Installing WorldVistA EHR 2.0 on the Single User Version of Cache Mapping the VistA Globals and Routines

1. These instructions are for installing the single user – unlimited license version of Cache on Windows. The single user version can be downloaded from the Intersystems web site at http://www.Intersystems.com You will need to provide some information in order to download it. These instructions assume you download Cache which is about 300 megabytes in size.

Note that the single user version of Cache now has TRYCACHE replacing CACHEWEB.

2. After you have installed Cache, check to see if your installation went in and is operational. One way to know is to do a search on the getting started page. Go to the blue crosshatched cube at the bottom right of your screen and left click on the cube and then "Getting Started." Here I just searched for TEST.



3.If this does not work as shown, it is usually the presence of an interfering firewall program that is causing the trouble and you will probably need to completely uninstall the firewall to proceed. Two that are know to interfere in the fall 2006 were McAfee Internet Security and Zone Alarm. Inactivating them is not enough. They had to be uninstalled. McAfee Antivirus is did not interfere with Cache nor did Norton, but security programs frequently identify Cache software as potential malware even now, so it is still a good bet that firewall software may cause problems.

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4. Wherever you installed Cache, drill down to the Mgr directory and make a sub directory called EHR.

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5.Whether you are installing the VA Demo or the FOIA-VistA or WorldVistA EHR, the unzipped copy of the file that contains the database and routines will need to be renamed

Cache.dat if it is not named that already and it should be placed into a sub-directory of Intersystems/TryCacge/mgr in its own subdirectory. In this instance, the subdirectory is EHR. The original zip file can be left in the directory if you wish. The Cache.dat file for WorldVistA EHR can be found on Sourceforge.net. Search for WorldVistA EHR and then click on Files. Under the WVEHR 2.0 Directory, find WVEHR-2.0-Release-2.11-Cache.zip, the latest Cache version, and unzip it in the EHR subdirectory of mgr.

http://sourceforge.net/projects/worldvista-ehr/files/WorldVistA_EHR_2.0

6. Rename the WVEHR_2.0_Cache.dat file in the zip file to simply cache.dat and be sure that cache.dat file is in the EHR subdirectory of mgr.



Extract the WVEHR 2.0 File



Rename it to Cache.dat

7.Next you will need to add the database and map the globals and routines. First, we will add the database. Go to the blue cube on the bottom right of your screen, left click and choose Management Portal.

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12.Choose System Administration -> Configuration -> System Configuration -> Local Databases (on the far right)..

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DOCBOOK	c:\intersystems\trycache\m	gr\docbook\	133	Mounted/RW	%DB_DOCBOOK	No	No	Edit	Delete	Globals
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14.Click on the blue Create New Database up near the top left of the screen and then fill in EHR and browse to the EHR directory and click Next>

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15. Click and the existing CACHE.DAT you created should be there for you to choose. If not, go back and make sure you put the WVEHR 2.0 Cache.dat file into the right directory and renamed it to CACHE.DAT.

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16.Now you will now see the EHR database listed with the others.

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17. Click the Back arrow until your reach this screen and choose Namespaces on the far right.

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18. Then click on Create New Namespace.

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19. Enter EHR and pick it from the drop down list, unclick Create a Default Web Application and click Save..

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20. Click Save and wait a few moments. You will now see EHR is the list of Namespaces.

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21.Click on Global Mappings in the line where the EHR Namespace is displayed. Then Click on New Global Mapping. . Pick EHR from the dropdown list and enter %Z*. Click Apply and OK.

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22. The mapped globals will be displayed. Click Save Changes and the Save Changes button will gray out. Otherwise you will lose your work.

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23.Click on the back arrow to get back to the page where all of the Namespaces are listed.

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24.Click on Routine Mappings for EHR and Click On New Routine Mapping and enter %RCR in the EHR namespace as shown.

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25. Click Apply and OK and do the same for %DT* (note the * following all of the remaining routine mappings),), %XU*, %ZIS*, %ZO*, %ZT* and %ZV*. There are a total of 7 mappings.

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ltem(s) changed. Click 'S The routine mapping	ave Changes' to save into s for namespace EH	the Configuration f	ile or 'Cancel C below:	Changes' to discard.				
Routine	Туре	Database				E		
%DT*		EHR		Edit	<u>Delete</u>			
%RCR		EHR		Edit	<u>Delete</u>			
%XU*		EHR		Edit	<u>Delete</u>			
%ZIS*		EHR		Edit	<u>Delete</u>			
%ZO*		EHR		Edit	Delete			
%ZT*		EHR		Edit	Delete			
%ZV*		EHR		Edit	<u>Delete</u>			
•						Ψ •		

26.Click Save Changes which is right next to the New Routine Mappings. The Save Changes will gray out. Otherwise you will lose all of your work.

	Firefox 🔻			11				x
1	TRYCAC	HE - Home	× 🕇 TF	YCACHE - Home	×	Routine Mappings	×	+
	🗧 🛞 loo	calhost:57772/csp/sys/m	ngr/%25CSP.UI.P	ortal.Mappings.cls?Map	Type=Rtn&\$ID 🏠	🔻 🕑 🚼 - Googl	e 🔎	⋒
	Most Visi	ited 📋 Getting Started	🔊 Latest Head	llines 🧠 24th VistA Co	mmunity		💽 Boo	kmarks
	Menu	Home About He	elp Logout	System > Configurat	ion > Namespaces	> Routine Mappings	Cashá	<u>^</u>
	Routine	e Mappings			Server: hpTX2 User: UnknownU	Namespace:%	by InterSystems	
	New R	outine Mapping	ave Changes	Cancel Changes				
	The rou	utine mappings for	namespace	EHR are displaye	ed below:			
	Ro	outine	Туре	Database				E
	%	DT*		EHR		Edit	Delete	
	%	RCR		EHR		Edit	Delete	
	%)	XU*		EHR		Edit	Delete	
	%	ZIS*		EHR		Edit	Delete	
	%	Z0*		EHR		Edit	Delete	
	%	ZT*		EHR		Edit	Delete	
	%	ZV*		EHR		Edit	Delete	
								-

