RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Emergency Department Dashboard

(BEDD)

Installation Guide and Release Notes

Version 2.0 Patch 7
July 2023

Office of Information Technology
Division of Information Technology

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Preface

The purpose of this manual is to provide the user with the information required to install v2.0 Patch 7 (BEDD v2.0p7) of the IHS Emergency Department Dashboard (EDD).

1.0　　Release Notes

The EDD is a tool that electronically enables facilities to run and manage their emergency and or urgent care clinics. The EDD is dependent on the Resource and Patient Management System (RPMS) Emergency Room System (AMER) in the AMER namespace. EDD was built on the AMER foundation to enhance patient flow and provider communication.

EDD can run as a standalone icon on the staff computer or can be accessed from within the RPMS Electronic Health Record (EHR) application.

EDD gets its data and updates from one of four ways: AMER, Dashboard Edit, or EHR data or a combination of all three.

2.0   Installation Notes

Prefix: BEDD

Current Version: 2.0 p7

2.1   Contents of Distribution

The BEDD v2.0p7 distribution has the following items documented in Table 2-1: Contents of Distribution.

Table 2-1: Distribution contents

File	Description
bedd0200.07xml.zip (containing bedd0200.07.xml)	Ensemble XML import file
bedd0200.07k	KIDS file
bedd0200.07i.pdf	Installation Guide and Release Notes (this document)
bedd0200.07n	Patch notes
bedd0200.07u.pdf	User Guide
bedd0200.07t.pdf	Technical Manual

2.2   Required Resources

2.2.1   General Information

Table 2-2 shows the prerequisite patch requirements to install BEDD Version 2.0, Patch 7.

Table 2-2: Prerequisite patch requirements

Package and Version	Associated Patch Designation(s)	Brief Patch Description
Veterans Administration (VA) FileMan (DI)	Patch 1020	The version 22.0 patch 1020 release.
VA Kernel (XU)	Patch 1020	The version 8.0 patch 1020 release.
AMER version 3.0	Patch 13	Contains AMER changes needed to implement the features in BEDD version 2.0 Patch 7.
IHS EMERGENCY DEPARTMENT DASHBOARD 2.0	Patch 6	Previous BEDD iteration release containing enhancements and bug fixes.

2.2.2   System Requirements

Table 2-3 shows the versions of other packages that should be installed for the BEDD application to work properly. These packages have not been marked as required for this release as they will have already been installed because they were required for a previous AMER or BEDD release.

Table 2-3: Module requirements

Module	Minimum Version
IHS/VA Utilities (XB)	v3.0 through Patch 11
Patient Care Component PCC Data Entry (APCD)	v2.0 through Patch 10
IHS PCC Suite (BJPC)	v2.0 Patch 20
EHR 1.1	v1.1 Patch 32
Lexicon Utility (LEX)	v2.0 Patch 1003
Ensemble	v2012.2.5
VUECENTRIC FRAMEWORK 1.1V2	1.1V2

2.3   Before You Begin: Installation Issues

The HealthShare import file (bedd0200.07.xml) is being delivered in a zipped (compressed) format. It has been determined that transferring the file in an uncompressed format will corrupt it so that it will not import properly into HealthShare. Therefore, when retrieving the file, do not extract the file from its zipped state until it has been placed directly into the desired import folder.

3.0   Installation Instructions

Installation of BEDD v2.0p7 requires the installation of two builds. The first build that needs to be installed is an XML release that needs to be imported into HealthShare first. Following the XML installation will be a standard KIDS build installation.

3.1   Disk Space

With BEDD v2.0p7, no significant extra disk space is needed on the server to install the Cache Server Page (CSP) file contained in the bedd0200.07.xml file. Additional storage space will be needed to store patient information entered through the EDD.

3.2   Pre-installation

Before installing the BEDD application, the following items should be completed (in no order):

- If possible, initially load the software into a test account, then into the production account.

- Refer to the sample installation instructions for the applicable prompts and user responses. User responses appear in bold type.

- Ensure the other required applications have been installed.

3.3   Post-installation Instructions

3.3.1   Configuring BEDD to Run in Microsoft Edge

The previous Patch 6 installation enabled the ED Dashboard to run in Microsoft Edge. If a new server is being set up or if issues running the ED Dashboard in Microsoft Edge occur, please see the configuration steps found in Section 5.0 to enable the ED Dashboard to work properly.

4.0   Sample Installations

There are two builds to be installed with this release, an XML build and a KIDS build. For the installation to be completed successfully, the KIDS build must be installed after the XML build. A post install step in the KIDS build compiles information delivered in the XML build so it must be installed second. If the KIDS build inadvertently gets installed first, continue installing the XML build then install the KIDS build a second time.

For the previous Patch 6 version of the ED Dashboard to function properly running in the Microsoft Edge browser, the Microsoft WebView2 Runtime Library should have been installed during either the EHR v1.1 Patch 31(or Patch 32) installation or after the BEDD v2.0 Patch 6 installation. If it becomes necessary to re-install this library on a new server, please follow the steps in Section 4.1. If the library was already installed, please skip ahead to Section 4.2.

4.1   Installing the Microsoft WebView2 Runtime Library

Table 4-1contains a description of Feature #75160 from the EHR v1.1 Patch 31 release which describes the need for the installation of the Microsoft WebView2 Runtime Library. To begin the installation process, click on the link found in the description.

Table 4-1: Required runtime library description from EHR v1.1, Patch 31

Feature #75160 (CR8473) Update Internet Explorer/Edge
Description: *** Prerequisites: sites must install Webview2 before being able to take advantage of the changes made by the CR. Microsoft WebView2 Runtime Library found here: https://go.microsoft.com/fwlink/p/?LinkId=2124703 This runtime is required by the new Edge browser component delivered in this patch.
Since Edge is the new browser from Microsoft and IE will eventually be phased out, there is a need to make an EHR component available which supports the Edge browser. In EHR v1.1 P31 delivered an additional browser component in EHR for Edge. This does not mean that CCDA/BEDD, (which also uses a browser to render its front end) would use the Edge framework.
This request is to provide the ability to use the Edge browser in their GUI template if the site would prefer. In example, OIT has observed sites set their site-specific home page as the landing screen in their EHR – so this would enable that sort of a page to be displayed using Edge technology instead of outdated Internet Explorer. This component would not check if Edge were installed and that would be the site's responsibility to make sure it is installed if they are using that component.
Uses of Internet Explorer in RPMS EHR:1) ED Dashboard 2) State As part of my work in the IHS system I am required to transfer immunization data from patient ERH records to the state immunization system. I am unable to log on to the state system without having IE 9-10 or 11 version of Internet Explorer integrated into EHR. I was able to access the New Mexico NMSIIS system as recently as last week but now, since Patch 19 was installed I [and probably many others!] are not able to log into NMSIIS via EHR. With flu vaccination season starting now, this will be a major concern for recording and storing patient information.

