# Setting up your Infoprint Manager Server to use Resources on a Different Windows System

Back to Administrator procedures

Sometimes, users choose to store printing resources (such as pagedefs, formdefs, and fonts) on systems other than the one that their Infoprint Manager server runs on. If you choose that setup, you must first make sure that Infoprint Manager has access to the resources, then tell Infoprint Manager where the resources are located. Use the following procedures to complete these tasks.

- 1. "Giving Infoprint Manager access to remote resources"
- "Telling Infoprint Manager where your Remote Resources are Located" on page 22

# Giving Infoprint Manager access to remote resources

Follow one of the procedures below to set up access to remote resources.

- If Infoprint Manager and the other system are running on Windows NT, refer to "Using Windows NT".
- If Infoprint Manager and the other system are running on Windows 2000, refer to "Using Windows 2000" on page 10.
- **Note:** Both of your systems must be running on the same operating system. You cannot mix Windows NT and Windows 2000 systems in this environment. The systems should also operate in the same domain.

### Using Windows NT

- 1. Set up a domain user account that your Infoprint Manager server will run under.
  - a. Log on to the system that your Infoprint Manager server runs on as a user who is a member of the Domain Administrators group.
  - b. Click the Windows Start button and select Programs -> Administrative Tools (Common) -> User Manager for Domains.
    - Note: This user account must be a domain account, not a local user account. Be sure you create the account with User Manager for Domains, not the User Manager for the local system. If User Manager for Domains does not appear in your Start menu, you must create this user on a different system in the domain that your Infoprint Manager server operates in, such as the Primary Domain

Controller (PDC).



c. In the User Manager window, select User -> New User.



- d. In the New User dialog, do the following:
  - Type a name for this user account.
  - Type a password in both of the password fields.
  - Clear all of the check boxes, then select **Password never expires** (so you don't have to change the password and update all of your servers on a regular basis).
  - Click Groups.

New User						×
<u>U</u> sername:	Infoprint					Add
Full <u>N</u> ame:						Cancel
Description:						<u>H</u> elp
<u>P</u> assword:	Xaladak					
<u>C</u> onfirm Password:	kołości					
User <u>M</u> ust (	Change Passv	vord at Next Lo	gon			
🗖 U <u>s</u> er Canno	ot Change Pas	sword				
Pass <u>w</u> ord N	Never Expires					
C Account Dis	sa <u>b</u> led					
	T.			-0		
Groups	ચ્ર≮ P <u>r</u> ofile	H <u>o</u> urs	≞⇒L® Logon To	Account	-39 Djalin	

- e. In the Group Memberships dialog:
  - 1) Find **Domain Admins** in the **Not member of** list and click to select it.

Group Memberships			×
User: Infoprint			OK ancel Help
<u>M</u> ember of:	<u>N</u> ot n	nember of:	
Domain Users	Add  Remove ->	Domain Admins Domain Guests Guests Print Operators Replicator	
Set Primary Group: Do	main Users		

2) Click <- Add.

 Select Domain Admins in the Member of list and click Set to make Domain Admins this user's primary group.

Group Memberships			×
User: Infoprint		_	OK Cancel Help
Member of:		t member of:	
Carl Domain Admins	<- Add	<ul> <li>Backup Operator</li> <li>Domain Guests</li> <li>Guests</li> </ul>	
	Bemove->	Print Operators Replicator	•
Set Primary Group: Dom	ain Users		

- 4) Click OK.
- f. In the New User dialog, click Add to create this user.
- g. Click Cancel to dismiss the dialog.
- h. Verify that the user you just created appears in the list of users in the User Manager window, then close it.
- 2. Grant the appropriate user rights to the new domain user on the system that your Infoprint Manager server runs on.
  - a. If you did not perform step one on the system that your Infoprint Manager server runs on, log on to it as a user who is a member of the Administrators group.
  - b. Click the Windows Start button and select Programs -> Administrative Tools -> User Manager or Programs -> Administrative Tools -> User Manager for Domains (either one will work this time).
  - c. In the User Manager window, select Policies -> User Rights.



