This describes how to set up AppleTalk Services on a single node IBM NAS Appliance.

Step 1

First objective is to go to Start/Settings/Control Panel/Add/Remove Programs/ Add Remove Windows Components.

🚡 Add/Remove Programs			
15	Currently installed programs:	Sort by: Name	•
Change or Remove Programs	CDP Open Transaction Manager		_
2	from your computer, click Change/Remove.	<u>C</u> hange/Re	move
Add New	m Director	Size	40.2MB
Programs	IBM UM Server Extensions 2.2	Size	61.1MB
Add/Dessau	Intel DMI 2.0 SP SDK v1.10 Intel(R) PRO Ethernet Adapter and Software	Size	608KB
Windows	🛃 Intel(R) PROSet II		
Components	Microsoft Server Appliance Kit Setup Wizard	Size	6.71MB
	🛃 Microsoft Windows Services for UNIX	Size	51.9MB
	🛃 Terminal Services Web Client	Size	310KB
	뤥 Tivoli Storage Manager Client	Size	18.3MB 💌
			Cl <u>o</u> se

Step 1a

Select Other Network File and Print Services

Windows Components Wizard			×
Windows Components You can add or remove compo	nents of Windo	ws 2000.	
To add or remove a componen part of the component will be in Details.	t, click the cheo istalled. To see	kbox. A shaq what's include	led box means that only ed in a component, click
Components:			
🗆 🚉 Networking Services			3.6 MB 🔺
🗹 🚰 Other Network File and	Print Services		0.0 MB
🗆 🚚 Remote Installation Ser	rvices		1.7 MB
🗆 攳 Remote Storage			3.5 MB
🔽 😤 Script Debugger			11MB 🗾
Description: Shares files and p	printers on this c	omputer with a	others on the network.
Total disk space required:	21 MB		
Space available on disk:	1314.0 MB		Details
		< Back	Next > Cancel

Step 1b

Hit the details button and select the options you need.

At least "File Services for Macintosh"

Adding these services also adds the protocol availability to the Network Interfaces

ther Network File and Pr	int Services		×
To add or remove a compon of the component will be inst	ent, click the check alled. To see what's	box. A shaded box mear included in a componen	ns that only part t, click Details.
Subcomponents of Other Ne	twork File and Print 9	Services:	
🔽 🚚 File Services for Mac	intosh		0.0 MB 🔼
🗹 🚚 Print Services for Ma	icintosh		0.0 MB
🗹 🚚 Print Services for Un	ix		0.0 MB
Description: Enables Mac	ntash usars to both s	tore and gain access to	Files on a
server running) Microsoft Windows	2000.	
Total disk space required:	2.1 MB		Details
Space available on disk:	1313.0 MB		
		OK	Cancel

<u>Step 1c</u>

Hit OK then next and accept the Remote Admin mode then hit Next The Service will install. Close the wizard by hitting finish.

Windows Components Wizard	×
Configuring Components Setup is making the configuration changes you requested.	
Please wait while Setup configures the components. This may take several minutes, depending on the components selected.	
Status: Completing configuration of Internet Information Services (IIS)	
< <u>B</u> ack <u>N</u> ext >	

Step 2

Next, ensure you have set up the proper Users and groups by Right clicking My Computer/Manage/Computer Management/Local Users and Groups/Users



<u>Step 2a</u>

Select Action/New User. Create and set up users properties for the intended Share.

New User		? ×
User name:		
Full name:		
Description:		
Password:		
Confirm password:		
🔲 User must change p	assword at next logon	
🔲 User cannot change	password	
Password never exp	ires	
Account is disabled		
	Create	Close

🖳 My Computer				
File Edit View Fav	vorites Tools Help		10 A	
← Back → 🔿 → 🖭	🐼 Search 🛛 🖓 Folder:	s 🎯 History 🛛 🎬	r≞×∽ »	
Address 🖳 My Computer	r		▼ ∂Go	
Name 🔺	Туре	Total Size	Free Space	
31/2 Floppy (A:)	3½-Inch Floppy Disk			
🖃 system (C:)	Local Disk	2.92 GB	1.27 GB	
REW VOLUME (D:)	Local Disk	9.74 GB	9.74 GB	
🔲 Local Disk (E:)	Local Disk	9.76 GB	9.65 GB	
🗟 Compact Disc (F:)	Compact Disc			
New Volume (G:)	Local Disk	7.84 MB	5.37 MB	
🗊 New Volume (H:)	Local Disk	7.81 GB	7.77 GB	
🗟 Control Panel	System Folder			
Free Space: 9.65 GB, Capacity: 9.76 GB 📃 My Computer 🅢				

Step 3 Go to My Computer and select which Volume you want to use in the Mac Share.

<u>Step 3a</u> Open it up and create a folder to Share.

🚍 Local Disk (E:)		
File Edit View	Favorites Tools Help	<u>*</u>
$] \Leftrightarrow Back \bullet \Rightarrow \bullet f$	🔄 🛛 🔞 Search 🖓 Folders 🛛 🚱 History	Pi Pi X ∽ III+
Address 🖃 Local Dis	k (E:)	▼ @60
Name 🛆	Size Type	Modified
Mac Share	File Folder	12/17/2001 3:41 PM
🚞 Quota	File Folder	12/4/2001 3:21 PM
1 object(s) selected		🦳 My Computer 🏼 🎢

<u>Step 3b</u> Right click the volume and hit properties. Then select the Share this Folder Option The name of the Share will appear in the "Share Name" field.