Once the link has been reached, the MicrosoftEdgeWebview2Setup.exe download file will be downloaded. Click to install the file as shown in Figure 4-1.
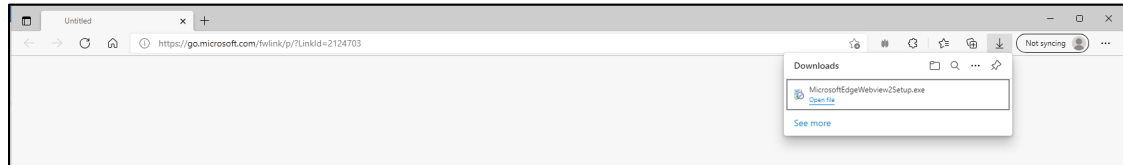

Figure 4-1: Downloaded setup file

Clicking the link initiates the download of the Microsoft Edge Webview2 Runtime library as shown in Figure 4-2.
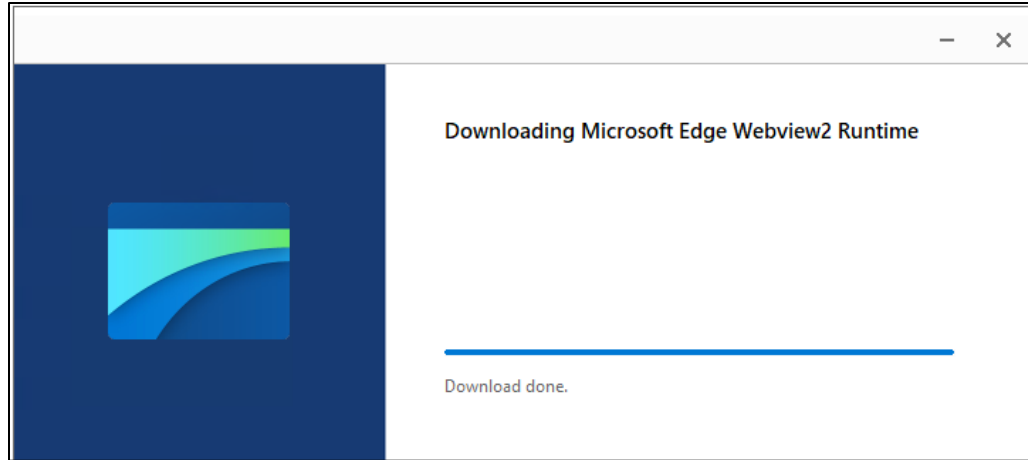
Figure 4-2: Downloading the Microsoft Edge Webview2 Runtime library

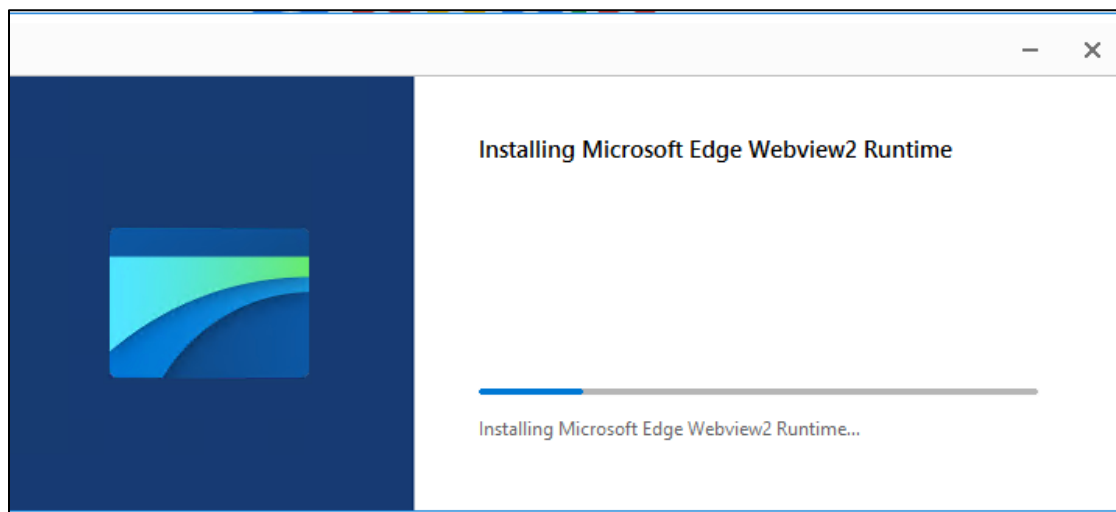Once the download has completed, the library will be installed as shown in Figure 4-3.

Figure 4-3: Installing the Microsoft Edge Webview2 Runtime library

4.2   BEDD XML/Ensemble Installation

This section begins the BEDD installation process. It describes the process of importing the BEDD application into HealthShare Studio from an XML file.

4.2.1   Move XML Compressed File to Accessible Folder and Unzip

Move the compressed XML build to a folder accessible by the HealthShare server. Once the file has been placed into the folder, unzip the file.

