## ALTERNATIVE VPN CLIENT FOR END USERS HAVING A 64-BIT OPERATING SYSTEM

Cisco does not provide a VPN client that supports 64-bit versions of Windows or Linux, that is compatible with Dal's current VPN infrastructure. However, a third-party freeware application has been identified and tested, that is confirmed to work with Dal's VPN infrastructure, using 64-bit versions of Windows , Linux, and Free/NetBSD.

Please note that there are no formal agreements in place for vendor support, therefore localised support of this VPN client can only be deemed "Best Effort" : Beyond basic configuration, any complex issues should be forwarded to the support channels identified by the application provider.

The client can be downloaded and installed according to the instructions below:

Navigate to <u>http://www.shrew.net/download/vpn</u> then scroll down to version **2.1.4**. Click on the '**Windows 2K/XP/Vista 64 bit'** link, and choose '**Run**', once the download dialog box appears:

File Download - Security Warning 🛛 🛛 🔀		
Do you	want to run or save this file?	
	Name: vpn-client-2.1.5-rc-2.exe Type: Application, 2.60MB From: <b>www.shrew.net</b>	
	<u>R</u> un <u>S</u> ave Cancel	
1	While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. <u>What's the risk?</u>	

Click 'Run' again, to confirm install:

Internet Explorer - Security Warning		
Do you	want to run this software?	
	Name: Shrew Soft VPN Client Install	
	Publisher: Shrew Soft Inc	
💙 Mor	re gptions	
٢	While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust. <u>What's the risk?</u>	

At the following dialog box, hit 'Next'



Then hit the 'I Agree' button, after reviewing the License Agreement.

😡 Shrew Soft VPN Client Setup 📃 🗖	X
License Agreement Please review the license terms before installing Shrew Soft VPN Client.	ENT
Press Page Down to see the rest of the agreement.	
Copyright (c) 2006 Shrew Soft Inc. ( <u>www.shrew.net</u> ) All rights reserved.	Į
Redistribution in binary form is permitted for both personal and commercial use provided that the following conditions are met:	
<ol> <li>Modification or removal of any portion of this software package prior to redistribution is prohibited. This may include but is not limited to any binary programs, loadable modules, documentation or license agreement files.</li> </ol>	
2) This software package must not be represented as your own product. If you	]
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Shrew Soft VPN Client.	
Nullsoft Install System v2,42	
< <u>B</u> ack I <u>A</u> gree Cancel	

At the dialog indicating what components to install, go with the defaults by clicking, 'Next'

🕓 Shrew Soft VPN Client Se	tup	_ 🗆 🛛
Choose Components Choose which features of Shree install.	w Soft VPN Client you want to	SHREW SOFT. VPNCLIENT
Check the components you war install. Click Next to continue.	nt to install and uncheck the com	ponents you don't want to
Select components to install:	<ul> <li>Remove Components</li> <li>Program Files</li> <li>Network Drivers</li> <li>Network Services</li> <li>Start Menu Shortcuts</li> </ul>	Description Position your mouse over a component to see its description.
Space required: 8.2MB		
Nullsoft Install System v2,42	< <u>B</u> ack	Next > Cancel

Go with the default installation location, by hitting 'Next' at the following dialog box

😡 Shrew Soft VPN Client Setup	_ 🗆 🛛
Choose Install Location Choose the folder in which to install Shrew Soft VPN Client.	HREW SOFT.
Setup will install Shrew Soft VPN Client in the following folder. To install in a differ click Browse and select another folder. Click Next to continue.	ent folder,
C:\Program Files\ShrewSoft\VPN Client	ise
Space required: 8.2MB Space available: 657.1MB Nullsoft Install System v2.42 < <u>B</u> ack <u>N</u> ext >	Cancel

As the application begins to install, there will be several prompts pertaining to software components that "*have not passed Windows Logo testing...*" – Choose '**Continue Anyway**' in all instances:

🕓 Shrew Soft VPN Client Setup	
Installing Please wait while Shrew Soft VPN Client is being installed.	SHREW SOFT. VPNCLIENT
Execute: C:\Program Files\ShrewSoft\VPN Client\drvcfg.exe -pre C	:\Program Files\ShrewSoft\
Extract: DIFxAPI.dll Output folder: C:\Program Files\ShrewSoft\VPN Client\drivers Installing 32bit NDIS 5 Drivers Extract: vfilter.cat Extract: pfilter.inf	
Extract: mfilter.inf Extract: vfilter.sys Extract: virtualnet.cat Extract: virtualnet.inf Extract: virtualnet.sys Execute: C:\Program Files\ShrewSoft\VPN Client\drvcfg.exe -pre	: C:\Program Files\5
Nullsoft Install System v2.42	Next > Cancel





Hardwa	re Installation
1	The software you are installing for this hardware: Shrew Soft Virtual Adapter has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

As the installation completes, choose 'Finish'



Start the VPN client, by navigating to 'Shrewsoft VPN Client' off of the Programs menu, and choosing 'Access Manager'. This will be the action to start the VPN client, moving forward.