Mac Share Properties	? ×
General NFS Sharing 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: Mac Share	
Comment:	
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 this shared folder, click Caching.	
OK Cancel App	ly

Step 3c

Select the Permissi	ion's Button		
Permissions for Ma	c Share		<u>? ×</u>
Share Permissions			
Name			Add
E velyone			Remove
Permissions:		Allow	Deny
Full Control			
Change			
neau			
	OK	Cancel	Apply

Step 3e

Hit Add and Find your users and add them. This can be done individually or as groups.

Select Users or Groups		? ×
Look in: IBM5194-23BKX02		•
Name	In Folder	
🕵 fileuser	IBM5194-23BK×02	
🥵 Guest	IBM5194-23BK×02	
1000 IUSR_IBMNAS1	IBM5194-23BKX02	
IWAM_IBMNAS1	IBM5194-23BKX02	
🕵 Mac User	IBM5194-23BKX02	
🙍 NAS Lab Mac G3	IBM5194-23BK×02	
📓 root	IBM5194-23BK×02	
Add Check Names		
IBM5194-23BKX02\NAS Lab Mac G3		
	OK	Cancel

<u>Step 4</u>

You can also do this from Computer Management

File Sharing:

The same effect can be achieved by going to the Computer Management options for the Shared Folders/Shares/New File Share Name the share then browse the file to share. Note Apple Macintosh option is available. Name the Share Name then browse to set up the Share. In this case we will set up Mac Share2

Create Shared Folder		×
R.D.	Computer: IBM5194-23BKX02 Folder to share: E:\Mac Share Share name: Mac Share2	Browse
Ň	Share description: Mac Share2 Macintosh share name: Mac Share2	
	Accessible from the following clients:	
	Apple Macintosh < Back Next >	Cancel

<u>Step 4a</u> The User properties can be set here as well.

Create Shared Folder	×
	Use one of the following basic share permissions, or create custom permissions. All users have full control Administrators have full control; other users have read-only access Administrators have full control; other users have no access Customize share and folder permissions Custom Because share permissions only control network access to the share, you should set permissions on individual files and folders.
	< Back Finish Cancel

<u>Step 4b</u> But you can not assign individual permission's unless you go to Computer Management/Mac Share2/Properties/Share Permission's/Add

Mac Share2 P	roperties			? ×
General Sh	are Permissions	Security		(
Name	ine			Add Remove
Permissions Full Contr Change Read	: rol		Allov V V	v Deny
	[ОК	Cancel	Apply

Step 5

When you are finished with the Appliance set up, go to the connected Mac. Ensure AppleTalk is Active and running

Select the AppleShare Icon in the Chooser. The NAS Appliance "file server" should show in the Chooser. Select the name of the server and hit OK.

	Chooser 🛛 🛛						
	AppleShare	Color SW 1500	*		Select a fil IBM5194-2	le server: 23BKX02	<u>^</u>
	Color SW 2500	Color SW Pro					
	Image Writer	Laser Writer 300/LS					
	Laser Writer 8	StyleWriter 1200			Server IP	Address	ОК
L			Ŧ		AppleTalk	● Active ○ Inactive	7.6.0

<u>Step 5a</u>

A new window will appear with the Machine name of the Macintosh You need to set this up in the Appliance (Step 2 above) prior to this step. This name should be identified as a User in the Appliance. Enter the assigned password and hit OK.

s	Connect to the file server "IBM5194-23BKX02" as:
	 Guest Registered User
_	Name:NAS Lab Mac G3Password:•••••••••••••••••••••••••••••••••
	Cancel Set Password K 3.7.1

Step 5b

If you already have a mounted volume, This window will show. Simply click OK.

Already connected to the "IBM5194-23BKX02" as:	file server	
🔾 Guest		
Registered User		
Name: NAS Lab Mac G	3	
Cancel Set Pas	sword	ок 3.7.1

Step 5c

Note the Name of the Volumes you can mount. An X in the box next to the volumes will Auto Mount when ever the Mac is started.

Ŵ	IBM5194-23BKX02					
24	Select the items you want to use:					
	Mac Share2					
	Checked items (🖂) will be opened at					
	Save My Name Only					
	Save My Name and Password					
	Cancel OK					
		3.7.1				

There are several ways to connect the Mac to the NAS appliance. If the configuration will be established using IP, you will need to hit the Server IP Address button (Step 5 in the Chooser shown above) and enter the IP address of the Appliance.

Seed Routing

In addition, on the Appliance you can set up AppleTalk Seed routing to establish Zones. You should only do this if you are using the Appliance as a local AppleTalk Router and need zones. If the network is being set up to use a formal Router, let the router establish the Zone.

This is the description of that process:

1) Enable Routing and Remote Services under the Administration Tools menu.

2) Find the adapter which the AppleTalk traffic will be routed through and select properties to configure the protocol.

3) Enable "Seed Routing" for the local network.

4) Put a network range in from 1 to 65000

5) Create a new zone and give it a logical name.

6) Your Mac should now see the Zone you established in the Chooser.