Howdy Computerized Phlebotomy Login Process C3-C1 Conversion Project

Reference Manual for Local IT Staff



Laboratory Patch LR*5.2*417

June 2013

Department of Veterans Affairs

Revision History Date	Revision	Description	Author
November 2011	1.0	Compiled Howdy reference material	REDACTED
December 2011	1.1	Prepped for national release	REDACTED
January 2012	1.2	Changed dates to January 2012	REDACTED
June 2013	1.3	Change link to software for formatting MagTek card reader (page 5) per Patch 417.	REDACTED

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Introduction

Patch LR*5.2*405 introduces the Howdy Computerized Phlebotomy Login Process as an automated laboratory check-in application which can be used within the Veterans Health Information Systems and Technology Architecture (VistA) Laboratory module. This software performs the following functions:

- Howdy automates laboratory check-in, accessioning of orders, and printing of specimen labels
- Howdy captures collection process times and provides the information required to create phlebotomy performance reports
- Howdy eliminates the need for a hand-written log book for sign-in where the patient's name and SSN can be compromised
- Howdy can utilize bar code technology to assist in the process of patient and specimen identification

Howdy Setup for the VistA User Account

Dedicated PCs are being used for the Howdy software. For multi-divisional sites an account is setup for each division. Each site will name the accounts as deemed appropriate indicated in the example below.

- HOWDY, Division 1
- HOWDY, Division 2
- HOWDY, Division 3
- HOWDY, Division 4

Each account will have one and ONLY one menu option of. This will depend upon which HOWDY your site chooses to utilize.

- 1. SCAN PATIENT CARD [LRHY PATIENT CARD SCAN]
- 2. SCAN PATIENT CARD (PPOC) [LRHY PATIENT CARD SCAN (PPOC)]

The password/verify codes require changing every 90 days.

Each account must have the division set as such to assure accurate order accessioning and printing for the division:

HOWDY, Division 1 in the user account set the division to Division 1 and the default to yes.

HOWDY, Division 2 in the user account set the division to Division 2 and the default to yes.

HOWDY, Division 3 in the user account set the division to Division 3 and the default to yes.

HOWDY, Division 4 in the user account set the division to Division 4 and the default to yes.

Of course you must take into consideration how each division is being utilized for example as a draw station only or with a small lab and limited testing to full testing capabilities.

Howdy Hardware

Traditional Howdy: Allows scanning of the patient VIC (Veterans Identification Card) card.

- 1 Dedicated PC (Howdy) with monitor, keyboard and mouse is required for each blood drawing area/room. Multi-divisional sites with draw stations require one for each site.
- 1 Magnetic card reader is required for each PC to read the VIC (Veterans Identification Card) card.
- 1 Barcode label printer (Zebra or Intermec s are currently being used at most sites for bar-coded lab test labels) for each blood drawing area/room.

Howdy PPOC: Allows scanning of the patient VIC and in addition captures tracking times for turnaround times.

- 1 Dedicated PC (HOWDY) with monitor, keyboard and mouse is required for each blood drawing area/room. Multi-divisional sites with draw stations require one for each site.
- 1 Magnetic card reader is required for each PC to read the VIC (Veterans Identification Card) card.
- 1 Hand held scanner (can be wireless if wireless available) to scan blood tubes for each blood drawing area/room/PC. If you have general workstation PCs located at individual draw chairs then a hand held scanner could be provided for each of these allowing the phlebotomist to scan utilizing the appropriate

Howdy PPOC option in a closer proximity of the draw area: the user must be logged onto the PC with the option opened. However, it is not required and local policies can be applied to accommodate this option. The scanning of the lab tubes allows for the tracking of the specimens to assist with turn-around times. Local procedures/policies should be established to standardize the workflow for each blood drawing area/room.

How to Set Up the Howdy PC

- 1. Setup standard PC with all updates
- 2. Create a service account (For SBY it is VHASBYHowdy) and is created already
- 3. Log in with this account to create the profile
- 4. Copy ssh_config AND reflection.ini files to C:\document and settings\all users\application data\attachmate\reflection folder using your admin account
- 5. Put Sby-Vista (ss) short-cut into vhasbyhowdy startup folder (Do not use all users!)
- 6. The user will need the Howdy Access and Verify Codes for the specific Howdy PC
- 7. If this is a replacement PC, ask users in that location for Howdy Access and Verify Codes. If this is a new Howdy install, obtain the create Access and Verify Codes from VistA Support staff
- The user must log in using VHASBYHowdy. A reflections session with VistA will automatically be launched. Do not put the VistA shortcut on the Vhasbyhowdy desktop. This is a dedicated PC.
 VHASBYHowdy is a service account and is not a member of any user groups, so there will be no icons on the desktop.
- 9. Install the Magnetic Card Reader using the install information provided and stored on your shared drive
- 10. Test the reader

Howdy Network Service Account

- 1. Create a new Howdy NT service account with a password that does not expire or need changing. One account can be used for all divisions if multi-divisional.
- 2. This account will use the local domain for logging in and not to the local machine.
- 3. Assign a VistA menu to the account.

