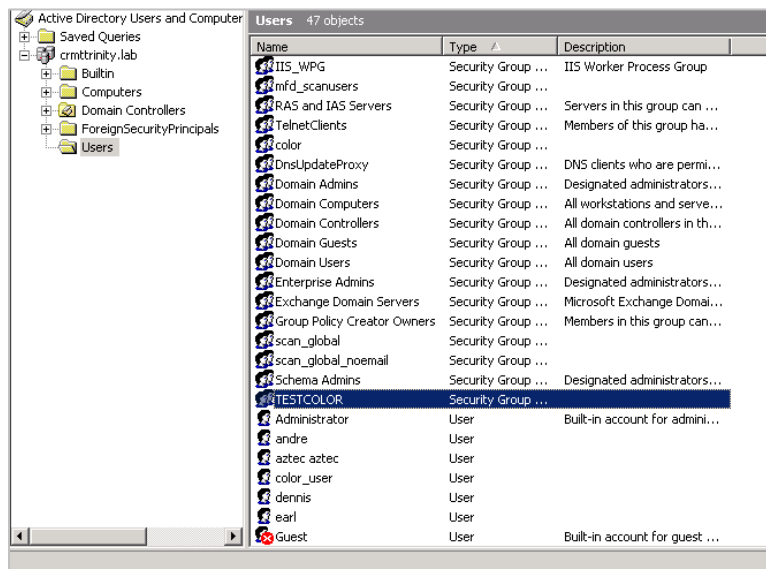
## Assumptions

- LDAP and Network Authentication must be configured and working correctly.

## Creating Color Access Group within Active Directory

This procedure describes how to create an Active Directory color access group to be used to restrict color copying and printing on the WorkCentre 7120.

1. Click **Start**, point to **Programs**, point to **Administrative Tools**, and then click **Active Directory Users and Computers**.
2. In Active Directory Users and Computers window, expand the domain folder.
3. In the console tree, right-click the Users folder in which you want to add a new group.
4. Click **New**, and then click **Group**.
5. Type the name of the new group. Use a name that you can easily associate with the role or service for which you are creating. In our example we will be using the group name of **TESTCOLOR**.



- To add users and/or groups to the newly created color access group right click on the group and select properties.
- Select the **Members** tab and click the **Add** button to add members to the group.
- Click **Finish**.

## To Enable Copy Color Access Control at the Device

This process will restrict a user from copying in color unless they are authorized to do so via the AD group.

- At the device press the **Login/Out** button and logon with the Administrator username and password (factory default username is admin; passcode is 1111).
- Press the **Machine Status** button.



- Select the **Tools** tab, and then **Authentication/Security Settings** on the left hand side of the screen.
- Within the Group section select **Authentication Group**.
- Within the Features section select **Access Control**.
- Press the **Features Access** button and select **Color Copying**.
- Press the **Change Settings** button at the bottom right of the screen.
- Select the **Lock** button and press **Save**.
- Select the **Machine Status** button and select the **Tools** tab.
- At the Tools tab, within the Group section select **Authentication Group**.
- Select **Login Type** features
- Select **Login to Remote Accounts** and press **Save**.
- Read the Change Login Type screen message and select **Yes** to Accept the changes or **No** to decline the changes just made. If **Yes** was selected continue to step 14.
- Select the **Login/Out** button to logout, which will cause the device to reboot.

**i** The steps beyond this point take place within the product's web interface and will require a number of product reboots.

- Open your favorite web browser and enter the device's IP address.
- On the device's web page click on the **Properties** tab. (You may be prompted for the administrator username and password. factory default username is admin; passcode is 1111)
- Select **Security** → **Authentication Configuration**

**Authentication Configuration > Step 1 of 2**

**Authentication Configuration**

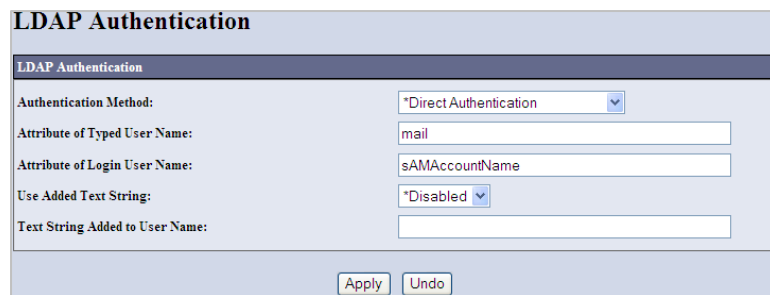
Login Type:	No Login Required
Print Stored File from Folder:	No Login Required
Folder to PC / Server:	Login to Local Accounts
Non-account Print:	*Login to Remote Accounts
Guest User:	Xerox Secure Access
Guest Passcode:	<input type="checkbox"/> Enabled
	*Off
	.....