- d. In the User Rights Policy dialog:
  - Select the Show Advanced User Rights check box.
  - Select Act as part of the operating system in the Right drop-down list.
  - Click Add.

User Rights Policy	×
Computer: JS57963	ОК
Righ <u>t</u> : Act as part of the operating system	Cancel
<u>G</u> rant To:	<u>H</u> elp
	Add
	<u>R</u> emove
Show Advanced User Rights	

e. In the Add Users and Groups dialog, select the domain that your Infoprint Manager system operates in from the List names from drop-down list and click Show Users.

Add Users and Groups	×
List Names From: 😰 🗤	57963×
Names:	_
Administrators	Members can fully administer the compu
Authenticated Users	All authenticated users
🕰 Backup Operators	Members can bypass file security to bac
Everyone	All Users
<b>E</b> Guests	Users granted guest access to the comp
S INTERACTIVE	Users accessing this object locally
S-NETWORK	Users accessing this object remotely
Rever Users	Members can share directories and print 💌
Add Names:	now <u>U</u> sers <u>M</u> embers <u>S</u> earch
	<u>∧</u>
OK	Cancel <u>H</u> elp

- f. Find the domain user that you created in step 1 on page 1 in the **Names** box, and select it, then click **Add**. The domain user name will appear in the **Add Names** box.
- g. Click OK.

- h. Repeat from step d on page 4 for two other rights: Create permanent shared objects and Log on as a service.
- i. Click OK to close the User Rights Policy dialog.
- j. Close the User Manager window.
- 3. Set up the Infoprint Manager server to use the new user account.
  - a. Click the Windows Start button and select Programs -> IBM Infoprint Manager -> Management Console.
  - b. Stop the Infoprint Manager server by selecting File -> Stop Server.
    - **Note:** If you are not able to stop the server because you are not authorized for that action, check the Infoprint Manager Access Control List (ACL) for the **Shutdown** operation. Log off and log back on as a user who is on the ACL.
  - c. Select Edit --> Service Account/Domain.

Ϋ́Μ	anag	ement	Console	for Info	print M	lanager	Se
<u>F</u> ile	<u>E</u> dit	⊻iew	<u>O</u> ptions	<u>D</u> ebug	<u>H</u> elp		
B	<u>O</u> p <u>N</u> e <u>D</u> e	en w lete				Ctrl+O	* *
	Service Configuration Service Account/Domain						
	M∨ Mig	/S Dow grate W	nload Mar indows Pri	agement. inter to Inf	 ioprint		

d. Enter the name of the domain that the Infoprint Manager server is installed in and the user name and password from step 1 on page 1.

Service Account/Domain	?	x
Domain (blank = local):	PRINTERS	
User account:	Infoprint	
Password:	******	
OK Cancel	Help	

- e. Click OK.
- 4. On the machine that the AFP resources reside on, share the directory that the resources reside in so the domain user has access to it.
  - a. Log on to the system that your resources reside on as a user who is a member of the Administrators group.
  - b. Click the Windows Start button, and select Programs -> Windows NT Explorer.
  - c. Navigate to the directory that your resources are stored in.

d. Right-click that directory and select **Sharing** from the pop-up menu.

💐 Exploring - afpresou	rces	
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>T</u> ools	<u>H</u> elp	
All Folders		Contents
🗟 Desktop	-	Name
🖻 – 🚚 My Computer		
[ □	_	
	Euplore	· · ·
Cmvciair		
iomnpmnt	<u>u</u> pen	
	Browse with Paint Shop	Pro
H motes4bkp	Work with ID Workben	ch
	<u>F</u> ind	
	<u>Scan with Norton AntiV</u>	irus
🕀 🛄 Program Fil		
⊕ Bsm	5 <u>h</u> aring	
psminst	Send To	•
🖓 Recycled		
sdwork	Cu <u>t</u>	
🕂 🕀 🛄 Temp	<u>С</u> ору	

e. In the **Properties** dialog, select **Shared as** and type **Shared to Infoprint Manager** in the **Comment** text box.

afp resources Properties	? ×
General Sharing	
<ul> <li>○ Not Shared</li> <li>○ Shared As:</li> <li>Share Name: afp resources</li> <li>Comment: Shared to Infoprint Manager</li> <li>User Limit:</li> <li>○ Maximum Allowed</li> <li>○ Allow</li> <li>Users</li> </ul>	
OK Cancel	Apply

f. Click Permissions.

g. In the Access through Shared Permissions dialog, click Add.