4.2.2　Open Ensemble Studio

1. Click the HealthShare icon in the system tray (at the right end of the Windows Taskbar as shown in Figure 4-4) and select **Studio**, as shown in Figure 4-5. A logon ID and password may be required.
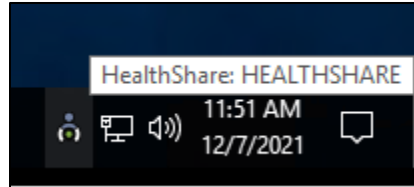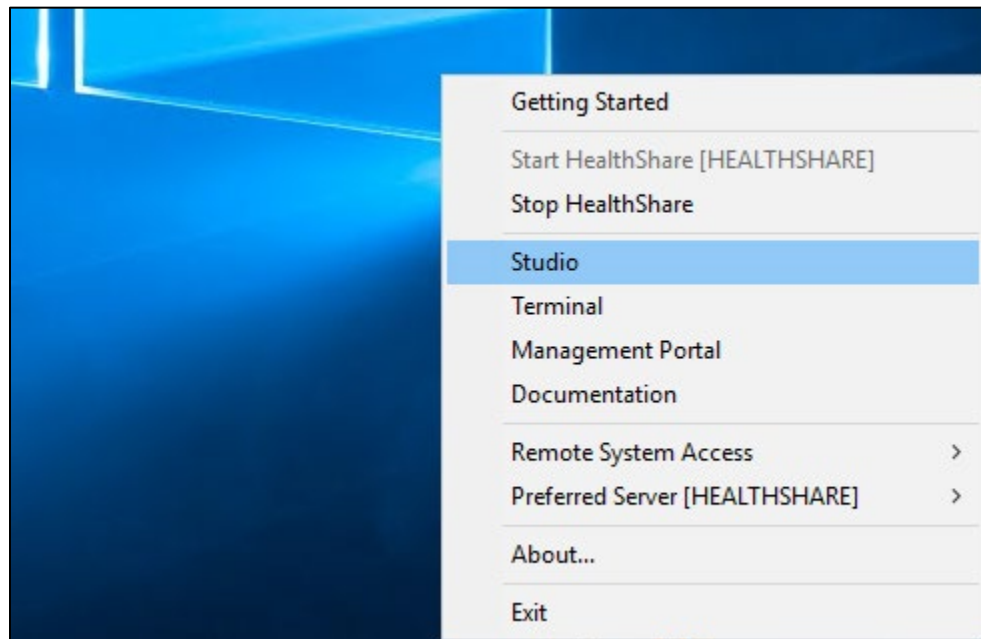

Figure 4-4: HealthShare icon on Windows Taskbar

Figure 4-5: Open HealthShare Studio

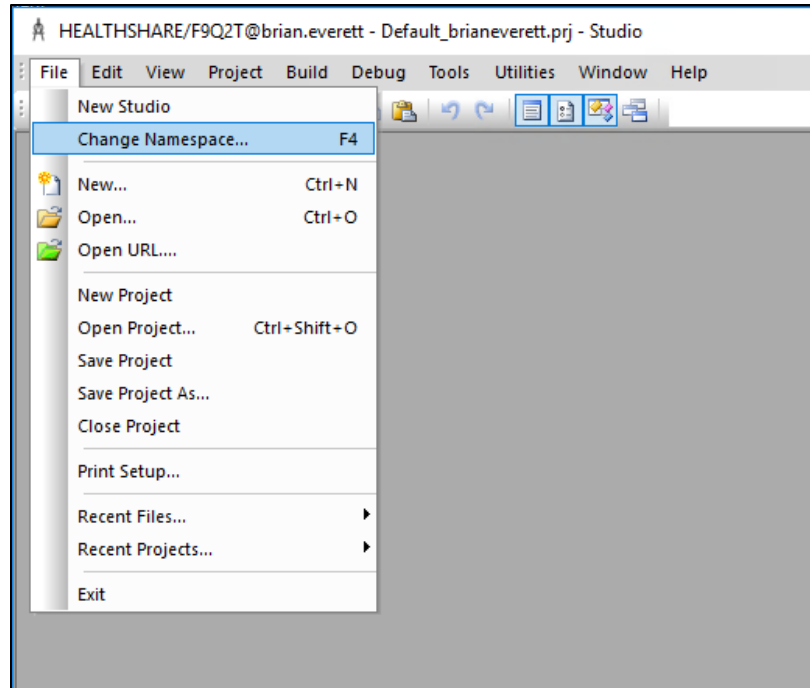2. The HealthShare Studio window displays, as shown in Figure 4-6.

Figure 4-6: HealthShare Studio with option to change namespace

3.　On the **File** menu, click **Change Namespace** to open the **Cache Connection Manager** dialog (Figure 4-7).
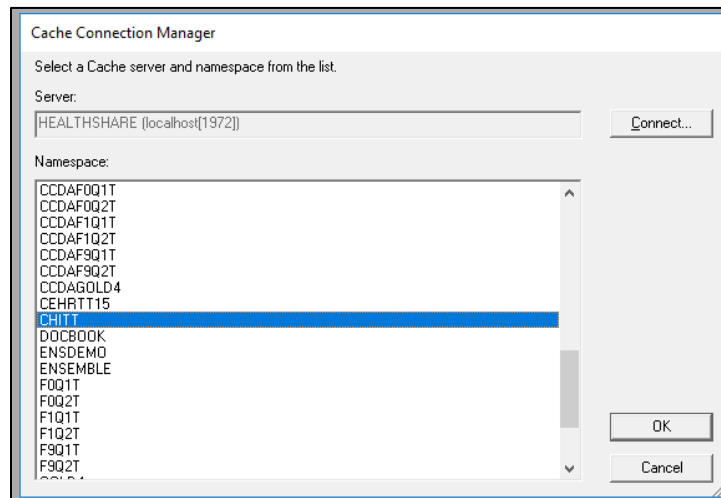

Figure 4-7: Select the appropriate namespace to import

4.　Select the appropriate Namespace from the **Cache Connection Manager** dialog, (Figure 4-7) and click **OK**.

4.2.3　Importing the bedd0200.07.xml file

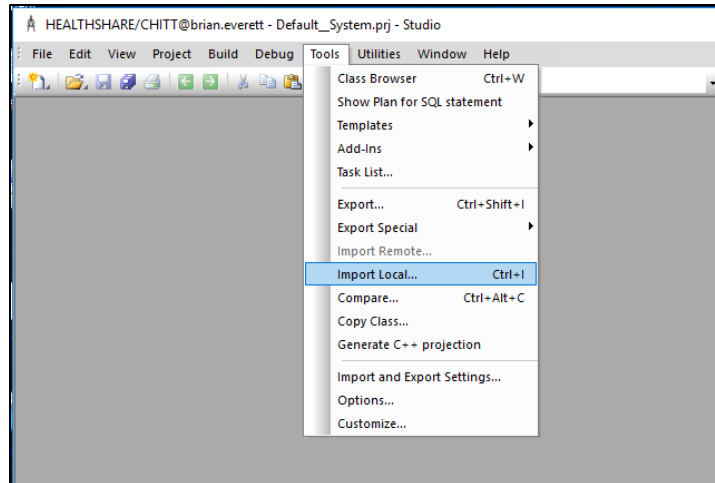1.　On the **Tools** menu (Figure 4-8), select **Import Local**.