27.If you now go back to Databases, you will see that your new database is Dismounted which is the default for new databases with this version of Cache.

ché Cluster Ma	anagement × 1	TRYCACH	E - Home		× 🕹 Local Da	tabases			× +	-	
Iocalhost:5	7772/csp/sys/mgr/UtilSysDat	tabases.csp?	Recent=1			☆ ▼ 6	: 3-	Google	2	- }	2
ost Visited	Getting Started 🔜 Latest H	eadlines 🧠	24th VistA	Community						Bo	ook
enu Ho	me I About I Help I Logout	System	n > Configu	ration > Local	Databases				-		_
		0,0101	. ooniga	Server: hp	TX2 Nam	espace:%SY	(S		l	Caché	J
ocal Databa	ises			User: Un	knownUser Licen	sed to: Cac	he Evalua	tion	Instai.	y InterSyster	ns
he following i	is a list of the local datab	bases:			Last update: 2012-12	2-24 22:58:38.	.581 📄 Au	ıto			
he following i	is a list of the local datat	bases:			Last update: 2012-12	2-24 22:58:38	.581 📄 Au	ıto			
Filter:	Page size: 2	20 👻 Items	found: 9								
Name	Directory		Size (MB)	Statue	Desource	Encounted	lournal				
Name	Directory		Size (MB)	Status	Resource	Encrypted	Journal				
Name CACHESYS	Directory c:\intersystems\trycache\mgr	\	Size (MB) 170	Status Mounted/RW	Resource %DB_CACHESYS	Encrypted No	Journal Yes	Edit	-	Globals	
Name CACHESYS CACHELIB	Directory c:\intersystems\trycache\mgr c:\intersystems\trycache\mgr	\ \cachelib\	Size (MB) 170 324	Status Mounted/RW Mounted/R	Resource %DB_CACHESYS %DB_CACHELIB	Encrypted No No	Journal Yes No	Edit Edit	-	Globals Globals	
Name CACHESYS CACHELIB CACHETEMP	Directory c:\intersystems\trycache\mgr c:\intersystems\trycache\mgr c:\intersystems\trycache\mgr	\ \cachelib\ \cachetemp\	Size (MB) 170 324 11	Status Mounted/RW Mounted/R Mounted/RW	Resource %DB_CACHESYS %DB_CACHELIB %DB_CACHETEMP	Encrypted No No No	Journal Yes No No	Edit Edit Edit	-	Globals Globals Globals	
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28.Go back to the initial Management Portal page and choose System Operation, Databases.



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Cach	é Cluster Man	agement \times	TRYCACHE - Home	×	🕹 Local Databas	ses	×	🔮 Datak	bases		× +
(€)@	localhost:577	72/csp/sys/op/	%25CSP.UI.Portal.OpDataba	ses.cls			☆ ▽ (e 🚼 -	Google		۹ م
🤌 Most	Visited 🗍 Ge	etting Started 🙍	🛛 Latest Headlines 🛞 24th	n VistA Comm	unity						Bookmarks
Men	u Hom	e About Help	Logout System > D	atabases						Cashi	-
Data	abases			Sei	ver: <mark>hpTX2</mark>	Na	mespace:%S	YS		Cache	*
				Us	er: UnknownUs	er Lic	ensed to: Ca	che Evalı	uation Insta	by intersyst	ems
Frees	space 🛛 In	tegrity Chec	k 📔 Integrity Log						Data	abases	
The	following is	s a list of the	local databases:								
Filter	: F	Page size: 0	Max rows: 1000 Res	sults: 9 Page	: (< < <mark>1</mark> >> >)	of 1					
	Name	Directory		Max	ize (GB) Size	(MB) S	Status	Encrypt	ted Journal		
	CACHESYS	c:\intersysten	ns\trycache\mgr\	Unlim	ited	170 N	lounted/RW	No	Yes	-	-
	CACHELIB	c:\intersysten	ns\trycache\mgr\cachelib\	Unlim	ited	324 N	lounted/R	No	No	-	-
	CACHETEMP	c:\intersysten	ns\trycache\mgr\cachetemp	p\ Unlim	ited	11 N	lounted/RW	No	No	-	-
	CACHE	c:\intersysten	ns\trycache\mgr\cache\	Unlim	ited	1 N	lounted/RW	No	No	-	-
	CACHEAUDIT	c:\intersysten	ns\trycache\mgr\cacheaudi	it\ Unlim	ited	1 N	lounted/RW	No	Yes	-	-
	DOCBOOK	c:\intersysten	ns\trycache\mgr\docbook\	Unlim	ited	133 N	lounted/RW	No	No	<u>Dismount</u>	-
>>	EHR	c:\intersysten	ns\trycache\mgr\ehr\	Unlim	ited	1671 E	Dismounted	No	No	-	Mount
- (A Mariat Da	c:\intorevetor	neltoreacholmarleamplach	Linim	itod	21	ounted/RW	No	No	<u>Dismount</u>	-
		tabase - Mozilia	FIRETOX	10000			ounted/RW	No	Yes	<u>Dismount</u>	-
To fil	Iocalhost	t :57772/csp/sys/	op/%25CSP.UI.Portal.Dialog	g.DBActions.c	s?\$ZEN_POPUP=:	11 🏠	or all databa	se name	s starting with I	etter 'C'.	
		Mount Dat	tabase								
	Mount EHR	in the follow	ina Mode:								
	Dead	Only									
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31.											
32.Nov				Cano			er as				
shown				Udito			J				

30. Click on OK and you will now see that the Database is Mounted wherever you look. Whenever you wish to make a backup copy of your database, dismount it first and then copy it to be sure your copy will not be corrupted.