This account will then be used for logging into the Howdy units.

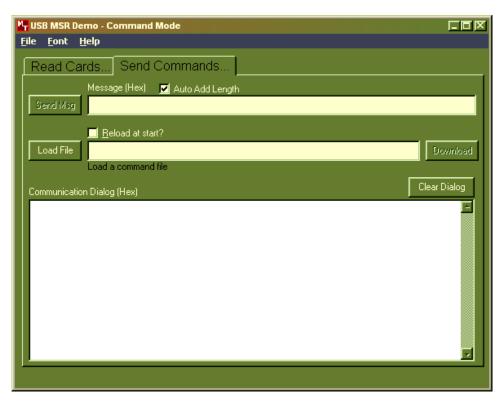
Log On to Wi	ndows
i	Windows Server 2003 R2 Enterprise Edition
Copyright © 2005	Microsoft Corporation Microsoft
User name: Password: Log on to:	VHA06
	OK Cancel Shut Down Options <<

VIC Card Readers/Magnetic Card Swipe

A lot of the magnetic card swipes used with the Howdy systems are from MagTek and have a USB connection. If the device does not have a USB connector, then it is not from MagTek and is not covered in this document. I would suggest replacing it with a MagTek if there is a problem. These card swipes have 2 setups, HID and Keyboard. To be used with VistA, the swipe must be programmed to the Keyboard interface. All MagTek swipes come in and/or default to the HID interface.

To program the magnetic card swipe to be used as a keyboard interface follow these easy steps.

- 1. Connect the USB device to a PC. (This should be done at any PC but should be done prior to installation at the user location if the user has a Thin Client).
- Go to <u>http://www.magtek.com/support/software/demo_programs/usb_swipe_insert.asp</u>. Do the Download which will allow for the installation of USBMSR.exe that formats the MagTek card reader.
- 3. The following window will appear (ensure that the "Send Commands" tab is selected).



4. Click on the Load File button and the open window appears.

Open		<u>?</u> X
Look jn:	🔁 Disk1 💽 🖆 🗰 🖬 🕶	
My Recent Documents	usbmsr Change To HID.txt Change To Keyboard.txt Example Command File.txt filecheckmd5 - readme.txt Readme.txt	
My Documents		
My Computer		
	File name:	ien
My Network Places	Files of type: Text (*.txt) Car Open as read-only	ncel

- 5. Select the Change to Keyboard.txt file and click on Open.
- 6. The following information will appear in the window of the Send Commands tab.

USB MSR Demo - Command Mode	
Read Cards Send Commands	
Message (Hex) 🗹 Auto Add Length Send Msg 01 10 01	-
Image: Beload at start? Load File \\vhasbyzirm\Documentation\Magnetic_Card_Readers\M Found 3 commands	nload
Communication Dialog (Hex)	ilog
; change device to Keyboad Emulation Mode 01 10 01 ; keyboard mode 02 ; reset	
delay 5 ; wait five seconds for device to reset	
	·

- 7. Enter the highlighted information into the Message (Hex) box: 01 10 01
- 8. Click on the Send Msg button.

The Magnetic card swipe is now setup to be a Keyboard interface. You can remove it from your PC and install on any other machine to be used.



Troubleshooting Card Swipe Issues

As of this writing, I know of only 2 issues related to the magnetic card swipes.

- 1. Card swipe is attached and has a green ready light, but nothing appears on the screen when a card is swiped.
- 2. Card swipe is attached and there is no green light.

To be able to trouble shoot the card swipe, you first have to know what the normal operation is. Normal operation is (after programmed above) connect the device to a pc and after a few seconds the light on the top of the device should turn green. Now at a VistA patient entry prompt (either Howdy or appointment management) swipe the card and the veterans name and social security number will populate the entry. The entry will automatically bring up the patient information as dictated by the prompt.

- 1. If the light is green, but when a card is swiped, nothing happens. This usually occurs if the card swipe has lost its programming or has not been programmed. If this is a standard PC workstation, go through the steps above and program the reader as a Keyboard entry device. If this is a Thin Client PC, take the device to a standard PC and go through the steps above and then replace on the Thin Client.
- 2. Usually, if there is no green light on the card swipe, unplugging it from the pc and then plugging it back into the PC is the only thing needed to clear this problem. If not, replace it with a new device.

