

EMR Evaluation Version Is Still Around!

How To Get It Running For Development

BO6_06

About me

- ▶ Began working with Centricity EMR in 2006 for the University of Oklahoma - Tulsa in their Medical Informatics department.
- ▶ Eventually was the lead for Centricity support and content development, defacto Oracle and SQL Server “DBA”, installed Centricity Service Packs and Upgrades, upgraded and updated CCC content, worked with Document Management, eRx, Qvera, PM 2004, Crystal Reports, and many other systems.
- ▶ Moved to Arizona in 2016 and began working for Logical Innovations, LLC.
- ▶ I install, upgrade, train, and create content for Visual Signature Capture. Support Visual Form Editor and create custom content for customers. Write custom SQL queries for customers.



Still the top poster on the CHUG Forums! (as of 8/14/2019)

TOP POSTERS

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Why use EMR Evaluation Version (9.8)?

Pros:

It's right here on my PC. All self-contained. I don't have to have access to any other servers. I don't even have to be on a network.

I can test immediately. I don't have to put my file on a network share that my Test system can see and then start a remote session to connect to Test.

Test system!?! What Test system???

Trace file right on my PC.

Cons:

It's old and out of date and never going to be updated.

It isn't CPS.

Because it is out of date, some new MEL symbols aren't available.

Always a chance some existing MEL symbols won't work like they do in Production.

My form might not look exactly like it will in my Production system.

Doesn't support the latest CCC Basic version.

Where to get the software

The athenahealth customer portal still has the EMR Evaluation Version for download. You must be a registered user to access the portal.

<https://centricity.athenahealth.com>

To browse to the download page, you must have access to the EMR Community.

The download link is not accessible if you only have access to the Centricity Practice Solution Community.

Choose Product Downloads, Core Product Downloads, CEMR 9.8.8

You will see two links under the heading Centricity EMR 9.8 Evaluation Kit

[CEMR 9.8 Evaluation Kit Release Notes](#) (zip 958mb) (This is the software)

[CEMR 9.8 Evaluation Kit Installation Instructions](#) (PDF)

That being said...

You may be able to get there if you only have the CPS Community:

https://centricity.athenahealth.com/s/hcd-resourceinfo/a1f0f000003NreLAAS/cmp00214#cemr_9.8.8

The URL to access the software download outside the portal is:

<https://private.filesanywhere.com/fs/v.aspx?v=8a7266ca94a8b0b1b068&C=2730>

The URL to get the installation instructions is inside the patient portal. You may be able to get there if you only have the CPS Community.

<https://centricity.athenahealth.com/s/hcd-librarypage?Id=0680f000004uR9yAAE>

Installation Highlights

Defaults are good except you should check the LinkLogic box when offered as an additional feature.

New Services installed - JBoss Application Server and OracleServicesut90.
OracleJobSchedulersut90 installed but not running.

New Start Menu folder - Centricity EMR 9.8 Evaluation.

ODBC Data Sources (32-bit) have no entries currently.

Use the EMR Evaluation shortcut to start the program. Startup, after putting in user credentials, will ask for a LinkLogic folder - C:\Program Files (x86)\Centricity EMR 9.8 Evaluation\llogic\

You will receive a system error with details about being unable to make service calls, server is down or unavailable. Close that error, choose Retry from the other error box and the program shuts down. ODBC Data Sources have been created.

How to get it to run on Windows 10

There are two things you need to do to get the software to start correctly.

The first is to update the server.xml file in the JBoss installation. This is an update GE (remember them?) posted in June of 2016. This file can be found at:

C:\Program Files (x86)\Centricity EMR 9.8 Evaluation \jboss\server\default\deploy\jbossweb.sar\

Search the CHUG forums for the word Evaluation and find the post “Anyone have CEMR 9.8 Evaluation working on Win 10 Version 1607”

<https://forum.centricityusers.com/forum/anyone-have-cemr-9-8-evaluation-working-on-win-10-version-1607/>

My reply from May 31st will give you the line to change and what to change it to. Remember the line starting with ciphers= is all one line - no breaks. Save the changes.

The second is to copy everything in the Oracle\bin directory into the jboss\jsw directory.

THEN RESTART THE JBOSS SERVICE! Note: Watch Task Manager - JBoss takes quite a while to load. Watch for the CPU on Java to finally fall under 50%.

Running Evaluation Version

There are two services that enable Evaluation Version (EV) to run:

JBoss Application Server

OracleServiceut90 (Oracle Database)

Make sure they are running.

Start the program with the EMR Evaluation shortcut in the Centricity EMR 938 Evaluation Start Menu folder

EMR must be started once for the ODBC connections to be created on your system.