18. Select **Login to Remote Accounts** in the **Login Type** drop-down menu.
19. Select **Apply** and then **Reboot Machine**.
20. Once the device comes back up Select **Security** → **Remote Authentication Servers** → **Authentication System**.

21. Select **LDAP** in the **Authentication System** drop-down menu.
22. Select **Apply** and then **Reboot Machine**.
23. Once the device comes back up select **Connectivity** → **Protocols** → **LDAP** → **LDAP Server**.

24. Enter the **IP Address** in the **IP Address** field.
25. Enter the **Backup IP Address**, if available.
26. Select **Microsoft Active Directory** from the **LDAP Server** drop-down menu.
27. In the **Search Directory Root** field enter the root directory of the Active Directory Server. Using Figure 1 as an example the syntax would be: **DC=crmtrinity,DC=lab**
28. Select the **Remotely Authenticated User** radio button.
29. Enter the **Login Name** of the Active Directory Server. You must use the Active Directory Server name in the Login Name. In our example the syntax is **crmtrinity/Administrator**
30. Enter the **Password** of the Login Name user. Re-enter the password in the Retype Password field.
31. Select **Apply** and then **Reboot Machine**.
32. Once the device comes back up select **Connectivity** → **Protocols** → **LDAP** → **LDAP Authentication**.

33. Select **Direct Authentication** from the **Authentication Method** pull-down menu.

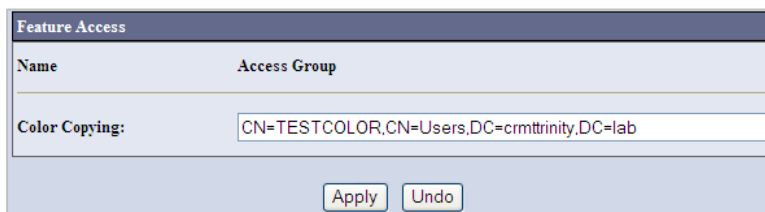


The image shows the 'LDAP Authentication' configuration window. It has a title bar 'LDAP Authentication' and a sub-header 'LDAP Authentication'. The configuration includes: 'Authentication Method' set to '\*Direct Authentication' (dropdown), 'Attribute of Typed User Name' set to 'mail' (text input), 'Attribute of Login User Name' set to 'sAMAccountName' (text input), 'Use Added Text String' set to '\*Disabled' (dropdown), and 'Text String Added to User Name' (empty text input). At the bottom are 'Apply' and 'Undo' buttons.

34. Select **Apply** and then **Reboot Machine**.

35. After the reboot select **Connectivity** → **Protocols** → **LDAP** → **LDAP Authorization Access**

36. In the **Feature Access – Color Copying** field enter the correct syntax for the Color Access Group which must be a fully qualified string. Using Figure 1 as an example the syntax would be **CN=TESTCOLOR,CN=Users,DC=crmttrinity,DC=lab**



The image shows the 'Feature Access' configuration window. It has a title bar 'Feature Access' and a sub-header 'Feature Access'. The configuration includes: 'Name' (empty text input) and 'Access Group' (empty text input). Below this is a 'Color Copying:' field with the text 'CN=TESTCOLOR,CN=Users,DC=crmttrinity,DC=lab' entered. At the bottom are 'Apply' and 'Undo' buttons.