Reflections File (.r2w)



Secure Shell Connection for Reflection

REDACTED

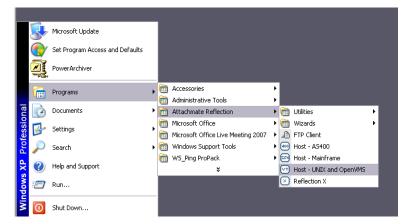
First and foremost all Howdy workstations log into themselves and present to the end user a single icon on the desktop. The icon is the Howdy Reflection icon. Once the logon process is finished, Howdy Reflection executes by :

- 1. Starting Reflection
- 2. Running a Macro that logs Howdy into VistA
- 3. Macro stops after the printer has been selected
- 4. Howdy workstation ready for Patient use

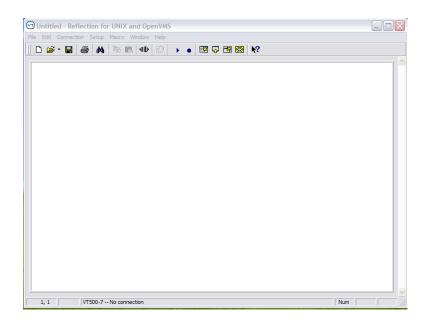
For sites that do not have their workstations logging into themselves automatically and then running the VistA connection, the steps will change to reflect how you want the Macro to run. I haven't played with the Reflection session I make enough to properly remove any unwanted features from the Menu Bar, but then that is the next step.

When the VA went to the Reflection software, the reason given was that the VA needed a Secure connection to the VistA instance. The following steps create a connection to VistA using the Secure Shell feature in Reflections.

1. From the Start button navigate to the Attachmate Reflection/Host - UNIX and OpenVMS:

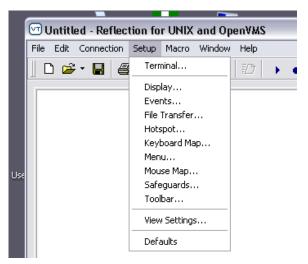


2. Once you select the Host – UNIX and OpenVMS the following display appears.



On my system this display is a small window, so I maximize the windows before I save the r2w.

3. Next set the display color using the Setup dropdown and selecting Display



4. When the following panel displays, select the colors you want and click **OK**.

ors Fonts Screen Options Edit color Screen element: Normal Bink Bold Inverse Underline Bold Bink Save As Open	Foreground: Background: Foreground: Background: Enable bink Enable underline Enable bold Inverse video Color Map
---	--

5. The display changes to the colors you have selected.

Setup Macro Window Help) • E2 Q E2 83 %?		
Colors Fonts Screen Options Edit color Screen element: Normal Bink Bold Inverse Underline Bold Bink	Foreground: Background:	Enable blink Enable blink Enable underline Enable bold Inverse video Color cursor	

- 6. Select the **OK** button and you are ready to now make your connection.
- 7. Select Connection on the Menu Bar and from the drop down select Connection Setup.

עז	Untit	led - Refle	ction f	or UND	X and	0	pen¥k	(S
File	Edit	Connection	Setup	Macro	Windo	w	Help	
∥ □	ነ 🖻	Connectio	n Setup			Þ	527	
		Connect t Disconnec		letwork				-
		Send Brea	ak		F5			
		Reset			•			
		Trace			•			
		VT-UTF8			►			

8. Once you select the Connection Setup the following panel displays

Connection Setup		? 🔀
Connect using Best network Network Serial port Modem	TELNET VT.MGR RLOGIN SECURE SHELL LAT	Connect OK Cancel
Connection options Host name:	M	Dialing Properties Defaults
Security	Connect Macro More Settings	Help

9. Select SECURE SHELL, the display will change to the following

Connection Setup		? 🔀
Connect using Best network Network Serial port Modem Connection options	TELNET VT-MGR RLOGIN SECURE SHELL LAT	Connect OK Cancel Dialing Properties
Host name: SSH config scheme: User name: Security	Connect Macro) More Settings	Defaults Help

10. Fill in the blanks with the appropriate information. The top line refers to your sites VistA instance. The second line you want to select the BlankPassword choice and for the last line you want to enter your site's access/users name for VistA.

Connection Setup		? 🗙
Connect using Best network Network Serial port Modem	TELNET VT-MGR	Connect OK Cancel
Connection options	VISTA.WILMINGTON.MED.VA.GO	Dialing Properties
SSH config scheme: User name:		Defaults Help
Security	Connect Macro More Settings	

11. Select the Security button to see the following display.

Host Keys	GSSAPI	Multi-hop	PKI	Host Data
General		Encryption	Tunneling	User Keys
Port number: User Authenti Public K Passwo	.ey	Protocol: 2 o	🗘 Up	
 Keyboa Server Ke Enable co 		Interval: 30	seconds	<u> </u>
🗌 Reuse exi	siting connectio	Low n if available	ŀ	ligh
Logging Leve	l: Quiet Quiet Fatal Error Info Verbose		Cancel	Help

12. Select Quiet and then click on the **Connect** button.

	? 🔀	
	Connect OK	
~	Cancel	

Your system will connect to your VistA instance and in the lower right-hand corner it will display the information about a secure shell connection.