										Σ
tabases	🗶 🔮 Local Data	abases		× +						
🛞 localhost:5	7772/csp/sys/mgr/UtilSysDatabases.csp?	Recent=1			☆ ▼ C	1	Google		۶	
iost Visited 🗍 Getting Started 🔊 Latest Headlines 🛞 24th VistA Community 💽 Bookr								ookm		
cal Databa	ses		User: Un	knownUser Licer	sed to: Cac	- he Evalua	tion	In_by Int	erSystems	_
reate New Da	tabase									
ne following i	s a list of the local databases:		L	ast update: 2012-12-2	4 23:07:28.118	B 🔲 Auto				
Filter:	Page size: 20 👻 Items	found: 9								
Name	Directory	Size (MB)	Status	Resource	Encrypted	Journal				
			1	1						
CACHESYS	c:\intersystems\trycache\mgr\	170	Mounted/RW	%DB_CACHESYS	No	Yes	Edit	-	Globals	
CACHESYS CACHELIB	c:\intersystems\trycache\mgr\ c:\intersystems\trycache\mgr\cachelib\	170 324	Mounted/RW Mounted/R	%DB_CACHESYS %DB_CACHELIB	No No	Yes No	Edit Edit	-	Globals Globals	
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CACHESYS CACHELIB CACHETEMP CACHE CACHEAUDIT DOCBOOK EHR	c:\intersystems\trycache\mgr\ c:\intersystems\trycache\mgr\cachelib\ c:\intersystems\trycache\mgr\cachetemp\ c:\intersystems\trycache\mgr\cachetemp\ c:\intersystems\trycache\mgr\cacheaudit\ c:\intersystems\trycache\mgr\docbook\ c:\intersystems\trycache\mgr\docbook\	170 324 11 1 1 133 1671	Mounted/RW Mounted/R Mounted/RW Mounted/RW Mounted/RW Mounted/RW	%DB_CACHESYS %DB_CACHELIB %DB_CACHETEMP %DB_CACHE %DB_CACHEAUDIT %DB_DOCBOOK %DB_USER	No No No No No No	Yes No No Yes No No	Edit Edit Edit Edit Edit Edit Edit	- - - <u>Delete</u> <u>Delete</u>	Globals Globals Globals Globals Globals Globals Globals	
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31.Now you are ready to begin work with your database. First we are going to set the Taskman Site Parameters correctly and delete the old submanagers for Taskman. Pick the Terminal from the Cache Cube left click.

```
Node: hpTX2, Instance: TRYCACHE
USER>D ^%CD
Namespace: EHR
You're in namespace EHR
Default directory is c:\intersystems\trycache\mgr\ehr\
EHR>S DUZ=1 D ^XUP
Setting up programmer environment
This is a TEST account.
Terminal Type set to: C-VT100
You have 259 new messages.
Select OPTION NAME: ←Press Enter Here
EHR>D P^DI
VA FileMan 22.0
Select OPTION: 1 ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: NEW PERSON// TASKMAN
    1 TASKMAN MONITOR
                                          (0 entries)
```

```
TASKMAN SITE PARAMETERS(1 entry)TASKMAN SNAPSHOT(0 entrie)
       2
       3
                                          (0 entries)
  CHOOSE 1-3: 2 TASKMAN SITE PARAMETERS (1 entry)
  EDIT WHICH FIELD: ALL//
  Select TASKMAN SITE PARAMETERS BOX-VOLUME PAIR: ?
      Answer with TASKMAN SITE PARAMETERS BOX-VOLUME PAIR:
     You may enter a new TASKMAN SITE PARAMETERS, if you wish
       Answer must be 3-30 characters in length.
The value for the current account is EHR: TRYCACHE <- NOTE that this is
what you change it to
  Select TASKMAN SITE PARAMETERS BOX-VOLUME PAIR: EHR:CACHEWEB
  BOX-VOLUME PAIR: EHR:CACHEWEB// EHR:TRYCACHE
  RESERVED: ^
```

32. Now to delete the old submanagers.

```
USER>D ^%CD
Namespace: EHR
You're in namespace EHR
Default directory is c:\intersystems\trycache\mgr\ehr\
EHR>S DUZ=1 D ^XUP
Setting up programmer environment
This is a TEST account.
Terminal Type set to: C-VT100
You have 259 new messages.
Select OPTION NAME: <- Press Enter Here
EHR>D ^%G
Device: <-Press Enter Here
Right margin: 80 => [Enter]
Screen size for paging (0=nopaging)? 24 => {Enter]
For help on global specifications DO HELP^%G
Global ^%ZTSCH("SUB",
^%ZTSCH("SUB", "EHR:CACHEWEB")=0
^%ZTSCH("SUB","EHR:CACHEWEB",0)=0
Global ^
EHR>K ^%ZTSCH("SUB","EHR:CACHEWEB")
```

Note that we are in EHR:TRYCACHE now not EHR:CACHEWEB which is why this is being deleted from Tasks.

33. Click on the blue Cube again and choose Terminal. D ^%CD and switch to the EHR

namespace to create a SYSTEM MANAGER with a lot of privileges to manage and program and use CPRS. Follow along with these entries and make the entries that are in **RED**. For the Access and Verify Code, it is suggested you use all **upper case alphabetic characters** when you use characters because although CPRS has case sensitive Access and Verify codes, not all Applications for VistA do and if you try to log into them, you will be rejected until all of the conversions to case sensitive codes are made.