Access Throug	h Share Permi	ssions		×
Access Throug <u>O</u> wner: <u>N</u> ame:	gh <u>S</u> hare:	afp resources		
🛞 Everyone			Full Control	
	Type of Access:	Full Control		•
OK I	Cancel	<u>A</u> dd	<u>R</u> emove	Help

- h. In the Add Users and Groups dialog:
  - 1) Select the appropriate domain in the List Names From drop-down box.
  - 2) Find **Domain Admins** in the **Names** box.
  - 3) Click Add.
  - 4) Select Full Control in the Type of Access drop-down list.

**Note:** You can add any other users or groups that you want at this point.

5) Click OK.

Add Users and Groups	×
List Names From: ADDINITEDS	
<u>N</u> ames.	
Contraction of the second seco	DEVT ReadWrite (Finshare)
Communication Admins	Designated administrators of the domain
💕 🖉 Domain Guests	All domain guests
🖉 👹 Domain Users	All domain users
<b>EXAMPRI</b>	Jon Mondragon Devleopment/Finance A
<b>DRVRTEAM</b>	Driver Development Team
ENDICOTT Change	ENDICOTT Change (Finshare)
CONTRead	ENDICOTT Read (Finshare)
Add Show Users	Members Search
A <u>d</u> d Names:	
PRINTERS\Domain Admins	4
	v.
Type of Access: Full Control	<b>-</b>
	Cancel Help
K	

- i. Click OK in the Access through Shared Permissions dialog.
- j. Click **OK** in the **Properties** dialog.
- k. Return to the Management Console on the system that Infoprint Manager is installed on and select File ->Start Server to restart the Infoprint Manager server.

# **Using Windows 2000**

- 1. Set up a domain user account that your Infoprint Manager server will run under.
  - a. Log on to the domain that your Infoprint Manager servers operate in as a domain administrator.
  - b. Click the Windows Start button and select Programs --> Administrative Tools --> Active Directory Users and Computers.
  - c. In the left pane of the Active Directory Users and Computers window, find the Users directory.

d. Right-click the Users directory and select **New -> User** from the pop-up menu.



e. In the first dialog of the New Object – User wizard, type a name for this user in the **Full name** and the **User logon name** fields.

Note: You do not have to fill in the other name fields.

New Object - Us	ser	×
🛃 o	reate in: ipm.penn.boulder.ibm.com/Users	
First name:	Initials:	
Last name:		
Full name:	Infoprint	
User logon na	ame:	
Infoprint	@ipm.penn.boulder.ibm.com	
User logon na	ame (pre-Windows 2000):	
IPM\	Infoprint	
	< Back Next > Cance	ı

- f. Click Next.
- g. In the second dialog of the New Object User wizard, enter a password for this user. Clear all of the check boxes, then select **Password never** expires (so you don't have to change the password and update all of your

servers on a regular basis).

Ne	w Object - User 🛛 🔀
	Create in: ipm.penn.boulder.ibm.com/Users
	Password:
	User must change password at next logon
	User cannot change password
	Password never expires
	C Account is disabled
_	< Back Next > Cancel

- h. Click Next to verify the settings for the user and complete the wizard.
- i. Once you have created the user, right-click the user in the right pane of the Active Directory Users and Computers window and select Add members to a group from the pop-up menu.

Users 22 objects			
Name	Туре		Description
Group Policy Group Policy Guest Ignatz P. User	Security Gri Security Gri User User	oup oup	Designated administrators Members in this group can Built-in account for guest .
<ul> <li>Infoprint</li> <li>ipserver</li> <li>IUSR_IPMDC</li> <li>IWAM_IPMDC</li> <li>krbtgt</li> <li>RAS and IAS</li> <li>Schema Admins</li> </ul>	User User User User Security Gr Security Gr	Copy Add Disat Rese Move Oper Send	/ members to a group ble Account et Password e h home page I mail

j. In the **Select Group** dialog, find and select the **Domain Administrators** (or **Domain Admins**) group. Click **OK** to add your user to the group.