Figure 4-8: Accessing the Import Local menu option

2. Navigate to the folder where the file was placed and select **bedd0200.07.xml**. Click **Open** (Figure 4-9).
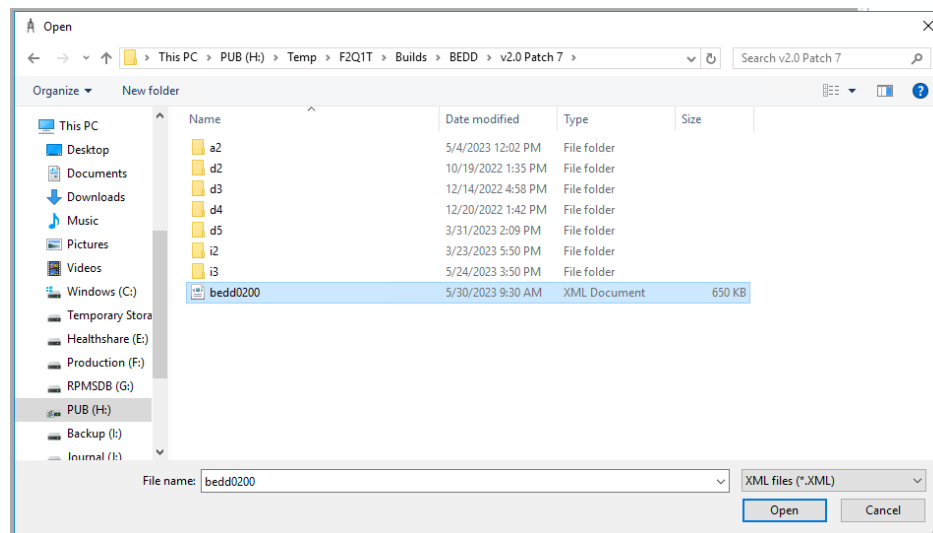

Figure 4-9: Selecting the XML build to import

3. The **Import** dialog (Figure 4-10) displays.
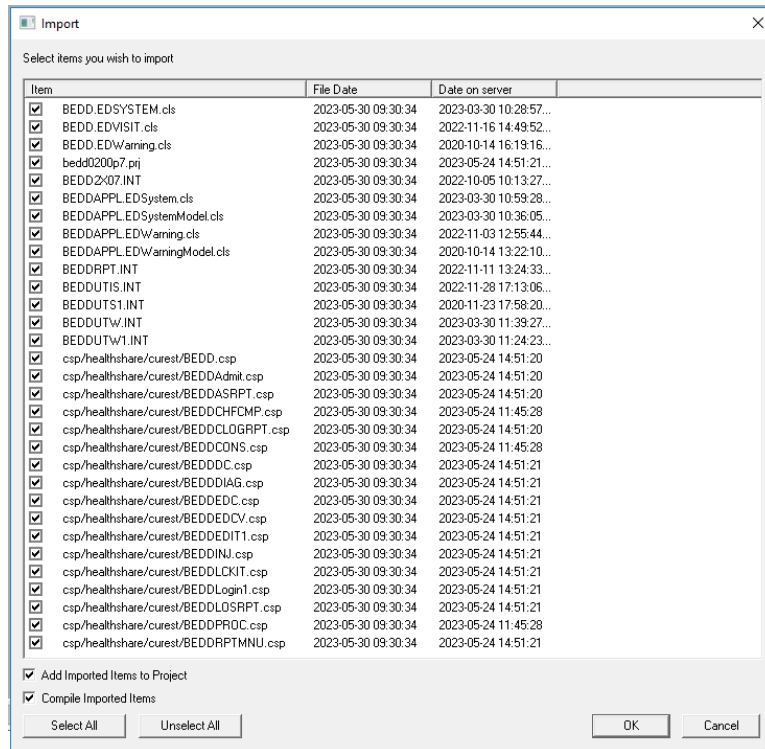
Figure 4-10: Import dialog

4. Select all the items in the list and select **Compile Imported Items**.

5. Click **OK**. After the system compiles the EDD package files, the **Compilation finished successfully in…** message appears in the **Output** pane.

6. If a warning dialog like Figure 4-11 displays after the XML file has been imported, click **OK** to continue.

Figure 4-11: Studio warning

4.3   BEDD KIDS Installation

1. From the **KIDS** menu, select the **Installation** menu.

2. From the XPD Main -> **Installation** menu, select **Option 1: Load a Distribution**.

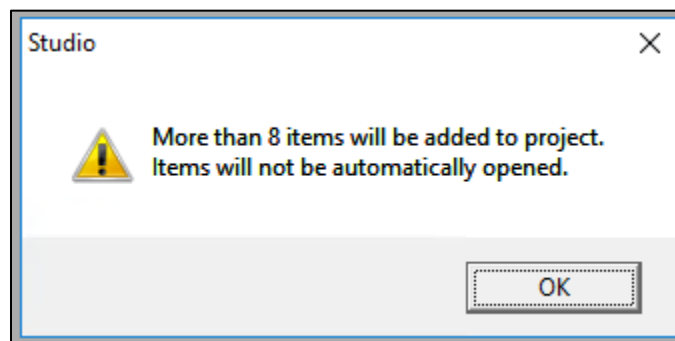3. Type **bedd0200.07k** at the **Enter a Host File** prompt. Please note the file path might need to precede the file name with the appropriate host path. This is the file to retrieve from the appropriate software directory.

