Installing DSCLIENT for Windows 9x

In order for a Windows 95, 98, or ME computer to access the IMSS Active Directory, it is necessary to install the Active Directory Client Extension for Windows 9x software (also known as the DSClient), and make a change to the Registry to enable NTLMv2.

This webpage provides simple step-by-step instructions that detail how to install the client and make the necessary registry changes.

Prerequisites

In order to install the DSClient, the Windows 95, 98, or ME computer must be running:

- Internet Explorer 4.01 or later However...
 - For Windows 98 and ME computers...
 IMSS highly recommends upgrading to Internet Explorer 6.0 Service Pack 1.
 This software can be downloaded directly from <u>Microsoft's Website</u>.
 - For Windows 95 computers... IMSS highly recommends upgrading to Internet Explorer 5.5 Service Pack 2. Internet Explorer 6.0 will not run on Windows 95, thus Internet Explorer 5.5 Service Pack 2 is IMSS's recommendation.
- Windows Installer 2.0 Redistributable for Windows 95, 98, and ME You may need the Windows Installer to install the DSClient software, unless previously downloaded from Windows Update. This software can be downloaded directly from <u>Microsoft's Website</u>.

Where Can I Get The DSClient?

The DSClient software can be downloaded directly from Microsoft's Website.

Step-by-Step Installation Guide

1. After you have prerequisite software installed on the Windows 95, 98, or ME computer, doubleclick the downloaded **dsclient9x.msi** file to start the installation wizard.



2. Click the **Next** button on the Welcome to the Active Directory Client Extension for Windows

95/98 Installation Setup Wizard window to continue with the installation.

Welcome to the Ac for Windows 95/98	tive Directory Cl Installation Set	ient Extensions up Wizard	
The installer will guide you throu Windows 95/98 Installation on y	igh the steps required to ins your computer.	tall Active Directory Client	Extensions for
VARNING: This computer prod	ram is protected by copyrigi	ht law and international tre	aties.
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3. Read the EULA, select the **I Agree** radio button, and then click the **Next** button on the License Agreement window to continue with the installation.

Active Directory Client E	tensions for Windows 95/98 Insta	Ilation 📃 🗵 🗙
License Agreemen		
Please take a moment to read th Agree", then "Next". Otherwise	e license agreement now. If you accept click "Cancel".	the terms below, click "I
END-USER LICEN	BE AGREEMENT FOR MIC	ROSOFT
SOFTWARE		
Active Dire for Windov	ctory Client Ex vs 95/98	tensions ച
C I Do Not Agree		
	Cancel < Ba	ck <u>N</u> ext >

4. In the **Folder:** field on the Select Installation Folder window, keep the default path of C:**Progran Files****Microsoft****DSClient9xSetup**\\, and then click the **Next** button.

Active Directory Client Extensions for Windows 95/98	Installation 📃 🖬 🗙
Select Installation Folder	
The installer will install Active Directory Client Extensions for Windo	ws 95/98 Installation to the
bilowing rolder.	
To install in this folder, click "Next". To install to a different folder, e	inter it below or click "Browse".
Eolder.	
C:\Program Files\Microsoft\DSClient9xSetup\	Browse
	Disk Cost
Cancel	< Back
lick the Next button on the Confirm Installation	n window to start with the in
Active Directory Client Extensions for Windows 95/98	Installation
Confirm Installation	

Confirm Installation			
The installer is ready to install Active D your computer.	irectory Client Exte	ensions for Windows 9	5/98 Installation on
Click "Next" to start the installation.			
	Cancel	< <u>B</u> ack	<u>N</u> ext>

6. During the installation, the Active Directory Client Extension for Windows 95/98 Installation Information window will open. Click on the **Next** button to complete the installation.

le	ase read this document
1.	The Active Directory Client Extensions for Windows 95/98 <i>Setup</i> has been successfully installed on your machine. However, you must run DSClient.exe to install the actual Active Directory Client Extensions for Windows 95/98.

7. When installation is complete, an "Installation Completed" window will open. Click on the **Close** button to complete the installation.