The two user ID's most commonly used are hwinston and htopper - both have the default password of asdf. Password is case sensitive.

When you log in the first time, go to Go, Setup, Settings (equivalent of CPS Administration) and expand Users and click on Users. Search for the user you logged in with (Topper or Winston) and click Change. Give yourself the EMR Manager role and click OK.

Running Evaluation Version (cont'd)

Next, click the Privileges tab (still in Settings) and make sure the user is your user. Expand the Document Signature folder and click All Documents - SIGN. You maybe want to give yourself more privileges on this screen.

Expand System in the left-hand menu tree and choose Security. In the Login/Logout box - set all the values to 0 (unlimited time)

In the Passwords box, set all the values to 0 (no expiration or password length requirement). Make sure the other boxes in that section are unchecked.

In Administrator Message, either remove or change the default message. This is a pop-up you see when you first log in. Mine says:

Logical Innovations Demo System

There is no save button on this screen. Most settings in the Settings menu take effect immediately.

Making EV like Production

The first thing to do is import the Factory Observation Terms kit. This can be downloaded from the athenahealth portal and CPS and EMR are the same. You probably (hopefully) have it on your network already.

In Settings under System, choose Import Clinical Kits. Browse to the Observation Terms clinical kit and import it. It will take a few minutes and the system will seem unresponsive.

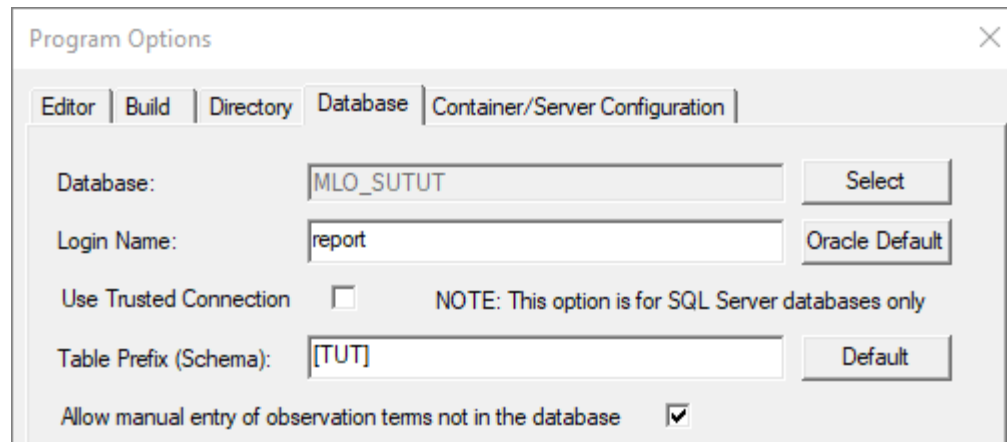
If your site has ordered Custom Observation Terms, you need to import those Clinical Kits also.

For any other content you want to make like Production, the best way is to export the Clinical Kit from Production and Import it into EV.

FYI - to get your Encounters set up, you should set up any custom Document Types (Settings/System/Edit Document Types), then import Forms and Text Components, then Document Templates, then Encounter Types. Otherwise you will get errors about missing items.

Connecting Visual Form Editor

If you already have VFE connected to another database this is what your Tools, Options, Database tab should look like to change it to your EV installation. Remember, you must run EV first to create the ODBC connection VFE uses.

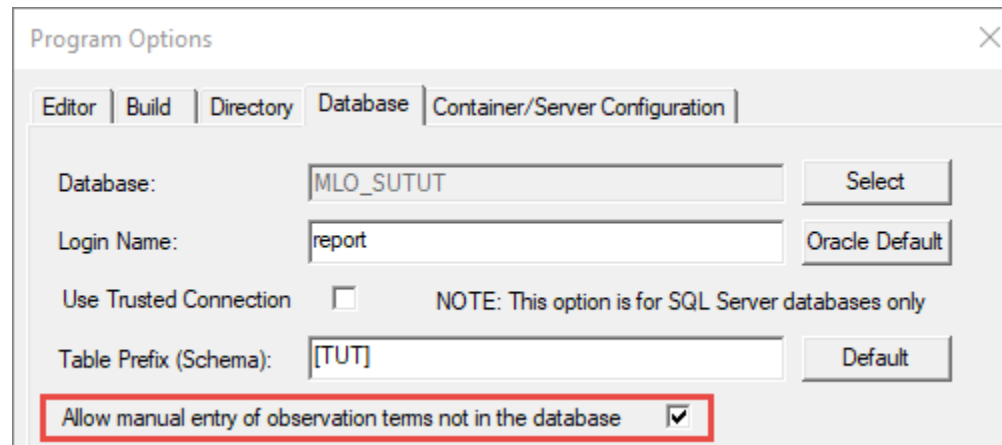


If you are installing and running VFE for the first time, you will be prompted to choose a database connection. Choose MLO_SUTUT. If your screen doesn't look like this click the Oracle Default button.