> USER>D ^%CD Namespace: EHR You're in namespace EHR EHR>S DUZ=1 EHR>D ^XUP Setting up programmer environment This is a TEST account. Terminal Type set to: C-VT100 You have 40 new messages. Select OPTION NAME: <=== Press Enter here EHR>D O^DI VA FileMan 22.0 Select OPTION: 1 ENTER OR EDIT FILE ENTRIES INPUT TO WHAT FILE: DRUG// 200 NEW PERSON (74 entries) EDIT WHICH FIELD: ALL// KEYS 1 KEYS (multiple) 2 KEYSTROKES FROM LM WP CHOOSE 1-2: 1 KEYS (multiple) EDIT WHICH KEYS SUB-FIELD: ALL// [Enter] THEN EDIT FIELD: CPRS TAB (multiple) EDIT WHICH CPRS TAB SUB-FIELD: ALL// THEN EDIT FIELD: PRIMARY MENU OPTION THEN EDIT FIELD: SECONDARY MENU OPTIONS (multiple) EDIT WHICH SECONDARY MENU OPTIONS SUB-FIELD: ALL// THEN EDIT FIELD: DISUSER THEN EDIT FIELD: AUTHORIZED TO WRITE MED ORDERS THEN EDIT FIELD: ACCESS CODE Want to edit ACCESS CODE (Y/N) THEN EDIT FIELD: VERIFY 1 VERIFY CODE Want to edit VERIFY CODE (Y/N) 2 VERIFY CODE never expires CHOOSE 1-2: 1 Want to edit VERIFY CODE (Y/N) THEN EDIT FIELD: PERSON CLASS (multiple) EDIT WHICH PERSON CLASS SUB-FIELD: ALL// THEN EDIT FIELD: ELECTRONIC SIGNATURE CODE THEN EDIT FIELD: RESTRICT PATIENT SELECTION THEN EDIT FIELD:

```
STORE THESE FIELDS IN TEMPLATE:
Select NEW PERSON NAME: LastName, FirstName +==your name here
  Are you adding 'LastName, FirstName' as a new NEW PERSON (the
75TH)? No// yes
  (Yes)
Checking SOUNDEX for matches.
No matches found.
  NEW PERSON INITIAL: FL
  NEW PERSON MAIL CODE: [Enter]
Select KEY: ORES {===Physician Key
 REVIEW DATE: [Enter]
Select KEY: XUPROG
    1 XUPROG
    2 XUPROGMODE
CHOOSE 1-2: 1 XUPROG
   REVIEW DATE: [Enter]
Select KEY: XUPROGMODE
 REVIEW DATE: [Enter]
Select KEY: DG SENSITIVITY
 REVIEW DATE: [Enter]
Select KEY: XUMGR
 REVIEW DATE: [Enter]
Select KEY: XUMGR// XMMGR
 REVIEW DATE: [Enter]
Select KEY:
Select KEY: [Enter]
Select CPRS TAB: COR CPRS GUI "core" tabs.
 Are you adding 'COR' as a new CPRS TAB (the 1ST for this NEW
PERSON)? No// yes
  (Yes)
 EFFECTIVE DATE: T (JUL 16, 2008)
 EXPIRATION DATE: [Enter]
Select CPRS TAB: Select CPRS TAB:
PRIMARY MENU OPTION: EVE
    1
       EVE
                  Systems Manager Menu
       EVENT CAPTURE (ECS) EXTRACT AU ECX ECS SOURCE AUDIT
     2
Event Capture
(ECS) Extract Audit
     3 EVENT CAPTURE DATA ENTRY ECENTER
                                            Event Capture Data
Entry
     4 EVENT CAPTURE EXTRACT ECXEC
                                        Event Capture Extract
     5 EVENT CAPTURE MANAGEMENT MENU ECMGR
                                               Event Capture
Management Menu
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1 EVE Systems Manager Menu
Select SECONDARY MENU OPTIONS: OR CPRS GUI CHART CPRSChart
version 1.0.26.
76
 Are you adding 'OR CPRS GUI CHART' as
   a new SECONDARY MENU OPTIONS (the 1ST for this NEW PERSON)?
No// yes (Yes)
  SYNONYM: [Enter]
Select SECONDARY MENU OPTIONS: OR CPRS GUI CHART// MANAGE MAILMAN
XMMGR
        Man
age Mailman
```

Are you adding 'XMMGR' as a new SECONDARY MENU OPTIONS (the 2ND for this NEW P ERSON)? No// yes (Yes) SYNONYM: Select SECONDARY MENU OPTIONS: [Enter] DISUSER: NO NO AUTHORIZED TO WRITE MED ORDERS: YES YES Want to edit ACCESS CODE (Y/N): Y Enter a new ACCESS CODE <Hidden>: ******** Please re-type the new code to show that I have it right: ******* OK, Access code has been changed! The VERIFY CODE has been deleted as a security measure. You will need to enter a new VERIFY code so the user can sign-on. Want to edit VERIFY CODE (Y/N): Y Enter a new VERIFY CODE: ********* Please re-type the new code to show that I have it right: ******* OK, Verify code has been changed! Select Person Class: physicians 1 PHYSICIANS Allopathic and Osteopathic Physicians 39020000X Resident, Allopathic (includes Interns, Residents, Fellows) 2 PHYSICIANS Allopathic and Osteopathic Physicians 390200000X Resident, Osteopathic (includes Interns, Residents, Fellows) 3 PHYSICIANS Allopathic and Osteopathic Physicians 204C00000X Neuromusculoskeletal Medicine, Sports Medicine PHYSICIANS Allopathic and Osteopathic Physicians 4 204D00000X Neuromusculoskeletal Medicine and OMM 5 PHYSICIANS Allopathic and Osteopathic Physicians 204E00000X Oral and Maxillofacial Surgery Press <RETURN> to see more, '^' to exit this list, OR CHOOSE 1-5: 1 Are you adding 'Allopathic and Osteopathic Physicians' as a new PERSON CLASS (the 1st for this NEW PERSON)? No// Yes Effective Date:// T Expiration Date: <=== just hit enter here</pre> ELECTRONIC SIGNATURE CODE: <Hidden>// ****** <===it will not be hidden when you type it the first time