Note: You can leave the Name field blank.

🖫 Select Group		?×
Look in: ipm.penn.boulder.ibm.com		7
Name	In Folder	<b></b>
📲 Domain Admins	ipm.penn.boulder.ibm.com/Users	
🕵 Domain Users 🔣	ipm.penn.boulder.ibm.com/Users	
🕵 Domain Guests	ipm.penn.boulder.ibm.com/Users	
🕵 Group Policy Creator Owners	ipm.penn.boulder.ibm.com/Users	
🕵 DnsUpdateProxy	ipm.penn.boulder.ibm.com/Users	
RAS and IAS Servers	iom nenn houlder ibm com/Users	<b>•</b>
Name:		
	OK	Cancel

- 2. Grant the appropriate user rights to the new domain user on the system that your Informit Manager server runs on.
  - a. Log on to the system as a user who is a member of the Domain Administrators group.
  - b. Click the Windows Start button and select Settings --> Control Panel.
  - c. In the Control Panel window, double-click the Administrative Tools icon.
  - d. In the Administrative Tools window, double-click the **Local Security Policy** icon.
  - e. In the right pane of the Local Security Settings window, double-click **Local policies**.

🖥 Local Security Settings		
Action View J ← → I 🛍 🔃 X 🛱 😰		
Tree	Name	Description
Security Settings	Account Policies	Password and
🗄 📑 Account Policies		Auditing, user
🗄 💼 Local Policies	Public Key Policies 😽	
🗄 💼 Public Key Policies	🐻 IP Security Policies on Local M	Internet Prote
🗄 🜏 IP Security Policies on		

f. Double-click User Rights Assignment in the right pane.

🖡 Local Security Settings		
j Action View j ← → E 💽 🔀 😰		
Tree	Name 🛆	Description
Security Settings	Audit Policy	Audit Policy
🗄 🗐 Account Policies	📖 User Rights Assignment	User rights assignments
🗄 🔂 Local Policies	📴 Security Options 🛛 🗟	Security Options
🗄 🗐 Public Key Policies		
🗄 🗐 IP Security Policies on		

g. In the list of user rights, select **Act as part of the operating system** and double click it.



h. In the Local Security Policy Setting dialog, click Add.

Local Secur	ity Policy Setting			? ×
Ţ	Act as part of the opera	iting system		
Assigned To	D	Local Policy Setting	Effective Policy Setting	
Add	R.			
lf domain-le	vel policy settings are de	fined, they override lo	ocal policy setting	S.
		ОК	Cance	1

i. In the **Select Users or Groups** dialog, click the arrow on the drop-down list box and select the domain that your Infoprint Manager servers exist in.

📾 Select Users or Groups		? ×
Look in: 🗊 ipm.penn.boulder.ibm.com		•
Name	In Folder	
<ul> <li>ipserver (ipserver@ipm.penn.boulder.ibm.com)</li> <li>Ignatz P. User (ipuser@ipm.penn.boulder.ibm.c</li> </ul>	ipm.penn.boulder.ibm.com/Users ipm.penn.boulder.ibm.com/Users	
Infoprint (Infoprint@ipm.penn.boulder.ibm.com)	ipm.penn.boulder.ibm.com/Users	
22 Domain Computers 22 Domain Controllers 23 Schema Admine	ipm.penn.boulder.ibm.com/Users ipm.penn.boulder.ibm.com/Users ipm.penn.boulder.ibm.com/Users	
Enterprise Admins	ipm.penn.boulder.ibm.com/Users	•
Add Check Names		
<< Type names separated by semicolons or choose fr	om list >>	
,	OK Cance	

- j. Find and select the domain user you created and click Add.
- k. Click OK in the Select Users or Groups dialog.
- I. Click OK in the Local Security Policy Setting dialog.
- m. Repeat from step g on page 15 for two other user rights: Create permanent shared objects and Log on as a service.
- 3. Set up the Infoprint Manager server to use the new user account.
  - a. Click the Windows Start button and select Programs -> IBM Infoprint Manager -> Management Console.
  - b. Stop the Infoprint Manager server by selecting File -> Stop Server.
    - **Note:** If you are not able to stop the server because you are not authorized for that action, check the Infoprint Manager Access Control List (ACL) for the **Shutdown** operation. Log off and log back on as a user who is on the access control list.

c. Select Edit --> Service Account/Domain.



d. Enter the name of the domain that the Infoprint Manager server is installed in and the user name and password from step 1 on page 1.