Volume set: ROU:WIMR4PA01
ACCESS CODE:
97.14 A VISIO-7 VISTA WILMINGTON MED VA GOV via SECURE SHELL

- 97, 14 A VT500-7 -- VISTA. WILMINGTON.MED.VA.GOV via SECURE SHELL
- 13. Now you should save the work done so far. And then you can write your Macro specifically for this system. I usually save the file to the C:\Program Files\Attachmate\Reflection folder, because this will be used for a Howdy box, which logs into itself.
 - a. Select the Save As from the File Menu drop down



b. Give it a name and save it. I use the C:\Program Files\Attachmate\Reflection folder.

Save Settings								? 🗙
Save in:	C Reflection		~	G	ø	ø	•	
My Recent Documents Desktop My Documents	 1033 Help Host rwmdata Support Transforms X CapeMay.r2w Dover.r2w 							
vhawimhammej0 on WIM-EE22	File name:	Howdy.r2w				~		Save
	Save as type:	Settings (*.r2w)				~		Cancel
My Network Places	No Shortcut will be	created.						Help
riaces								Properties
								Shortcut

- c. Select the Shortcut Button in the lower right-hand corner of the panel shown above.
- d. Check the box in the upper left-hand corner and the radio button as shown in the display below. This will put a shortcut on the Start Menu that can be copied wherever you want to put it. Click **OK** and return to the display in Step 15-b and click **OK** again. You have saved your new Session connection.

Shortcut	? 🔀
Create a shortcut when saving settings files	ОК
Place the shortcut O In the Reflection sessions folder	Cancel
On the Windows desktop	Heip
 In Programs on the Start menu 	
O In the folder shown below	
C:\Documents and Settings\vhawimhammej1\Start Menu\Programs\	Browse

- 14. To Write the Macro after you have saved the initial connection do the following.
- 15. After saving your new Session connection, close it, and then re-open it using the Shortcut you have just made.

	5	Microsoft Update					
	€⁄	Set Program Access and Defaults					
	Q	PowerArchiver					
((()))	6	Programs	•	6	Accessories	۲.	
		-		m	Administrative Tools	•	
Professional	3	Documents			Attachmate Reflection	•	
sio.	7.	Settings		m	Microsoft Office	•	
les	1	Dettings	1		Microsoft Office Live Meeting 2007	•	
2	$\sum_{i=1}^{n}$	Search	•		Windows Support Tools	•	
	<u> </u>			m	WS_Ping ProPack	•	
ХP	\bigcirc	Help and Support		P	Howdy		
Windows		Run			×		
Win	0	Shut Down					

16. Once your session opens, select Macro from the Menu Bar and the select Start Recording

lowdy.r2w - Reflection for UNIX and OpenVMS				
Edit Connection Setup	Macro	Window Help		
🛎 • 🖬 🎒 👫	Stop	r os 1 Macro		
<misuse< th=""><td></td><th>t Recording Recording</th><td>SY</td></misuse<>		t Recording Recording	SY	
		al Basic Editor Alt+F11		

17. Enter the information you want to have in the Macro and then select Stop Recording from the Macro drop down on the Menu Bar



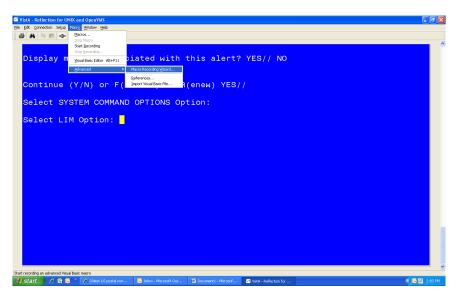
- 18. A pop-up will display and the Macro should be named as Login. The **Make this the connection Macro** box should be checked.
- 19. Next select File from the Menu bar and the **Save Howdy.r2w**.



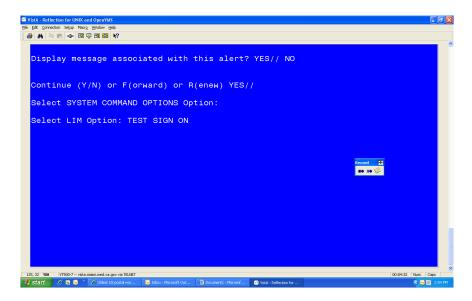
20. If everything was done right, you can close out the session and restart it using your shortcut.

Creating Macros in New KEA

- 1. Select the macro drop-down menu.
- 2. Select the Macro Recording Wizard.