34. Finally, put an up caret (often called and up arrow) until you get back to the OPTION prompt. At the option prompt, enter 5 for Inquire Into File Entry. At output from what file

just hit enter because you are already in the New Person File. At the Select New Person Name, Enter your name. At Another One, Hit Enter and for Standard Caption output, enter Y and for Computed fields, put B for both. The response will be a page full of data showing the entries you have made and at the upper left hand corner will be a number called the DUZ, which is the internal entry number for that user. Back out to the EHR prompt and enter S DUZ= and then put the number you found in the steps above. The at the prompt type this CAREFULLY

S \$P(^VA(200,DUZ,0),"^",4)="@"

Here is how it all looks for the user we just set up:

Select NEW PERSON NAME: ^ Select OPTION: 5 INQUIRE TO FILE ENTRIES OUTPUT FROM WHAT FILE: NEW PERSON// Select NEW PERSON NAME: LASTNAME, FIRSTNAME FL ANOTHER ONE: STANDARD CAPTIONED OUTPUT? Yes//[Enter] (Yes) Include COMPUTED fields: (N/Y/R/B): NO// BOTH Computed Fields and Record Number (IEN) DISPLAY AUDIT TRAIL? No//[Enter] NO NUMBER: 74 **E===THIS IS THE NUMBER YOU NEED** NAME: LASTNAME, FIRSTNAME INITIAL: LF ACCESS CODE: <Hidden> DISUSER: NO DATE VERIFY CODE LAST CHANGED: APR 10,2005 DATE ENTERED: JUL 16, 2008 VERIFY CODE: <Hidden> CREATOR: WVEHR, PATCH INSTALLER Entry Last Edit Date: JUL 16, 2008 NAME COMPONENTS: 200 SIGNATURE BLOCK PRINTED NAME: LASTNAME, FIRSTNAME GIVEN BY: WVEHR, PATCH INSTALLER KEY: XUPROG DATE GIVEN: JUL 16, 2008 KEY: XUMGR GIVEN BY: WVEHR, PATCH INSTALLER DATE GIVEN: JUL 16, 2008 KEY: XUPROGMODE GIVEN BY: WVEHR, PATCH INSTALLER DATE GIVEN: JUL 16, 2008 KEY: ORES GIVEN BY: WVEHR, PATCH INSTALLER DATE GIVEN: JUL 16, 2008 KEY: DG SENSITIVITY GIVEN BY: WVEHR, PATCH INSTALLER DATE GIVEN: JUL 16, 2008 PRIMARY MENU OPTION: EVE SECONDARY MENU OPTIONS: OR CPRS GUI CHART TIMESTAMP: 61193,56544 Enter RETURN to continue or '^' to exit: CPRS TAB: COR EFFECTIVE DATE: JUL 16, 2008

```
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```

```
CPRS TAB: RPT EFFECTIVE DATE: JUL 16, 2008

AUTHORIZED TO WRITE MED ORDERS: YES

DATE ACCESS CODE LAST CHANGED (c): JUL 16,2008

PROVIDER KEY (c): 0

Select NEW PERSON NAME:

Select OPTION:

EHR> S DUZ=74 <=== This must be set to the number you got above(in bold)

EHR> S $P(^VA(200, DUZ, 0), "^", 4)="@"
```

35. Now we will use the menu system to start Taskman, The Background filer and the Broker Listener. First Taskman is started.

```
EHR>D ^XUP
Setting up programmer environment
This is a TEST account.
Select TERMINAL TYPE NAME: C-VT100
    1 C-VT100 Digital Equipment Corporation VT-100
video
2 C-VT100HIGH Normal display of characters in BOLD !
CHOOSE 1-2: 1 C-VT100 Digital Equipment Corporation VT-100
video
Terminal Type set to: C-VT100
Select OPTION NAME: EVE
    1 EVE Systems Manager Menu
     2
        EVENT CAPTURE (ECS) EXTRACT AU ECX ECS SOURCE AUDIT Event
Capture
(ECS) Extract Audit
     3 EVENT CAPTURE DATA ENTRY ECENTER Event Capture Data Entry
       EVENT CAPTURE EXTRACT ECXEC Event Capture Extract
     4
       EVENT CAPTURE MANAGEMENT MENU ECMGR Event Capture
     5
Management Menu
Press <RETURN> to see more, `^' to exit this list, OR
CHOOSE 1-5: 1 EVE Systems Manager Menu
WARNING - TASK MANAGER DOESN'T SEEM TO BE RUNNING !!!!
Select Systems Manager Menu Option: taskman Management
WARNING - TASK MANAGER DOESN'T SEEM TO BE RUNNING !!!!
Select Taskman Management Option: taskman Management Utilities
Select Taskman Management Utilities Option: restart Task Manager
ARE YOU SURE YOU WANT TO RESTART TASKMAN? NO//yes (YES)
```

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Restarting...TaskMan restarted!

37. Now check if Taskman is running correctly by typing MON at the Prompt. If it does not look something very much like this, your taskman site prameters are probably wrong because you are using Cache instead of Cacheweb. Refer to the Addendum for how to fix that if you have this problem. However, if you run MON quickly, you may get the initial Startup Hang that looks like this:

Select Taskman Management Utilities Option: MONitor Taskman Checking Taskman. Current \$H=62815,86374 (Dec 24, 2012@23:59:34) RUN NODE=62815,86370 (Dec 24, 2012@23:59:30) Taskman is current.. Checking the Status List: Node weight status time \$J EHR: TRYCACHE RUN T@23:59:30 5356 Startup Hang Checking the Schedule List: Taskman has 26 tasks scheduled. All of them are overdue. First task is 26644372 seconds late. Checking the IO Lists: There are no tasks waiting for devices. Checking the Job List: There are no tasks waiting for partitions. For EHR:CACHEWEB there are 0 tasks. Out Of Service Checking the Task List: There are no tasks currently running. Checking Sub-Managers: On node EHR: TRYCACHE there are no free Sub-Manager(s). Status: Run Enter monitor action: UPDATE// Press Enter here until you see Main Loop Checking Taskman. Current \$H=62816,223 (Dec 25, 2012@00:03:43) RUN NODE=62816,212 (Dec 25, 2012@00:03:32) Taskman is current.. Checking the Status List: Node weight status time \$J EHR:TRYCACHE RUN T@00:03:32 5356 Main Loop Checking the Schedule List: Taskman has 11 tasks scheduled. None of them are overdue. Checking the IO Lists: There are no tasks waiting for devices. Checking the Job List: There are no tasks waiting for partitions. For EHR:CACHEWEB there are 0 tasks. Out Of Service Checking the Task List: There are no tasks currently running.