Connecting Visual Form Editor (cont'd)

If you, for whatever reason, can't get observation terms loaded, or have ordered custom observation terms and they haven't come in yet, you can check this box:

“Allow manual entry of observation terms not in the database”



This will allow you to use observation terms that haven't been loaded. You will still be prompted to choose whether you want to change to an observation in the database when you use one that isn't present. Make sure of your spelling and click No if you want to use the “missing” observation term.

Installing CCC Content

If your site uses CCC Content, you can install it in EV.

On the athenahealth portal, from either the CPS or CEMR Communities, click on “All Resources & Products”

Choose “Centricity Clinical Content”. It is under the Resource Page column under Downloads at the right of the page.

Scroll down until you find “Basic Package v1.4”. The CPS Community will say CPS 12 Only. The CEMR Community will say EMR 9.8 Only.

Download the zip file and the Release Notes. The Release Notes have installation instructions.

During Step 1 where you copy files to the client folder, the path will be:

`C:\Program Files (x86)\Centricity EMR 9.8 Evaluation`

During Step 3 where you copy files to the HTML folder, the path will be :

`C:\Program Files (x86)\Centricity EMR 9.8`

`Evaluation\jboss\server\default\deploy\Default.ear\CentricityPracticeWS.war`

Installing CCC Content (cont'd)

You will want to edit two files. The first is the CCCQE-User_Edit-Setup.txt file in the CCC folder. Add the EV users you will log in with into this section so you can use the built-in CCC editing files:

```
// Authorized TFE Users:  
// This function must return the value of 1 for the user to be authorized.  
// For any and all users to use the "CCC Text File Editor", simply place the  
// number 1 between the curly brackets.  
// Otherwise, a conditional statement will be needed to limit the use of this  
// encounter form.
```

```
fn ccc_TFE_authorized_users()  
{  
  cond  
  case user.loginname="hwinston" return 1  
  case user.loginname="kstarr" return 1  
  case user.loginname="htopper" return 1  
  
  else return ""  
endcond  
}
```


Installing CCC Content (cont'd)

The second is in the CLINICFOLDER folder. Edit the CCC-fndef-Load-supplemental.ccc file. Change the `_ccc_supplemental_view_popup_switch` global variable from “yes” to “no”.

This keeps the “All files have loaded successfully” popup from occurring when EV loads at the CCC content at startup.

CEMR for CPS Users

Go, Setup, Settings instead of Administration.

No Billing, Scheduling, anything Financial other than Insurance.

Registration is the Reg button in the button bar menu across the top.

Menu buttons across the top rather than down the left edge.

Instead of New Document, click the Update button.

To set up Quick Text, choose Options from the top menu and then Quick Text.

If you want to set up LinkLogic, it has its own menu folder in Go, Setup, Settings rather than under System.

Import and Export Clinical Kits are inside and at the bottom of the System folder. They aren't listed alphabetically.

To file a document in error, highlight the document and from the top left menu, choose Actions, Document, File in Error (at the bottom of the fly-out menu).

Tracing shortcut keys are the same, but you can also turn on tracing from the menu using Options, Tracing. Choose what type of trace, click Start, and then Save and Close. You can also redirect the tracing file. Trace file is in `C:\Users\loginid\AppData\Roaming` by default.

Handy 3rd Party Tools for Developers

I can't live without Notepad++. Though Visual Form Editor has incorporated the same engine as this program, so you do have color coding, collapsible code blocks, hotkeys, etc., I still do some coding in this. And I use it to develop FreeMarker code for Visual Signature Capture (VFE Templates).

User Defined Languages is one of my favorite features. You can download my setup from:

<https://1drv.ms/u/s!Anw0VMiEINvzgpRRgBdAzjOF6-yuDw?e=7ZN3D6>

Store this file in C:\Users\loginID\AppData\Roaming\Notepad++

The Plugins I use the most are Compare, NPPFavorites, and Poor Man's T-SQL Formatter (for SQL queries that I get from another source).

Fileseek is a powerful search tool. You can search for files, folders, and content inside files. Lot of filtering options.

WinMerge - another compare tool that integrates into Windows. Handy for comparing the contents of two folders or files you may not want to use Notepad++ Compare to look at.

Handy 3rd Party Tools for Developers (cont'd)

When querying, just remember, that unlike the CPS SQL database, the database is case sensitive. So write queries like this:

```
Select * from OBSHEAD where upper(DESCRIPTION) like '%PAIN%'
```