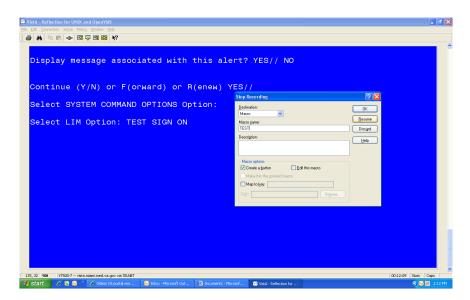


3. Record your macro and then click the stop recording button.



4. Give the macro a name. Make sure create a button is checked.

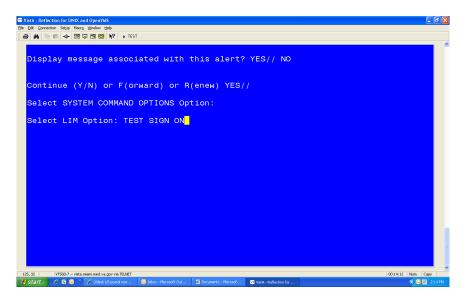
VMAX Believelow for UNIX and OpenVIX E Conversor Her Nog 1996 199 과 원 전 전 OPE II 오 전 전 전 전 전 전 2 Display message associated		
Continue (Y/N) or F(orward)		X
Select SYSTEM COMMAND OPTI	Destination:	
Select LIM Option: TEST SI	Mano gone Bean Statisti Description biogra Maco goline biogram Caste a plation	
	Make this the gornect macro	
	Path: Browse	
125, 32 KBM VT500-7 vista.miemi.med.va.gov via TELNET	Manssoft Out 🖾 Document I - Manssof 🕼 VistA - Reflection for	00:05:35 Num Caps



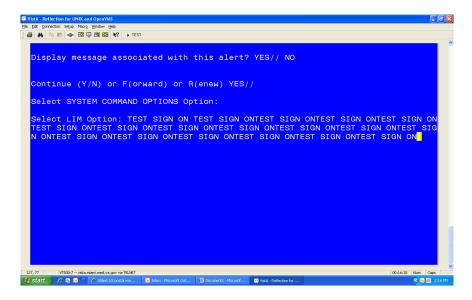
5. Uncheck this box. Then click **OK**.

© Visita - Reflection for UNIX and OpenYASS De Exe. Connectors Setup. Hong: Sphere: Bio ↓ ⊕ Kat ⊕ Exe. ⊕ EXE ↓ ♥ Exe. ♥ 1 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	_ 6 X
Display message associated with this alert? YES// NO	
Continue (Y/N) or F(orward) or R(enew) YES//	
Select SYSTEM COMMAND OPTICMS Option: Macro Recording Wizard Host Prompt	3
Select LIM Option: TEST SIC Other States and States an	
125, 32 VBM VT500-7 vista.miemi.med.va.gov via TELNET	00:12:52 Num Caps
🛃 start 🛛 🖉 🗟 🖉 👋 🌈 Oldest US postal wor 🧔 Inbox - Microsoft Out 🔯 Document I - Microsof 🔯 VistA - Reflection for	🔍 🔂 🔟 2:12 PM

The button is created here.



6. Test the macro by clicking the button.

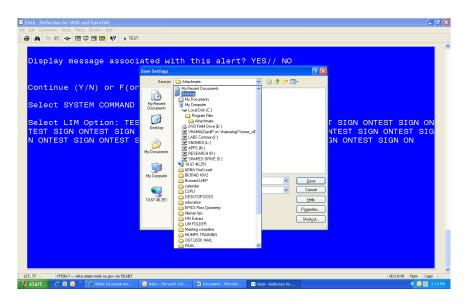


7. Go to File and Save as.

🐨 VistA - Reflection for U	NIX and OpenVMS	×
Ele Edit Connection Setup	Marro Window Help	
New Session Open Ctrl+O	1월 🖓 🖽 18월 🙌 😯 🕨 TEST	~
Layout +	essage associated with this alert? YES// NO	
Save Display As Properties Transfer	(Y/N) or F(orward) or R(enew) YES//	
Logging Print Ctrl+P Print Setup	STEM COMMAND OPTIONS Option:	
Page Setup Glose Printer Seng Exit Exit All	M OPTION: TEST SIGN ON TEST SIGN ONTEST SIGN ONTEST SIGN ONTEST SIGN ON ONTEST SIGN ONTEST SIGN ONTEST SIGN ONTEST SIGN ONTEST SIGN ONTEST SIGN SIGN ONTEST SIGN ONTEST SIGN ONTEST SIGN ONTEST SIGN ONTEST SIGN ON	
		(K)
Save settings to a file		
etart / 🕞 🕅	🚬 🐣 🖉 Öldert 15 northill war 🖉 Tahar - Manasaft D. t. 📓 Donument - Manasaft 🖉 Weth - Bellection for 🖉 🖉 🖉 2:17 BM	

8. Give the file a name, and change the location.

Continue (Y/N) or F(or Select SYSTEM COMMAND Select LIM Option: TES TEST SIGN ONTEST SIGN N ONTEST SIGN ONTEST SIGN ON Figure Visit Cov Save at loge Save at loge
27, 77 V150-7 - vida mieri med va gov vo TELNET 0018-29 Num Caps 5 (Start / C 🗞 🖉 * C 006/05 (Statiling) Those M. O.L. 🔄 Document - Microsoft, O.L. 🕲 Occument - Microsoft, Occument - Microsof



9. Click Save.

Contained and the second s	Save Setting: Save jr: Desktop My Rocor Descriments My Rocor Desktop	Control Contro Control Control Control Control Control Control Control Control Co	F SIGN ONTEST SIGN ON NTEST SIGN ONTEST SIG 3N ONTEST SIGN ON
127, 77 VT500-7 – vista.mieni.med.va.gov via TELNET			00;20:39 Num Ceps
🛃 Start 🔗 🖾 😔 🦥 🌈 Oldest US postel wor	😡 Inbox - Microsoft Out 🛛 🗐 Document I -	Microsof VistA - Reflection for	🔍 🖂 📈 2:20 PM

10. Shortcut on desktop. When you click this, it will open the session with your saved macro and any others you have created.