4. Type **Yes** (or press Enter to accept the default) at the **Want to Continue with Load?** prompt.

5. KIDS file bedd0200.07k contains the following installation file:

   BEDD*2.0*7

6. From the **Installation** menu, select **Option 2: Verify Checksums in Transport Global**. This option provides a mechanism for ensuring the integrity of the routines. This step verifies checksums for the components of the transport global, and reports any errors uncovered.

7. Type **BEDD*2.0*7** as the install name.

   Optional: exercise one of the following installation options. In this case, use **BEDD*2.0*7** as the install name.

   - **Back Up a Transport Global**: this option creates a MailMan message that will back up all current routines on the system that would be replaced by this release.

   - **Compare Transport Global**: this option displays all changes that will result from the installation of this patch and compares them with the values currently loaded on the system (routines, data dictionaries, templates).

8. From the **Installation** menu, select the **Install Packages(s)** option.

9. At the Select Install Name prompt, type **BEDD*2.0*7.**

10. Respond to the following prompts as indicated:

    a. At the Want KIDS to Rebuild Menu Trees Upon Completion of Install? prompt, type **NO**.

    b. At the Want KIDS to INHIBIT LOGONs during the install? prompt, type **NO**.

    c. At the Want to DISABLE Scheduled Options, Menu Options and Protocols? prompt, type **NO**.