```
Checking Sub-Managers:
On node EHR:TRYCACHE there is 1 free Sub-Manager(s). Status: Run
Enter monitor action: UPDATE// ^ To get out once you see Main Loop
```

- 38. You will probably need to edit the routine %ZOSV if you are using the Single User Version of Cache or you will be kicked out when you log in because there are not enough licenses remaining open for Cache and VistA trying to prevent you from being locked out of being able to access VistA with Cache because you do not have enough licenses left. See the Addendum to this document ADDENDUM EDITING %ZOSV IN THE SINGLE USER VERSIONS OF CACHE.
- 39. Type and up caret (up arrow) to get out and hit enter until you get back to the System Management menu and then type OP for Operations management, then RPC for RPC Broker and the Start like this.

Enter monitor action: UPDATE// ^ Select Taskman Management Utilities Option: //[Enter] Select Taskman Management Option: // [Enter] Select Systems Manager Menu Option: OPerations Management Select Operations Management Option: RPC Broker Management Menu Select RPC Broker Management Menu Option: Start All RPC Broker Listeners (WAIT HERE) Task: RPC Broker Listener START on EHR-EHR:TRYCACHE, port 9211 has been queued as task 128

40. Note that if you type a ?, a ??, or a ??? at the prompt you will be given all of the menu choices associated with a prompt plus sometime considerably more information about the options.

Select RPC Broker Management Menu Option: ?

RPC Listener Edit Start All RPC Broker Listeners Stop All RPC Broker Listeners Clear XWB Log Files Debug Parameter Edit View XWB Log

Enter $\ref{eq:constraint}$ for more options, $\ref{eq:constraint}$ for brief descriptions, <code>?OPTION</code> for help text.

Select RPC Broker Management Menu Option: ??

RPC Listener Edit [XWB LISTENER EDIT] Start All RPC Broker Listeners [XWB LISTENER STARTER] Stop All RPC Broker Listeners [XWB LISTENER STOP ALL] Clear XWB Log Files [XWB LOG CLEAR] Debug Parameter Edit [XWB DEBUG EDIT] View XWB Log [XWB LOG VIEW]

You can also select a secondary option:

Or a Common Option:

	Halt [XUHALT]
	Continue [XUCONTINUE]
	Restart Session [XURELOG]
MM	MailMan Menu [XMUSER]
VA	View Alerts [XQALERT]
VER	Voe Version Text [VOE VERSION]
	Time [XUTIME]
	User's Toolbox [XUSERTOOLS]
	Where am I? [XUSERWHERE]

Select RPC Broker Management Menu Option: ???

- 'Clear XWB Log Files' Option name: XWB LOG CLEAR This option allows the user to clear (KILL) the XWB log files.
- 'Debug Parameter Edit' Option name: XWB DEBUG EDIT This option allows the editing of the BROKER debug parameter.
- 'RPC Listener Edit' Option name: XWB LISTENER EDIT This option allows for editing the RPC BROKER SITE PARAMETERS file (#8994.1).

'Start All RPC Broker Listeners' Option name: XWB LISTENER STARTER This option will Start/Restart all the RPC Broker listeners under the control of the RPC BROKER SITE PARAMETERS file. It is normally setup as a STARTUP type option in the taskman option scheduling file. This option will first STOP ALL listeners and then START ALL the listeners through Taskman. (VMS sites need to be running Taskman in DCL context). The XWB LISTENER STARTER cannot be used to start one particular listener. To do this, in programmer mode, use STRT^XWBTCP(portnumber) on the node the listener needs to run on. Or use the XWB LISTENER EDIT option to change the status of the one listener. **> Press 'RETURN' to continue, '^' to stop, or '?[option text]' for more

help:

41. Now select Manage Mailman from the System Manages Menu.

Select Systems Manager Menu Option: MANAGE MAILMAN

Select Manage Mailman Option: ? Check MailMan Files for Errors Create a Mailbox for a user Disk Space Management ... Group/Distribution Management ... Local Delivery Management ... MailMan Site Parameters Network Management ... New Features for Managing MailMan Remote MailLink Directory Menu ... Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text. Select Manage Mailman Option: Local Delivery Management Select Local Delivery Management Option: start background filer << Background Filers will start soon. >> Select Local Delivery Management Option:

42. Now is the time for what may be close to the greatest moment in your VistA experience, the first time you get CPRS to connect. Go to <u>https://sourceforge.net/projects/worldvista-ehr/files/WorldVistA_EHR_2.0/</u> and download CPRSChart_27.90ForWVEHR-2.0-Ver10-12-Files.zip Unzip this CPRS specific for WorldVistA EHR 2.0 and place the files in C:\Program Files\ Create a shortcut to the CPRS*exe file and drag it to wherever you would like it to be. Edit the target line adding what you see below – i.e., S=127.0.0.1 P=9211 CCOW=Disable showrpcs. Click on Apply and OK.

Z CPRSChart_27	.90ForWVEHR-2.0-Ver10)-12 - Shortcut 🗙								
Security General	Details Shortcut	Previous Versions Compatibility								
r 🔁 cr	CPRSChart_27.90ForWVEHR-2.0-Ver10-12 - Shortcut									
Target type:	Application									
Target location:	CPRS									
Target:	e" s=127.0.0.1 P=9211 C	COW=disable showrpcs								
Start in:	"C:\Program Files\VistA\0	CPRS"								
Shortcut key:	None									
Run:	Normal window	•								
Comment:										
Open File L	Change Icon	Advanced								
	ОК	Cancel Apply								

43. Now double click on the shortcut and enter the access and verify codes where indicated, all caps.

🖉 VISTA Sign-on					- 0 %	
	WorldVis	tA EHR 2.0			A	
	Access is monitored and restricted.					
No unauthorized access will be permitted.						
IMPORTANT FOR ALL PROVIDERS:						
All drugs that the provider may need must be entered into the database BEFORE THE PROVIDER PRESCIBES THEM from WorldVistA EHR.THE DRUG FILE INCLUDED HAS NOT BEEN PREVIOUSLY RELEASED. IT IS ALWAYS IMPERATIVE THAT ANY AND ALL DRUG ORDERS AND PRESCRIPTIONS BE CAREFULLY REVIEWED BY THE PRESCRIBING PHYSICIAN AND DISPENSING PHARMACIST TO INSURE ACCURACY. IF PROBLEMS ARE FOUND, PLEASE REPORT THEM HERE						
INFO@WORLDVISTA.ORG OR http://trac.opensourcevista.net/worldvistaehr						
Please see this link for information about entering new drugs and drug doseages:						
<pre><http: <="" ehr="" license-and-readme="" pre="" readme%20-%20wor="" vista="" world="" worldvista.org=""></http:></pre>						
Access Code:						
		X <u>C</u> ancel				
Change Verify Code						
Server: hpTX2	Volume: EHR UCI:	EHR Port /	/./nul:4324			

44. When you are done, you will need to reverse the process. Stop the background filers, then the RPC Broker, then Taskman .