Thin Client for Howdy

1. Logon as Administrator (press ALT+F4 during countdown).

Terminal L	ogin	
	<u>U</u> sername:	administrator
87	<u>P</u> assword:	*****
		Change Password
		OK
Vers	ion:5.0 Hot Fix	1 (Build 529.1)

2. Add a menu option for Telnet session.

Name	Туре	Status	Startup
Citrix Web Portal (Primary)	Web		
🔆 Citrix Web Portal (Secondary)	Web		
🚭 Citrix Web Portal (Tertiary)	Web		
Connect End	Add	Delete	Startup

		Туре	Status	Startup
Citrix Web Portal (Primary)		Web		
🔁 Citrix Web Portal (Secondar	/)	Web		
🔆 Citrix Web Portal (Tertiary)		Web		
New Co	nnection		\mathbf{X}	
Select th	e type of connection to a	treate:		
Microso	t Remote Desktop Client		~	
Citrix IC				
	Explorer			
	t Remote Desktop Client Emulation	D		
		13		

- 3. Configure the connection (use screen shots for setting examples).
- 4. Name your connection other settings are default.

Winterm Co	nnection Manager	
Connections		
	TE Client Connection Wizard - Conne	ction Information
Citrix Citrix Citrix	Connection Name:	VistA
Citrix	Emulation:	VT500 7-Bit
	<u>V</u> T Terminal ID:	vt420
	Cyrsor Moves Right to Left	International Settings
		L _S
	Operating Language:	: English
	<back next=""></back>	Cancel rtup
		Control Panel Shut Down

5. Enter your site host name.

	E Client Connection Wizard - Host Information	
Citrix Citrix Citrix	Connection Type ICP/IP Host Name: vista.fayettvl-nc.med.va.gov Modem Configuration Name: <new session=""> Serial Connect to: COM1:</new>	
	Host Rollover On Connection Fail Advanced	
Conne	<back next=""> Cancel rtup</back>)

- 6. Enter **Username:** in the text box.
- 7. Respond with **vista** and press **Enter**.
- 8. Click Add to complete the script.

Connections	nnection Manager
Name	TE Client Connection Wizard - Automate Login Process
Citrix Citrix Citrix VistA	Parameters Set Initiation String Wait For Isxt: Keyboard Lock Keyboard Unlock Respond With Vista <cr> C. Return Insert VK_SHIFT</cr>
	<back< td=""> Next> Apply Cancel rtup Control Panel Shut Down</back<>

Default settings are:

	nection Manager	
Name	E Client Connection Wizard - Prin	ter Port Settings
Citrix Citrix	Current System Printer Driver HP PCL3 Co	ompatible
		Printer Port:
	Print Direct To Port	Parallel Cable on LPT1:
	Use Network Printer (LPR)	LPD <u>H</u> ostname:
		Configure Advanced
	FormFeed Terminator Auto Line Feed	
	0 ≦econds Close Delay	Qutput Character Set: ISO-Latin 1
	< <u>Back</u> Next>	Cancel rtup
		Control Panel Shut Down

 \square

No changes here, yet...

Name	TE Client Connection Wizard - GUI	Overrides
Citrix Citrix Citrix	Command Bar Disable Elements Disable Status Bar Disable Scroll Bar Disable Clipboard Accelerators	Action on Host Close Display Options Shutdown Stay Alize Reconnect No connection Warning on close
Conne	Mouse Cursor Style: I-Beam	Cancel rtup

Default settings are:

Connections	nection Manager
Name 1	E Client Connection Wizard - Aux Port Settings
Citrix Citrix Citrix	Auxiliary Port: Parallel Cable on LPT1: Configure
	Functionality Image: Bi-directional Image: Open at session start-up
	Control Panel
	12

You are finished.

onnections -	
Traine -	E Client Connection Wizard - Finalization
Citrix Citrix	Summary Session Information
Citrix •	You are about to create a new session named: VistA Using emulation: VT500 7-Bit Settings for this emulation are: VT Terminal ID: Vt420 Character Set Mode: Multinational Preferred Character Set: DEC-MCS Code Page PC Multinational (437) Communicating with the host (vista, fayettV-Inc.med.va.gov) via TCP/IP. Using Teinet Port: 23 Terminal Identifier: vt420 Selected Printer: Through Print Action: Print Direct To Port Printer Port: LPT1:
	Don't show this information again
	Click Finish to store settings.
	<back cancel="" einish="" rtup<="" td=""></back>

9. Test the connection and tweak the telnet session settings.

	Туре	Status	Startup
😂 Citrix Web Portal (Primary)	Web		
💆 Citrix Web Portal (Secondary)	Web		
Citrix Web Portal (Tertiary)	Web		
VistA	TEC	Active	

- 10. Log into VistA, so that you can edit the session settings without timing out.
- 11. While performing the steps below, I recommend selecting File / Save Session between the different setups.