11. Type the name of the device that will print the install messages.

12. Exit the **Installation** menu.

4.4   Sample Cache Installation

> **Note**:   User responses appear in bold type.

```
Select OPTION NAME: XPD MAIN        Kernel Installation & Distribution System

          Edits and Distribution ...
          Utilities ...
          Installation ...
          Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: Installation

   1      Load a Distribution
   2      Verify Checksums in Transport Global
   3      Print Transport Global
   4      Compare Transport Global to Current System
   5      Backup a Transport Global
   6      Install Package(s)
          Restart Install of Package(s)
          Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 1  Load a Distribution
Enter a Host File: C:\RPMS\bedd0200.07k

KIDS Distribution saved on May 24, 2023@14:38:55
Comment: BEDD*2.0*7

This Distribution contains Transport Globals for the following Package(s):
   BEDD*2.0*7
Distribution OK!

Want to Continue with Load? YES//
Loading Distribution...

Build BEDD*2.0*7 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
   BEDD*2.0*7
Will first run the Environment Check Routine, BEDD2P07

                    Patch "XU*8.0*1020" is installed - *PASS*
                    Patch "DI*22.0*1020" is installed - *PASS*
                     Patch "BEDD*2.0*6" is installed - *PASS*
                    Patch "AMER*3.0*13" is installed - *PASS*
Use INSTALL NAME: BEDD*2.0*7 to install this Distribution.



   1      Load a Distribution
   2      Verify Checksums in Transport Global
   3      Print Transport Global
   4      Compare Transport Global to Current System
   5      Backup a Transport Global
   6      Install Package(s)
          Restart Install of Package(s)
          Unload a Distribution
```

```
You have PENDING ALERTS
          Enter  "VA to jump to VIEW ALERTS option

Select Installation <TEST ACCOUNT> Option: 2  Verify Checksums in Transport Glob
al
Select INSTALL NAME:    BEDD*2.0*7     Loaded from Distribution    6/6/23@11:44:
02
    => BEDD*2.0*7  ;Created on May 24, 2023@14:38:55

This Distribution was loaded on Jun 06, 2023@11:44:02 with header of
   BEDD*2.0*7  ;Created on May 24, 2023@14:38:55
   It consisted of the following Install(s):
     BEDD*2.0*7

Want each Routine Listed with Checksums: Yes//   YES
DEVICE: HOME//   VIRTUAL

PACKAGE: BEDD*2.0*7    Jun 06, 2023 11:44 am                          PAGE 1
--------------------------------------------------------------------------------


BEDD2P07  Calculated    5309108
BEDDUTD1  Calculated   37941288
BEDDUTID  Calculated  196168051
BEDDUTIL  Calculated  175163087
BEDDUTL2  Calculated   42448538

   5 Routines checked, 0 failed.




   1        Load a Distribution
   2        Verify Checksums in Transport Global
   3        Print Transport Global
   4        Compare Transport Global to Current System
   5        Backup a Transport Global
   6        Install Package(s)
            Restart Install of Package(s)
            Unload a Distribution


You have PENDING ALERTS
          Enter  "VA to jump to VIEW ALERTS option

Select Installation <TEST ACCOUNT> Option: 6  Install Package(s)
Select INSTALL NAME:    BEDD*2.0*7     Loaded from Distribution    6/6/23@11:44:
02
    => BEDD*2.0*7  ;Created on May 24, 2023@14:38:55

This Distribution was loaded on Jun 06, 2023@11:44:02 with header of
   BEDD*2.0*7  ;Created on May 24, 2023@14:38:55
   It consisted of the following Install(s):
     BEDD*2.0*7
Checking Install for Package BEDD*2.0*7
Will first run the Environment Check Routine, BEDD2P07
```

```
                     Patch "XU*8.0*1020" is installed - *PASS*
                     Patch "DI*22.0*1020" is installed - *PASS*
                      Patch "BEDD*2.0*6" is installed - *PASS*
                     Patch "AMER*3.0*13" is installed - *PASS*


Install Questions for BEDD*2.0*7




Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//   VIRTUAL


 Install Started for BEDD*2.0*7 :
               Jun 06, 2023@11:44:27

Build Distribution Date: May 24, 2023

 Installing Routines:......
               Jun 06, 2023@11:44:27

 Installing PACKAGE COMPONENTS:

 Installing SECURITY KEY..
               Jun 06, 2023@11:44:27

 Running Post-Install Routine: ENT^BEDD2P07.
Compilation started on 06/06/2023 11:44:27 with qualifiers 'k-u'
Compiling routine : BEDD2XML.int
Compiling routine : BEDDRPT.int
Compiling routine : BEDDUTIS.int
Compiling routine : BEDDUTW.int
Compiling 18 classes, using 16 worker jobs
Compiling class BEDDAPPL.EDRoomModel
Compiling class BEDDAPPL.EDWarningModel
Compiling class BEDDAPPL.EDSystemModel
Compiling class BEDD.EDInjury
Compiling class BEDDAPPL.EDMenu
Compiling class BEDD.EDRooms
Compiling class BEDD.EDWarning
Compiling class BEDD.EDDiagnosis
Compiling class BEDD.EDRoomUse
Compiling class BEDD.EDUserPreferences
Compiling class BEDD.EDConsults
Compiling class BEDD.EDProc
Compiling class BEDD.EDSYSTEM
Compiling class BEDD.EDVISIT
Compiling table BEDD.EDConsults
Compiling table BEDD.EDRooms
Compiling table BEDD.EDUserPreferences
```

```
Compiling table BEDD.EDDiagnosis
Compiling table BEDD.EDRoomUse
Compiling table BEDD.EDProc
Compiling table BEDD.EDWarning
Compiling table BEDD.EDSYSTEM
Compiling table BEDD.EDVISIT
Compiling routine BEDDAPPL.EDRoomModel.1
Compiling routine BEDDAPPL.EDWarningModel.1
Compiling routine BEDDAPPL.EDMenu.1
Compiling routine BEDDAPPL.EDSystemModel.1
Compiling routine BEDD.EDInjury.1
Compiling routine BEDD.EDDiagnosis.1
Compiling routine BEDD.EDConsults.1
Compiling routine BEDD.EDRooms.1
Compiling routine BEDD.EDProc.1
Compiling routine BEDD.EDRoomUse.1
Compiling routine BEDD.EDWarning.1
Compiling routine BEDD.EDUserPreferences.1
Compiling routine BEDD.EDSYSTEM.1
Compiling routine BEDD.EDVISIT.1
Compiling class BEDDAPPL.EDManager
Compiling class BEDDAPPL.EDRoom
Compiling class BEDDAPPL.EDWarning
Compiling class BEDDAPPL.EDSystem
Compiling routine BEDDAPPL.EDManager.1
Compiling routine BEDDAPPL.EDRoom.1
Compiling routine BEDDAPPL.EDSystem.1
Compiling routine BEDDAPPL.EDWarning.1
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL_3.css
Compiling file /csp/healthshare/f2q1t/BEDD.csp
Compiling file /csp/healthshare/f2q1t/BEDDASRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDCITMRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDCONS.csp
Compiling file /csp/healthshare/f2q1t/BEDDDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDDCTMRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDDIAG.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDCV.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDIT1.csp
Compiling file /csp/healthshare/f2q1t/BEDDIL.csp