```
EHR>D ^XUP
Setting up programmer environment
This is a TEST account.
Terminal Type set to: C-VT100
Select OPTION NAME: MANAGE MAILMAN XMMGR Manage Mailman
Select Manage Mailman Option: local Delivery Management
Select Local Delivery Management Option: stop background filer
Are you sure you want the Background Filers to stop delivering mail? No//
yes Y
ES
```

Select Local Delivery Management Option: [Enter] Select Manage Mailman Option: [Enter] Do you really want to halt? YES//NO EHR>D ^XUP Setting up programmer environment This is a TEST account. Terminal Type set to: C-VT100 Select OPTION NAME: EVE Systems Manager Menu 1 EVE 2 EVENT CAPTURE (ECS) EXTRACT AU ECX ECS SOURCE AUDIT Event Capture (ECS) Extract Audit 3 EVENT CAPTURE DATA ENTRY ECENTER Event Capture Data Entry 4 EVENT CAPTURE EXTRACT ECXEC Event Capture Extract 5 EVENT CAPTURE MANAGEMENT MENU ECMGR Event Capture Management Menu Press <RETURN> to see more, '^' to exit this list, OR CHOOSE 1-5: 1 EVE Systems Manager Menu Select Systems Manager Menu Option: operations Management Select Operations Management Option: rpc Broker Management Menu Select RPC Broker Management Menu Option: stop All RPC Broker Listeners Task: RPC Broker Listener STOP on EHR-EHR:CACHEWEB, port 9211 has been queued as task 137 Select RPC Broker Management Menu Option: [Enter] Select Operations Management Option: [Enter] Select Systems Manager Menu Option: taskman Management Select Taskman Management Option: taskman Management Utilities Select Taskman Management Utilities Option: stop Task Manager Are you sure you want to stop TaskMan? NO// yes Shutting down TaskMan. Should active submanagers shut down after finishing their current tasks? NO// yes Okay! Select Taskman Management Utilities Option: [Enter] Select Taskman Management Option: [Enter] Select Systems Manager Menu Option: [Enter] Do you really want to halt? YES//[Enter]

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Select Systems Manager Menu Option: Do you really want to halt? YES//

ADDENDUM RE LICENSED VERSION OF CACHE:

If you installed using Cache instead of Cacheweb, you will need to edit the Taskman site Parameters. It is important to SELECT the ones to edit and then change them. You SELECT what is in BLUE and change it to what is in GREEN. You should also not edit %ZOSV.

EHR>D Q^DI VA FileMan 22.0 Select OPTION: 1 ENTER OR EDIT FILE ENTRIES INPUT TO WHAT FILE: NEW PERSON// Taskman SITE PARAMETERS (1 entry) EDIT WHICH FIELD: ALL// Select TASKMAN SITE PARAMETERS BOX-VOLUME PAIR: ? Answer with TASKMAN SITE PARAMETERS BOX-VOLUME PAIR: EHR:CACHEWEB You may enter a new TASKMAN SITE PARAMETERS, if you wish Answer must be 3-30 characters in length. The value for the current account is EHR:CACHE Select TASKMAN SITE PARAMETERS BOX-VOLUME PAIR: EHR:CACHEWEB

ADDENDUM EDITING %ZOSV IN THE SINGLE USER VERSIONS OF CACHE, i.e., TryCache version

BOX-VOLUME PAIR: EHR:CACHEWEB// EHR:CACHE

Go to the Cache cube and click Studio. Under File choose change namespace and choose your namespace. The under file choose Open, enter ZOSV* and open that file.

A UnknownUser - TRYCACHE/EHR-Default Studio	
File Edit View Project Build Debug Tools Utilities Window Help	
: 🎦 📸 💭 🚭 🖸 🖸 🔉 🛦 🛍 🥙 🝽 🔳 🚳 🚭	- 🤌 📇 💁 🌒 🗈 🕹 : 🔜 🕨 💷 💷 🛼 🗺 🄇
Cache Connection Manager Select a Cache server and namespace from the list and enter your username and password. Server: TRYCACHE (localhost[1972]) Connect Namespace: 2SYS DOCBOOK BER USER OK Cancel	Workspace X Image: Classes Image: Classes Image: Classes Image: Classes <