Terminal Settings are:

WinCEVNC	
File Edit Settings 🖤 🐨 🖬 🗞 🕼 🐘 🦎 🖓 🍽	×
✓Englah French German / Planning Spanish 1 Menu	
Emulation f a users' job HC700-92/96 HEM 2151 WY90	
Lab #M 3270	
Lab <u>Jammak</u> or #16 on message #3118655 Bdc Tranmiston. Jr #16 on message #3119493 Attributes. Jr #22 on message #3119549	
Lab <u>Keytoar Macos</u> Dr #22 on message #3119549 Lab <u>Soft Buttor</u> Dr #16 on message #3119609 Lab wessaging error #16 on message #3119610	
CRUNCH,CA (C5555): UNSIGNED HISTORY OF NARCOTIC ALERT-REMOVAL NOTE OVERDUE fo. NOIS Calls	
Lab Messaging - Reference Lab Units/Normals Change received from LA7V HOST 55 Enter "VA to jump to VIEW ALERTS option	

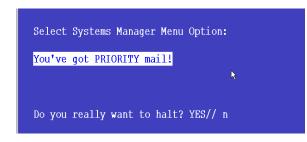
12. Under Terminal Settings / Preferences I added Backspace = DEL

<u>File Edit S</u> ettings	🕈 🖬 🞍 🚨 📲 🖷 📢	C ¹ IO	
Terminal Settings			ок 🗙
Display Rows: 23 Image: Columns: 23 Image: Columns: 80 Image: Column Font Image: Column	Memory Row <u>s</u> : 144 Page Sige: 24 Page Width: 80	Preferences Jump Scroll Ø 80 / 132 Clears Screen Ø Backspace = DEL Ignore Nulls Ø High Function Terminal	
Cursor Type Block	Status Line	NumLock Action	Set <u>T</u> abs
Preferred Font Courier New	Preferred Char. Set	Ansi Code Page PC Multinational (437)	
Lab Messagin Lab Messagin		message #3118655 message #3119493	

- 13. Click **OK** and go back into Settings / Attributes.
- 14. Scroll through the Screen Elements and assign preferences to the elements that you wish to change. You will have to experiment – there are a lot of little settings you can play with to make the screens look nice. This example shows where I set the font to bold.

Inverse (IV) Intensity (IN) Column Sep (CS) Hidden (HI) Antification Column Sep (CS) Intensity I			
Foreground Background Image: Second Secon	<u>File E</u> dit <u>S</u> ettin	gs 💓 💕 🖬 🔌 🛕 🖷	
Ansi Palette Normal Screen Intensity (IN) Intensity Intensity </th <th>Attributes</th> <th></th> <th>OK 🗙</th>	Attributes		OK 🗙
Attribute Sample Text 14 Underline (UL) Inverse (IV) Swap Black/White 55 Inverse (IV) Swap Black/White 93 Column Sep (CS) Hidden (HI) Use Rolmal BG 49 Use Rold Font 93 10 10 Inverse (IV) Swap Black/White 49 10 Interse Sep (CS) Hidden (HI) 10 10	Foreground	Background	Ansi Palette Normal Screen Intensity (IN) Underline (UL) Flashing (FL)
	Elashing (FL) Underline (UL) Inverse (IV) Intensity (IN) Column Sep (CS)		Preferences 114 Inverse Colours 55 AutoColours 93 AutoColours 93 Colours Cleared with Attribut 49 Use Italic with Intensity 93 Use Bold Font 90 14 14 14 14 15 14 15 93 93 93 93 93 93 93 93 93 93
NOIS Calls	NOIS Cal	15	

Part of my screen after playing with the settings.



- 15. Click **OK** to finish. Next we go into Settings / Keyboard Macros.
- 16. Place your cursor in the Program Key block and press your F1 key. Then use the drop down under Predefined Macros and choose VT_PF1. Click Apply (which fills in the With block. Then click the Add button.

Create New Macro	Current Macro Definitions
Program Key	Key Code T., Defined Macro
With	
Normal 🔽 Add ->	
Predefined Macros	
Apply VT_PF1	1
	<- Remove Remove All

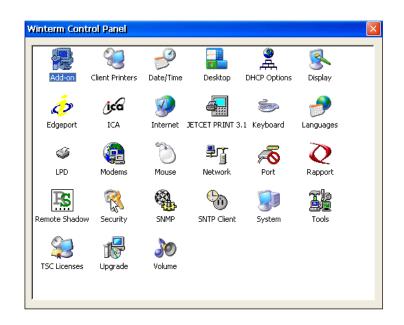
17. Clicking **Add** places the info into the right hand window and clears the left side out so that you can add the next macro.