Compiling file /csp/healthshare/f2q1t/BEDDINJ.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKIT.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKREL.csp
Compiling file /csp/healthshare/f2q1t/BEDDLOSRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDLogin.csp
Compiling file /csp/healthshare/f2q1t/BEDDLogin1.csp
Compiling file /csp/healthshare/f2q1t/BEDDPROC.csp
Compiling file /csp/healthshare/f2q1t/BEDDRMTMRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDRPTMNU.csp
Compiling file /csp/healthshare/f2q1t/BEDDTRG.csp
Compiling file /csp/healthshare/f2q1t/BEDDUA.csp
Compiling file /csp/healthshare/f2q1t/BEDDUNLOCK.csp
Compiling 24 classes, using 16 worker jobs
Compiling class csp.bedd
```

```
Compiling class csp.bedddctmrpt
Compiling class csp.beddcons
Compiling class csp.beddclogrpt
Compiling class csp.beddasrpt
Compiling class csp.beddcitmrpt
Compiling class csp.bedddc
Compiling class csp.bedddiag
Compiling class csp.beddlosrpt
Compiling class csp.beddil
Compiling class csp.beddlckrel
Compiling class csp.beddlogin1
Compiling class csp.beddedc
Compiling class csp.beddlogin
Compiling class csp.beddlckit
Compiling class csp.beddedcv
Compiling class csp.beddedit1
Compiling class csp.beddrmtmrpt
Compiling class csp.beddinj
Compiling class csp.beddproc
Compiling class csp.beddtrg
Compiling class csp.beddunlock
Compiling class csp.beddrptmnu
Compiling class csp.beddua
Compiling routine csp.beddcitmrpt.1
Compiling routine csp.beddasrpt.1
Compiling routine csp.beddil.1
Compiling routine csp.bedddctmrpt.1
Compiling routine csp.beddlogin.1
Compiling routine csp.beddlckrel.1
Compiling routine csp.beddclogrpt.1
Compiling routine csp.beddedc.1
Compiling routine csp.beddlckit.1
Compiling routine csp.beddrmtmrpt.1
Compiling routine csp.beddtrg.1
Compiling routine csp.beddua.1
Compiling routine csp.beddlogin1.1
Compiling routine csp.beddrptmnu.1
Compiling routine csp.beddunlock.1
Compiling routine csp.beddlosrpt.1
Compiling routine csp.beddedcv.1
Compiling routine csp.bedddiag.1
Compiling routine csp.beddcons.1
Compiling routine csp.beddinj.1
Compiling routine csp.beddproc.1
Compiling routine csp.bedddc.1
Compiling routine csp.bedd.1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 16.52s.

Compilation started on 06/06/2023 11:44:44 with qualifiers 'k-u'
Compiling routine : BEDD2X01.int
Compiling routine : BEDDUTW.int
Compiling routine : BEDDUTIS.int
Compiling routine : BEDDUTW1.int
Compiling routine : BEDDPREF.int
Compiling 6 classes, using 6 worker jobs
Compiling class BEDD.EDUserPreferences
```

```
Compiling class BEDDAPPL.EDSystemModel
Compiling class BEDD.EDSYSTEM
Compiling class BEDDAPPL.EDMenu
Compiling class BEDD.EDVISIT
Compiling table BEDD.EDUserPreferences
Compiling table BEDD.EDSYSTEM
Compiling table BEDD.EDVISIT
Compiling routine BEDDAPPL.EDMenu.1
Compiling routine BEDDAPPL.EDSystemModel.1
Compiling routine BEDD.EDUserPreferences.1
Compiling routine BEDD.EDSYSTEM.1
Compiling routine BEDD.EDVISIT.1
Compiling class BEDDAPPL.EDSystem
Compiling routine BEDDAPPL.EDSystem.1
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL_3.css
Compiling file /csp/healthshare/f2q1t/BEDD.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDIT1.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKIT.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKREL.csp
Compiling file /csp/healthshare/f2q1t/BEDDLogin1.csp
Compiling file /csp/healthshare/f2q1t/BEDDPROC.csp
Compiling 6 classes, using 6 worker jobs
Compiling class csp.beddlogin1
Compiling class csp.bedd
Compiling class csp.beddproc
Compiling class csp.beddlckit
Compiling class csp.beddedit1
Compiling class csp.beddlckrel
Compiling routine csp.beddlckrel.1
Compiling routine csp.beddlckit.1
Compiling routine csp.beddlogin1.1
Compiling routine csp.beddproc.1
Compiling routine csp.bedd.1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 1.643s.

Compilation started on 06/06/2023 11:44:45 with qualifiers 'k-u'
Compiling routine : BEDD2X02.int
Compiling routine : BEDDUTW1.int
Compiling routine : BEDDUTW.int
Compiling routine : BEDDRPT.int
Compiling 6 classes, using 6 worker jobs
Compiling class BEDDAPPL.EDSystemModel
Compiling class BEDD.EDSYSTEM
Compiling class BEDDAPPL.EDMenu
Compiling table BEDD.EDSYSTEM
Compiling routine BEDDAPPL.EDMenu.1
Compiling routine BEDDAPPL.EDSystemModel.1
Compiling routine BEDD.EDSYSTEM.1
Compiling class BEDDAPPL.EDRoom
Compiling class BEDDAPPL.EDWarning
Compiling class BEDDAPPL.EDSystem
Compiling routine BEDDAPPL.EDRoom.1
Compiling routine BEDDAPPL.EDWarning.1
Compiling routine BEDDAPPL.EDSystem.1
```

```
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL_3.css
Compiling file /csp/healthshare/f2q1t/BEDD.csp
Compiling file /csp/healthshare/f2q1t/BEDDAdmit.csp
Compiling file /csp/healthshare/f2q1t/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDCONS.csp
Compiling file /csp/healthshare/f2q1t/BEDDDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDDIAG.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDCV.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDIT1.csp
Compiling file /csp/healthshare/f2q1t/BEDDINJ.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKIT.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKREL.csp
Compiling file /csp/healthshare/f2q1t/BEDDLogin.csp
Compiling file /csp/healthshare/f2q1t/BEDDLogin1.csp
Compiling file /csp/healthshare/f2q1t/BEDDPROC.csp
Compiling file /csp/healthshare/f2q1t/BEDDRPTMNU.csp
Compiling 16 classes, using 16 worker jobs
Compiling class csp.beddlckrel
Compiling class csp.beddclogrpt
Compiling class csp.bedd
Compiling class csp.beddproc
Compiling class csp.beddlogin
Compiling class csp.bedddiag
Compiling class csp.bedddc
Compiling class csp.beddcons
Compiling class csp.beddinj
Compiling class csp.beddlogin1
Compiling class csp.beddrptmnu
Compiling class csp.beddadmit
Compiling class csp.beddedc
Compiling class csp.beddedcv
Compiling class csp.beddlckit
Compiling class csp.beddedit1
Compiling routine csp.beddlogin.1
Compiling routine csp.beddlckit.1
Compiling routine csp.beddedc.1
Compiling routine csp.beddlogin1.1
Compiling routine csp.beddlckrel.1
Compiling routine csp.beddrptmnu.1
Compiling routine csp.beddclogrpt.1
Compiling routine csp.beddedcv.1
Compiling routine csp.beddproc.1
Compiling routine csp.bedddiag.1
Compiling routine csp.beddcons.1
Compiling routine csp.beddinj.1
Compiling routine csp.bedddc.1
Compiling routine csp.bedd.1
Compiling routine csp.beddadmit.1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 1.914s.

Compilation started on 06/06/2023 11:44:47 with qualifiers 'k-u'
Compiling routine : BEDD2X03.int
Compiling routine : BEDDUTW1.int
```

```
Compiling routine : BEDDRPT.int
Compiling class BEDD.EDVISIT
Compiling table BEDD.EDVISIT
Compiling routine BEDD.EDVISIT.1