From the 'File' menu, choose 'Import':

🕲 Shrew Soft V	PN Access Manager	- 🗆 🗙
File Edit View H	lelp	
Connect	00	
Import	Modify Delete	
Export		
Preferences		
Exit		

At the following dialog box, hit the down arrow adjacent to the 'Files of type', and choose 'Cisco PCF File':

Import VPN File				? 🗙		
Look jn:	📋 My Documen	ts	~	3 🕫	📂 🛄 •	
My Recent Documents Desktop My Documents My Documents	Bluetooth Exch My Corel Show My Music My Pictures My PSP Files My Shapes Powerbullet Shrew Soft VPI Shrew Soft VPI WebCam Cento	hange Folder is N k_5_10_08 er				
	File <u>n</u> ame:				~	<u>O</u> pen
My Network	Files of type:	Shrew Soft VPN File (*.vpn)			~	Cancel
and the local difference		Shrew Soft VPN File (*.vpn) Cisco PCE File (*.pcf)				

Navigate to where the '**DalhousieVPN.pcf**' file is stored, and select it. Hit '**Open**' to import the file into the VPN client. It should appear as an icon in the VPN client window. To test the client, select the Dalhousie icon, and hit the '**Connect**' button in the toolbar (above and left of the Dalhousie icon):

😢 Shrew Soft VPN Access Manager	
File Edit View Help	
S Connect Add Modify Delete	
8	
DalhousieVPN. pcf	
	.:
🕒 Shrew Soft VPN Access Manager	- 🗆 🔀
Shrew Soft VPN Access Manager File Edit View Help	_ 🗆 🔀
Image: Shrew Soft VPN Access Manager         File       Edit       View       Help         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         File       Edit       View       Help         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         File       Edit       View       Help         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Image: Shrew Soft VPN Access Manager       Image: Shrew Soft VPN Access Manager         Imager       Image: Shrew Soft VPN Acce	
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(3) Shrew Soft VPN Access Manager         File       Edit       View       Help         (3)       (3)       (3)       (3)         (3)       (3)       (3)       (3)         (3)       (3)       (3)       (3)         (3)       (3)       (3)       (3)         (3)       (3)       (3)       (3)         (4)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (4)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (4)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (4)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (4)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (5)       (3)       (3)       (3)         (5)       (3)       (3) </td <td></td>	
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Shrew Soft VPN Access Manager         File       Edit       View       Help         Image: Connect       Add       Modify       Delete         Image: DalhousieV       DalhousieV       Image: Connect Delete       Image: Connect Delete	
Shrew Soft VPN Access Manager         File       Edit       View       Help         Image: Connect       Add       Modify       Delete         Image: DalhousieV       DalhousieV       Image: Connect DalhousieV	
Shrew Soft VPN Access Manager         File       Edit       View       Help         Image: Connect       Add       Modify       Delete         Image: DalhousieV       DalhousieV       Image: DalhousieV       Image: DalhousieV	

This will prompt for a username and password, wherein a NetID and associated password are entered. Once entered, hitting the 'Connect' button following the credentials should see the VPN client instantiate a VPN connection:

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0	Shrow Soft VDN Accore Managor	
File	Shrew Soft VPN Connect - Dal 🖃 🗆 🔀	
6	Connect Network	
Cor	config loaded for site 'DalhousieVPN.pcf' configuring client settings	
Dal		
	Credentials	
	Username	
	Password	
	Connect Exit	

Note that the <u>client must be active</u> for the duration of the connection, and should normally be minimized during operation. To restore it, click on the lock icon in the notification area (lower-right, if the task bar is at the bottom.) Hitting '**Disconnect**' will terminate the VPN connection.

🐼 Shrew Soft VPN Connect - Dal 🖃 🗆 🔀		
Connect Netw	vork	
client configu local id config pre-shared ke bringing up tu network devic tunnel enable	red ured y configured nnel ce configured d	
- Credentials-		
Username	ch359961	
Password		
	Disconnect Cancel	