Service Account/Domain	? ×
Domain (blank = local): User account:	PRINTERS Infoprint
Password:	жники
OK Cancel	Help

- e. Click OK.
- 4. On the machine that the AFP resources reside on, share the directory that the resources reside in so the domain user has access to it.
  - a. Log on to the system that your resources reside on as a user who is a member of the Administrators group.
  - b. Open **Windows 2000 Explorer** and navigate to the directory that your resources are stored in.

c. Right-click the folder and select Properties from the pop-up menu.



d. In the **Properties** dialog, click the **Security** tab.

afpresources Properties	? ×
General   Web Sharing   Sharing   Security	
Name Everyone	Add Remove
Permissions: All	low Deny
Full Control Modify Read & Execute List Folder Contents Read Write	
Advanced Allow inheritable permissions from parent to pro object	opagate to this
OK Cancel	Apply

- e. If Domain Admins is not in the Name list, click Add.
- f. In the **Select Users, Computers, or Groups** dialog, choose the correct domain from the **Look in** drop-down list.

g. Select **Domain Admins** in the **Name** list and click **Add**. You might also want to add the local administrators group as well.

Select Users, Computers, or Groups	5	<u>? x</u>
Look in: 🗊 PRINTERS		•
Name	In Folder	
👧 Domain Admins	PSFNT	
🕵 Domain Guests	PSFNT	
🕵 Domain Users	PSFNT	
AFORD	PSFNT	
BHTERM	PSFNT	
BLL22A	PSFNT	
SANNONDALE	PSFNT	<b>_</b>
Add Check Names		
<< Type names separated by semicolons o	r choose from list >>	
1		
		OK Cancel

h. Click OK.

i. In the **Properties** dialog, make sure that **Full Control** is allowed for **Domain Admins** in the **Permissions** box.

afpresources Properties	? ×
General Web Sharing Sharing Security	
Name Domain Admins (PRINTERS\Domain Adn Everyone	Add Remove
Permissions: Allo	w Deny
Full Control       Image: Control         Modify       Image: Contents         Read       Image: Contents         Read       Image: Contents         Write       Image: Contents	
Advanced Allow inheritable permissions from parent to prop object	pagate to this
OK Cancel	Apply

**Note:** You may want change the access level for the **Everyone** group as well.

j. Click the **Sharing** tab.

k. Select **Share this folder**. Verify the name of the folder in the **Share name** field and type a descriptive comment in the **Comment** field.

afpresources Properties
General Web Sharing Sharing Security
You can share this folder among other users on your network. To enable sharing for this folder, click Share this folder.
O Do not share this folder
Share this folder
Share name: afpresources
Comment: Shared to Infoprint Manager
User limit:   Maximum allowed
C Allow Users
To set permissions for how users access this folder over the network, click Permissions.
To configure settings for Offline access to Caching this shared folder, click Caching.
OK Cancel Apply

- I. Click OK.
- m. Return to the Management Console on the system that Infoprint Manager is installed on and select File ->Start Server to restart the Infoprint Manager server.

# Telling Infoprint Manager where your Remote Resources are Located

Once you have made the resources available, you have to make sure the Infoprint Manager destinations that will be using them know where they are. Follow the steps below to complete this configuration.

- 1. On the system that Infoprint Manager runs on, map a network drive to the directory that your resources reside in.
  - a. Open Windows NT/2000 Explorer.

b. Select Tools --> Map Network Drive.

💐 Exploring - pddir					
<u>F</u> ile	<u>E</u> dit	⊻iew	<u>T</u> ools	<u>H</u> elp	
All Fo	lders		<u>F</u> ind		۲
÷		<u>M</u> ap <u>D</u> isco	Network Drive onnect Network Drive		
			<u>G</u> o te	D	

c. Specify the user and password to use.