Active Directory Client Extensi	ons for Window	vs 95798 Installati	ion L X
Installation Complete			
Active Directory Client Extensions for V	Vindows 95/98 In	stallation has been su	ucessfully installed.
Click "Close" to exit.			
	Cancel	< <u>B</u> ack	<u><u>C</u>lose</u>
	22	2008 2008	1948: 12 19

8. Now that the installation files have been extracted, you will need to start the DSClient installer, found in the location specified in Step 4. Navigate to C:\\Progran Files\\Microsoft\\DSClient9xSetup\\

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<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>G</u> o	F <u>a</u> vorites	<u>H</u> elp				1
Back Forward	t Up	y Cut	Copy	Paste	図) Undo	>>
Address 🗀 C:\Program File	es\Microsoft'	\DSClien	t9xSetup			•
DSClient9	dsclient.e	xe	eula.rtf	readme.rtf		
dsclient.exe Application ▲ ▲	1					

9. Click the **Next** button on the Directory Service Client Setup Wizard window to continue with the installation.

🛃 Directory Service Client S	etup Wizard 🛛 🗙
	Welcome to the Directory Service Client Setup Wizard This wizard installs the Directory Service Client for Windows onto your Windows operating system. This client software component may be used to access the Active Directory and Distributed File System Redirector services of the Windows 2000 Server software. To continue, click Next.
	< <u>Back</u> <u>Next></u> Cancel

10.Click the **Next** button to start the setup wizard. The wizard is now ready to install the Directory Services Client.

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of the Directory Service Client for stall it?
Back Next Cano

11. The installation window below is the actual installation taking place.

🛃 Directory Service Client Setup Wizard	×
Installation The setup wizard is now installing the Directory Service Client.	ster to
The setup wizard is detecting your system configuration and copying files onto you local hard drive to install the Directory Service Client for Windows. The installation may take a few minutes. Please wait while the wizard configures y system.	ır ıour
Destination file: C:\WINDOWS\SYSTEM\logonsrv.dll	
< Back Next >	Cancel

12.When installation is complete, an "Installation Completed" window will open. Click on the **Finish** button to complete the installation.

🛃 Directory Service Client	Setup Wizard	×
	Installation completed	
7	The installation of the Directory Service Client for Windows has completed successfully.	
	When you click Finish, you will be prompted to restart your computer.	
	If there is a CD in your drive, remove it now. Click Finish to exit the wizard.	
	< <u>B</u> ack. Finish Cence	1

13.At this point the installation is done. Click the **Yes** button on the System Settings Change pop up window to restart your system, in order for the changes made to take place.

System 1	Settings Change	9
?	You must restart your computer before the new settings will take effect. Do you want to restart your computer now?	
	<u>Yes</u> <u>N</u> o	

14. After your system has been restarted, verify that the DSClient software has been installed successfully by checking for it in Add/Remove Programs. Access it by selecting the "Start Menu", then "Run...", then "Settings", then "Control Panel", and then "Add/Remove Programs".

Add/Remo	ve Progra	ms Properties	e -	? ×
Install/Un	install Win	idows Setup S	tartup Disk	
2	To install drive, clic	a new program fi k Install.	rom a floppy disk	or CD-ROM
				Install
3	<u>T</u> he follov Windows, componer Add/Rem	ving software ca To remove a pr nts, select it from ove.	n be automaticall ogram or to modil the list and click	y removed by fy its installed
DS Clie Intel Ap Intel(R) Microso Microso	nt For Wind plication Ac 810/810E/ ft Internet E ft Outlook E	ows 98 celerator 815/815E/815E xplorer 6 and Int xpress 6	M Chipset Graph ernet Tools	ics Driver Soft
			Add	l/ <u>R</u> emove
		ОК	Cancel	Apply

Enabling NTLMv2

You should now have restarted your system. You will now need to make a few additions to the Registry, in order to enable NTLMv2 authentication.

In order to enable NTLMv2 on a Windows 95, 98, and ME system, you will need to make a few changes to the Registry.

Warning: Before you attempt to make any changes to the registry, please back it up and make sure you know how to restore if there is a problem afterward. See Microsoft's Knowledge Base article - 322754 - How to Backup, Edit, and Restore the Registry in Windows 95, Windows 98, and Windows ME.