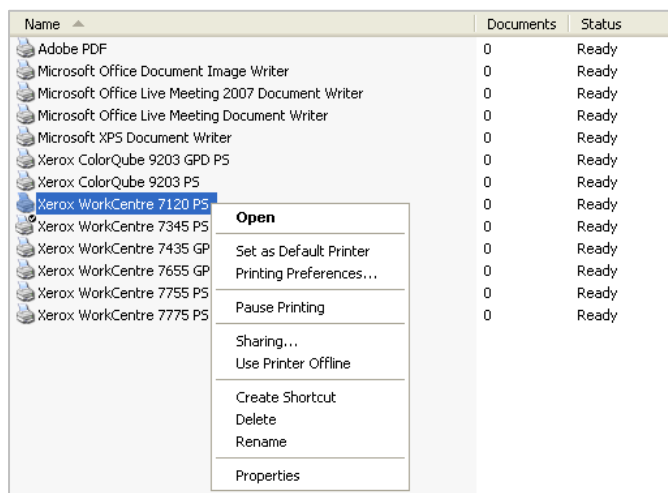
37. Click **Apply**

**Note:** With these steps completed accurately a user walking up to the device will be able to copy in black & white by default. If the user chooses to make a color copy they will be asked for their **UserID** and **Passcode**. After attempting to authenticate an unauthorized user will need to press the **Cancel** button bring them back to the **Services** screen.

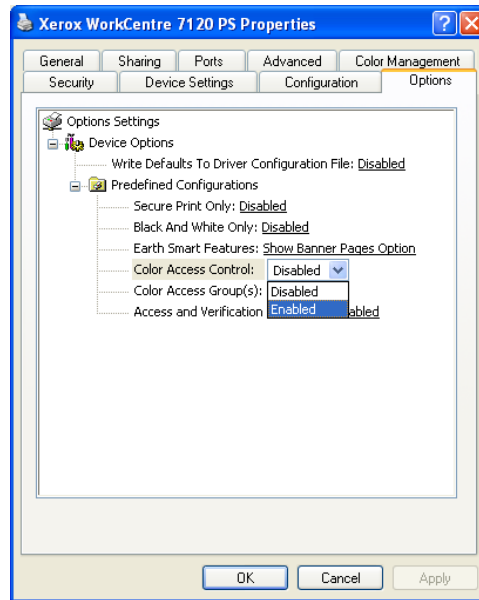
## To Enable Print Color Access Control

This process will restrict a user from printing in color unless they are authorized to do so via the AD group.

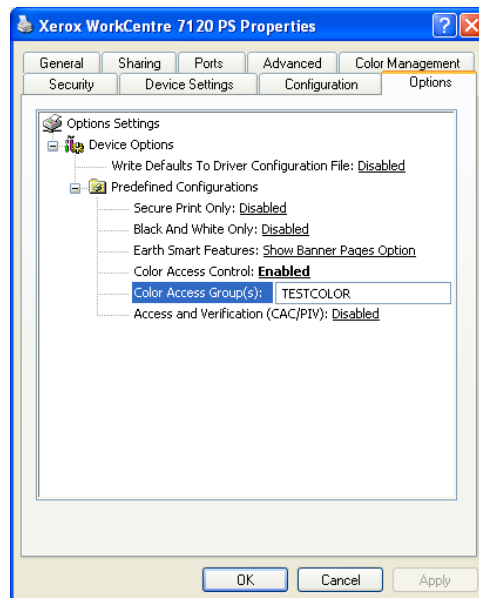
1. Within the print server right click on the desired printer and choose **Properties**



2. Select the **Options** tab.



3. Click the **Predefined Configurations** folder.
4. Click on the **Color Access Control** field and select **Enable**.
5. Click the **Color Access Group** field and enter the group name you created on page one.



6. Click **Apply** and **OK**.

**Note:** On the client side, if the user that installs the print driver is apart of the group given permission to print in color the **Output Color** option within the driver will be selectable between Color and Black and White. If the user does not have permission to print in color the **Output Color** option within the driver will list Black and White and is not selectable.

## Additional Information

You can reach Xerox Customer Support at <http://www.xerox.com> or by calling Xerox Support in your country.

Xerox Customer Support welcomes feedback on all documentation - send feedback via e-mail to: [USA.DSSC.Doc.Feedback@xerox.com](mailto:USA.DSSC.Doc.Feedback@xerox.com).

Other Tips about Xerox multifunction devices are available at the following URL: <http://www.office.xerox.com/support/dctips/dctips.html>.

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