#### Windows NT

- 1) In the Map Network Drive dialog,
  - a) In the **Drive** field, select a drive letter that you are not currently using.
  - b) In the Path field, type the Universal Naming Convention (UNC) name of the directory you shared on the system that your resources are stored on in this format: \\resourcesystem\sharename.

Map Network	( Drive	×
<u>D</u> rive:	⊡ X:	ок 💦
<u>P</u> ath:	\\resourceserver\sharename	Cancel
<u>C</u> onnect As:	Infoprint	<u>H</u> elp
	☑ <u>R</u> econnect at Logon	

- 2) Type the user that you created in step 1 on page 1 in the **Connect as** field, and select **Reconnect at logon**.
- 3) Click **OK**. A dialog will open and will ask you to enter the password for this user.
- 4) Type the password that you set for this user in step 1 on page 1, and click **OK**.

Windows 2000

1) In the **Map Network Drive** dialog, select a drive letter that you are not currently using from the drop-down menu in the **Drive** field.

Map Network Drive			×
	Windows and assig access th Specify t that you Drive: Folder:	s can help you connect to a shared network fold gn a drive letter to the connection so that you c he folder using My Computer. the drive letter for the connection and the folder want to connect to: X: X: Vresourcesystem\sharena  Browse Example: \\server\share Reconnect at logon Connect using a <u>different user name</u> . Create a shortcut to a <u>Web folder or FTP site</u> .	er an r
		< Back Finish Cancel	

- 2) In the Folder field, type the Universal Naming Convention (UNC) name of the directory you shared on the system that your resources are stored on server in this format: \\resourcesystem\sharename.
- 3) Select Reconnect at logon.
- 4) Click the Connect using a different user name link.
- 5) In the **Connect As** dialog, type the user name and password that you created in step 1 on page 1.

Connect As		×
By default, yo IPM\Administr user name and	u will connect to the network fo ator. To connect as another use d password below.	lder as er, enter their
User name:	Infoprint	Browse
Password:	****	
	ОК	Cancel

- 6) Click **OK** in the **Connect As** dialog.
- 7) Click Finish in the Map Network Drive dialog.
- 2. Start the Infoprint Administration GUI.

3. Select one of the printers that needs to access these resources and right-click it.

🛃 🔉 🔋 <u>É</u>					
👺 Main					
Queues					
☐ •• ♥☐ Logical De ↓ ·• ♥☐ Logical De ↓ ·• ♥☐ js5796 ↓ ·• ♥ Jobs	Create ► Copy Move Delete				
	<u>J</u> ob and Document Defaults → Logical Destinations				
	Check Status Enable Disable				
	Space Change Media				
Retained Jobs	Propenties				

4. Select **Properties** from the pop-up menu.

5. In the Properties notebook for this printer, click the AFP Resources tab.

PSF TCP/IP Printer Properties sample			
This notebook shows properties for the selected actual destination.			
Find criteria Field to find			
Configuration   Tuning   Job   Document   Capability   Customize   AFP Resources   AFP			
General Status Media/Bins/Trays Notification Load Balancing Output Appearance			
These are commonly used properties for the actual destination.			

6. Find the correct field for your situation. For example, if your directory only holds fonts, find the **Location of fonts** field; if it holds only overlays, find the **Location of overlays** field. However, if the directory holds a variety of

resources, find the Location of resources field.

General   Status   Media/Bins/Travs   Notifi	cation   Load Balancing   Output   Appeara
Configuration   Tuning   Job   Document	Capability Customize AFP Resources
These properties determine which AFP resou	urces are used by the actual destination.
Form definition	F1A10111
Medium overlay	
Location of form definitions	
Location of overlays	
Location of fonts	
Location of page segments	
Location of presentation object containers	
Location of resources	X:\afpresources

- 7. In the correct field, type the letter of the drive you mapped in step 1c on page 23 and the share name of the directory that contains the resources. For example: x:\afpresources.
- 8. Click OK to close the properties notebook and make the settings take effect.

Back to Administrator procedures