1. Select the "Start Menu" and then select "Run...".



2. In the "Run..." dialog box, type regedit, then click the OK button to open the Registry Editor.

Run		?
7	Type the name of a program, folder resource, and Windows will open it	r, document, or Interne for you.
<u>O</u> pen:	regedit	<u>•</u>
	OK Canc	cel <u>B</u> rowse

3. The **Registry Editor** should now be displayed.

🚮 Registry Editor			
<u>R</u> egistry <u>E</u> dit ⊻iew <u>H</u> elp			
My Computer HKEY_CLASSES_ROOT HKEY_CURRENT_USER HKEY_LOCAL_MACHINE HKEY_USERS HKEY_CURRENT_CONFIG HKEY_DYN_DATA	Name	Data	
My Computer			

4. In the left hand window, expand "HKEY_LOCAL_MACHINE".

5. In the left hand window, expand "System".

😭 Registry Editor	
<u>R</u> egistry <u>E</u> dit <u>V</u> iew <u>H</u> elp	
Hegistry Edit Yiew Help Image: My Computer Name Image: HKEY_CLASSES_ROOT Image: Microsoft of the second sec	Data (value not set)

6. In the left hand window, expand "CurrentControlSet".

Registry Editor		
<u>}egistry E</u> dit <u>V</u> iew <u>H</u> elp		
Begistry Edit View Help Image: My Computer HKEY_CLASSES_ROOT Image: MKEY_CURRENT_USER Image: MKEY_LOCAL_MACHINE Image: MKEY_CURRENT_CONFIG Image: MKEY_DYN_DATA	Name	Data (value not set)
Hardware Hardware Network Software System CurrentControlSet Services HKEY_USERS HKEY_CURRENT_CONFIG HKEY_DYN_DATA		

7. In the left hand window, expand "Control".

🕵 Registry Editor				- 🗆 🗵		
<u>Registry</u> E	dit y	<u>/</u> iew	Help			
	Ė		Control	Name	Data	
			ASD ComputerName DeviceClasses FileSystem GroupOrderList IDConfigDB InstalledFiles keyboard layouts Lsa MediaProperties MediaResources NetworkProvider NIs PerfStats Print PwdProvider	Name (Default) Current User	Data (value not set) "TESTNAME"	
Mu Compute)-⊕ 	SecurityProviders	\ CurrentCentrelCet\Centrel		

8. In the left hand window, expand "Lsa".



9. In the right hand window, double-click the "LMCompatibility" registry DWORD Value.

🕵 Registry Editor				
<u>R</u> egistry <u>E</u> dit <u>∖</u>	<u>/</u> iew <u>H</u> elp			
	Control ASD ComputerName ComputerName FileSystem CoupOrded ist	Name (Default) (LMCompatibility)	Data (value not set) 0x00000000 (0)	
	IDConfigDB InstalledFiles Keyboard layouts Lsa MediaProperties			
	Medianesources NetworkProvider NIs NTKern PerfStats Print			
	PwdProvider SecurityProviders ServiceGroupOrc			

10. You will be presented with the "Edit DWORD Value" dialog box.

Edit DWORD Value	? ×
Value <u>n</u> ame:	
LMCompatibility	
<u>V</u> alue data:	Base
0	• <u>H</u> exadecimal
	C <u>D</u> ecimal
	OK Cancel

11. In the "Edit DWORD Value" dialog box, change the Value Data: field to "3", make sure that "Hexadecimal" radio button is chosen for the Base section, and then click the OK button.

Value <u>n</u> ame:	
LMCompatibility	
⊻alue data: 3	Base Exadecimal Decimal
	OK Cancel

12. In the right hand window, the "LMCompatibility" setting should reflect the new value and the setting.

🚀 Registry Editor				_ 🗆 🗵		
<u>R</u> egistry	<u>E</u> dit	⊻iew	<u>H</u> elp			
		ė- 💼	Control	Name	Data	
		ŧ	- ASD	(Default)	(value not set)	
		+	ComputerName		0x00000003 (3)	
		÷.	DeviceUlasses			
		+	ElleSystem			
				1		
		II.	installedFiles			
		÷.	Reuboard layouts			
		E F	- Lsa			
		÷.	MediaProperties			
		÷	🦲 MediaResources			
		÷	🕘 NetworkProvider			
		Đ	🕘 NIs 👘			
			🕘 NTKern 🛛 🗧			
		+	PerfStats			
		E.	Print			
		+	PwdProvider			
		±	SecurityProviders			
•	_	100 1000				
My Compu	uter\H	KEY_L	DCAL_MACHINE\System	n\CurrentControlSet\Control\Lsa		1

13. Exit the Registry Editor by clicking on the Registry menu, and then select Exit.



14.Please restart your computer.