Lah Messaging error Define Keyboard Macros	#16 on message #3119609
Create New Macro	Current Macro Definitions
Program Key	Key Code T., Defined Macro
With	VK_F1 <vt_pf1></vt_pf1>
Normal 🔽 🚺 Add ->	S
Predefined Macros	c c
Apply VT_PF1	1 v
	<- Remove Remove All

- 18. Repeat with F2, etc. and click **OK** when finished.
- 19. At this point you want to save your session! File / Save Session.
- 20. Log out of VistA, exit the session, and Access the Control Panel.

Name	Туре	Status	Startup
Citrix Web Portal (Primary)	Web		
😂 Citrix Web Portal (Secondary)	Web		
Citrix Web Portal (Tertiary)	Web		
🔜 VistA	TEC	Active	
Connect End	<u>A</u> dd <u>E</u> dit	. <u>D</u> elete	Startup

- 21. This is where you will change the Connection Manager menu that the vauser account sees.
- 22. Choose the Security option from the Control Panel.



23. Highlight the **vauser** account and Modify User.

Security								
Н	V Security Enable							
	Hide Configure Buttons in Connection Manager	U <u>s</u> er	Name: vaus	er	~			
	Screen Lock En <u>a</u> ble	📃 Sir	igle <u>B</u> utton Ci	onnect				
J	Z EailOver Enable		CP Connectio					
	Mul <u>t</u> iple Connect		ection <u>N</u> ame					
	PingBeforeConnect	Citrix	Web Portal (Primary) {We	eb} 🔽			
	<u>∨</u> erbose	🔽 Aut	o Fail <u>R</u> ecove	ry 🔽 Res	et HotKey Enable			
۲,	Jser Accounts		-					
	Account Name	Privilege	AutoStart	AutoLogin	Add User			
	Administrator	Admin	No	No				
	vauser	Guest	Yes	Yes	Modify User			
					Delete User			
					Permissi <u>o</u> ns			
Ľ								
		ок	Can	el				
		02						

24. Assign the Telnet (VistA) menu and Unassign the Citrix Web Portal connections.

Modify User Account: vauser	×
Enable Password Change User Name: vauser Password: ***** Confirm Password: *****	Account Privilege Administrator User Quest Allow Access to Connection Manager
Available Connections Type Citrix Web Portal (Prim Web Agsign > Citrix Web Portal (Sec Web Upassign <	Assigned Connections Type AutoStart Citrix Web Portal (Pri Web Yes Citrix Web Portal (Sec Web No Citrix Web Portal (Tert Web No
OK	Cancel

Modify User Account: vauser	
Enable Password Change User Name: Vauser Password: ***** Confirm Password: *****	Account Privilege Account Privilege Administrator User Guest Allow Access to Connection Manager
Citrix Web Portal (Terti Web VistA TEC	Assign > Assigned Connections Type AutoStart VistA TEC No Upassign < Up > Down > Toggle AutoStart >
0	

- 25. Click **OK** to close this window and **OK** again to close out the Security window. When you close the Winterm Control Panel, the system will need to restart for the settings to take effect.
- 26. Let the system come back up and auto-logon so that you see what the **Howdy** user sees. At this point, Settings menus and status bar are still visible. If you are happy with keyboard macros and all other settings, you can go back to your Administrator login and remove the menu bar and status bar.
- 27. Go back into the application Edit settings and click through the screens until you come to this one:

Winterm Connection Manager							
Connections							
Name TE Client Connection Wizard - GUI Overrides							
Citrix Citrix Citrix Citrix Citrix Citrix Citrix Citrix Citrix Disable Elements Disable Elements Disable Status Bar Disable Status Bar Disable Cipboard Accelerators Action on Host Close Disable Motion Disable Status Bar Disable Cipboard Accelerators Action on Host Close Disable Cipboard Accelerators No connection Warning on close							
Mouse Cursor Style: T-Beam							
Conne	irtup						
Control Panel Shu	t Down						

28. Disable Elements - pick individual items to remove, or you can just disable the whole menu bar.

29. This is also the place to disable the status bar and decide how you want the program to act if VistA times out or the user closes the application.

V			nnection Manager			
	G	onnections				
		Name	TE Client Connection Wizard - GUI			
		Citrix ' Citrix ' Citrix '	Command Bar Disable Elements Disable Status Bar Disable Scroll Bar Disable Clipboard Accelerators	Action on Host C Display Op Shutdown Stay Alive Reconnect	btions	F
				No connection	n Warning on close	
ersor	ali	se Comi	andBar Appearance	ок 🖂		
Disa	able sab sab	≥ <u>A</u> ll ≥ All <u>M</u> enus ole <u>F</u> ile Men ole <u>E</u> dit Mer ole <u>S</u> ettings	u Disable <u>I</u> ool Button u Disable Cl <u>o</u> se Butto	5		rtup
					trol Panel	Shut Down