Watch Name Value I ← → H Watch 1 / Watch 2 / Watch 3 / Watch 4 / Call Stack / [] ←	
Output	× × * *
Ready	CAP NUM OVR READ at

Click on Studio in the Cache Cube, then File, Change Namespace

A UnknownUser - TRYCACHE/EHR-Default Studio						
File Edit View Project Build Debug Tools Utilities Window Help						
	n 🖹 🛃 🕻					
X Workspace	▼ ×					
Default_(TRYCACHE:E	(R)					
Look in: EHR V Casses						
B A1820Mint B A1820SR3/m B A1821TLint B A10XC7 int B A00A0Print B B A1820GLint A 1820SR4/mt B A1820TLint B A182CK5/mt B A00A0Print B B A1820GLint A 1820TLint B A1820SI B A182/Simit B A182/Simit B A00A0Print B B A1820GLint A 182/TLint B A182/Simit B A182/Simit B A00A0Print B B A182MS/Fint B A182/Simit B A182/Simit B A182/Simit B A00A0Print B B A182MUT M A182/Simit B A182/Simit B A0A00EC/mt B B A0A00EC/mt B B A182MUT M A182/Simit B A182/Simit B A0A00E/Simit B A0A00EC/mt B B A182MUT M A1820Int B A17KC1/mt B A0A00E/Simit B A0A00E/Simit B B A182MUT.int B A182/Simit B A182/Simit B A0A00E/Simit B A0A00E/Simit B B A182MEG.int B A182/Simit B A182/Simit B A0A00E/Simit B A0A00E/Simit B B A182/Simit B A182/Simit B A182/Simit B A0A00E/Simit B A0A00E/Simit B B B A182/Simit </th <th></th>						
Files of times						
Cancel Cancel Copen as read-only Add to Project Include System Items Show Generated						
Watch	▼ ×					
Name Value						
K 4 F H Watch 1 / Watch 2 / Watch 3 / Watch 4 / Call Stack /	Þ					
Outout ***						
	Â					
Result / Find In Files /	- F					
caP NUM OVR READ						

Go to File, Open, and Type in %ZOSV.int and click Open

A UnknownUser-TRYCACHE/EHR/%ZOSV.int - UnknownUser - TRYCACHE/EHR-Default Studio	
File Edit View Project Build Debug Tools Utilities Window Help	
: 1), 123, 1, 2, 2, 3, 1, 2, 1,	🦻 👑 💁 🎯 👩 🥹 🤅 🛼 🕨 💷 💷
₫ 🕷 %ZOSV.int ▷ 🗙	
<pre>WinknownUserTRYCACHE/EHR/%ZOSVint WinknownUserTRYCACHE/EHR/%ZOSVint WinknownUserTRYCACHE/EHR/%ZOSVint N # AVJ,V,ZOSV,SET S V=+\$SYERSION() ;Cache 3 and 4 ;maxpid: from %SS I V<5 D Q AVJ . N PORT,T,X,MAXPID,IMPLIM . S SET="",MAXPID_SV(SZU(40,2,118),-2,4) . X "S ZOSV=SZU(5),%=SZU(5,"*%SYS") S LMFLIM=\$\$inquir . ;Add together the enterprise and division licenses a . S X=\$F(LMFLIM,";",2)+\$P(SP(IMFLIM,"!",2),";",2) . S T=+LMFLIM+\$P(LMFLIM,"!",2);Check the license tota . S AVJ=\$S(T<maxpid:x,1:maxpid_sactj);return "s="" .="" 15="" 5.0="" ;="" ;return="" ;to="" <="" available="" avj='\$ystem_License.LUAvailable()"' cache="" d="" fixed="" from="" get="" i="" jobs="" known="" not="" pre="" q="" sma="" the="" up="" v'<5="" value="" version="" x=""></maxpid:x,1:maxpid_sactj);return></pre>	Default_(TRYCACHE:EHR) Default_(TRYCACHE:EHR) Classes Routines Veroject_Windows_Namespac Code Snippets Code Scipt DoWhile For T Inspector - %205V V Name Value Name Value Name Value Cache Date on server Compile Time 2012-12:14 14:43.0- 2012-12:14 14:43.0-
1	- ×
Name Value	· · · · · · · · · · · · · · · · · · ·
K (→ H \Watch 1 / Watch 2 / Watch 3 / Watch 4 / Call Stack / [] (Output	× ×
Iq q → pi \ Result / Find In Files /	
Ready Lin	e 1/170 Col 1/70 CAP NUM OVR READ

Scroll Down to the Tag AVJ



After ;Get available jobs for Cache 5, comment out the lines with semicolons that need to be indented 1 or 2 space from the left (like other comments in the file as shown below above.



Then choose to compile the routine which sill show Compilation finished successfully as shown above.