Compiling file /csp/healthshare/f2q1t/BEDD.csp
Compiling file /csp/healthshare/f2q1t/BEDDAdmit.csp
Compiling file /csp/healthshare/f2q1t/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDCV.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDIT1.csp
Compiling file /csp/healthshare/f2q1t/BEDDLOSRPT.csp
Compiling 7 classes
Compiling class csp.bedd
Compiling class csp.beddadmit
Compiling class csp.beddclogrpt
Compiling class csp.bedddc
Compiling class csp.beddedcv
Compiling class csp.beddedit1
Compiling class csp.beddlosrpt
Compiling routine csp.bedd.1
Compiling routine csp.beddadmit.1
Compiling routine csp.beddclogrpt.1
Compiling routine csp.bedddc.1
Compiling routine csp.beddedcv.1
Compiling routine csp.beddedit1.1
Compiling routine csp.beddlosrpt.1
Compilation finished successfully in 1.662s.

Compilation started on 06/06/2023 11:44:49 with qualifiers 'k-u'
Compiling routine : BEDD2X04.int
Compiling routine : BEDDRPT.int
Compiling routine : BEDDUTW1.int
Compiling routine : BEDDUTW.int
Compiling routine : BEDDUTIS.int
Compiling routine : BEDDVFX1.int
Compiling 5 classes, using 5 worker jobs
Compiling class BEDDAPPL.EDSystemModel
Compiling class BEDD.EDSYSTEM
Compiling class BEDDAPPL.EDMenu
Compiling class BEDD.EDVISIT
Compiling table BEDD.EDSYSTEM
Compiling table BEDD.EDVISIT
Compiling routine BEDDAPPL.EDMenu.1
Compiling routine BEDDAPPL.EDSystemModel.1
Compiling routine BEDD.EDSYSTEM.1
Compiling routine BEDD.EDVISIT.1
Compiling class BEDDAPPL.EDSystem
Compiling routine BEDDAPPL.EDSystem.1
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL_3.css
Compiling file /csp/healthshare/f2q1t/BEDD.csp
Compiling file /csp/healthshare/f2q1t/BEDDAdmit.csp
Compiling file /csp/healthshare/f2q1t/BEDDCHFCMP.csp
Compiling file /csp/healthshare/f2q1t/BEDDDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDIT1.csp
Compiling 5 classes, using 5 worker jobs
```

```
Compiling class csp.beddchfcmp
Compiling class csp.bedddc
Compiling class csp.bedd
Compiling class csp.beddedit1
Compiling class csp.beddadmit
Compiling routine csp.beddchfcmp.1
Compiling routine csp.bedddc.1
Compiling routine csp.beddadmit.1
Compiling routine csp.bedd.1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 1.911s.

Compilation started on 06/06/2023 11:44:51 with qualifiers 'k-u'
Compiling routine : BEDD2X05.int
Compiling file /csp/healthshare/f2q1t/BEDDLogin.csp
Compiling file /csp/healthshare/f2q1t/BEDDLogin1.csp
Compiling 2 classes, using 2 worker jobs
Compiling class csp.beddlogin
Compiling class csp.beddlogin1
Compiling routine csp.beddlogin.1
Compiling routine csp.beddlogin1.1
Compilation finished successfully in 0.042s.

Compilation started on 06/06/2023 11:44:51 with qualifiers 'k-u'
Compiling routine : BEDD2X06.int
Compiling routine : BEDDRPT.int
Compiling file /csp/healthshare/f2q1t/BEDD.csp
Compiling file /csp/healthshare/f2q1t/BEDDAdmit.csp
Compiling file /csp/healthshare/f2q1t/BEDDCHFCMP.csp
Compiling file /csp/healthshare/f2q1t/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDCONS.csp
Compiling file /csp/healthshare/f2q1t/BEDDDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDDIAG.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDCV.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDIT1.csp
Compiling file /csp/healthshare/f2q1t/BEDDINJ.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKIT.csp
Compiling file /csp/healthshare/f2q1t/BEDDPROC.csp
Compiling file /csp/healthshare/f2q1t/BEDDRPTMNU.csp
Compiling 14 classes, using 14 worker jobs
Compiling class csp.bedd
Compiling class csp.bedddc
Compiling class csp.beddadmit
Compiling class csp.bedddiag
Compiling class csp.beddcons
Compiling class csp.beddclogrpt
Compiling class csp.beddinj
Compiling class csp.beddchfcmp
Compiling class csp.beddrptmnu
Compiling class csp.beddlckit
Compiling class csp.beddproc
Compiling class csp.beddedc
Compiling class csp.beddedit1
Compiling class csp.beddedcv
Compiling routine csp.beddlckit.1
Compiling routine csp.beddrptmnu.1
```

```
Compiling routine csp.beddedc.1
Compiling routine csp.beddchfcmp.1
Compiling routine csp.beddclogrpt.1
Compiling routine csp.beddedcv.1
Compiling routine csp.beddproc.1
Compiling routine csp.beddcons.1
Compiling routine csp.bedddiag.1
Compiling routine csp.beddinj.1
Compiling routine csp.bedddc.1
Compiling routine csp.beddadmit.1
Compiling routine csp.bedd.1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 1.103s.

Compilation started on 06/06/2023 11:44:52 with qualifiers 'k-u'
Compiling routine : BEDD2X07.int
Compiling routine : BEDDUTS1.int
Compiling routine : BEDDUTW.int
Compiling routine : BEDDUTW1.int
Compiling routine : BEDDRPT.int
Compiling routine : BEDDUTIS.int
Compiling 8 classes, using 8 worker jobs
Compiling class BEDDAPPL.EDWarningModel
Compiling class BEDD.EDWarning
Compiling class BEDDAPPL.EDSystemModel
Compiling class BEDD.EDSYSTEM
Compiling class BEDDAPPL.EDMenu
Compiling class BEDD.EDVISIT
Compiling table BEDD.EDWarning
Compiling table BEDD.EDSYSTEM
Compiling table BEDD.EDVISIT
Compiling routine BEDDAPPL.EDWarningModel.1
Compiling routine BEDDAPPL.EDMenu.1
Compiling routine BEDDAPPL.EDSystemModel.1
Compiling routine BEDD.EDWarning.1
Compiling routine BEDD.EDSYSTEM.1
Compiling routine BEDD.EDVISIT.1
Compiling class BEDDAPPL.EDWarning
Compiling class BEDDAPPL.EDSystem
Compiling routine BEDDAPPL.EDWarning.1
Compiling routine BEDDAPPL.EDSystem.1
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\f2q1t\BEDDAPPL_3.css
Compiling file /csp/healthshare/f2q1t/BEDD.csp
Compiling file /csp/healthshare/f2q1t/BEDDASRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDAdmit.csp
Compiling file /csp/healthshare/f2q1t/BEDDCHFCMP.csp
Compiling file /csp/healthshare/f2q1t/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDCONS.csp
Compiling file /csp/healthshare/f2q1t/BEDDDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDDIAG.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDC.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDCV.csp
Compiling file /csp/healthshare/f2q1t/BEDDEDIT1.csp
Compiling file /csp/healthshare/f2q1t/BEDDINJ.csp
Compiling file /csp/healthshare/f2q1t/BEDDLCKIT.csp
```

```
Compiling file /csp/healthshare/f2q1t/BEDDLOSRPT.csp
Compiling file /csp/healthshare/f2q1t/BEDDLogin1.csp
Compiling file /csp/healthshare/f2q1t/BEDDPROC.csp
Compiling file /csp/healthshare/f2q1t/BEDDRPTMNU.csp
Compiling 17 classes, using 16 worker jobs
Compiling class csp.beddinj
Compiling class csp.beddasrpt
Compiling class csp.beddchfcmp
Compiling class csp.beddlckit
Compiling class csp.bedddiag
Compiling class csp.bedd
Compiling class csp.beddlogin1
Compiling class csp.beddedc
Compiling class csp.beddadmit
Compiling class csp.beddclogrpt
Compiling class csp.beddedcv
Compiling class csp.beddrptmnu
Compiling class csp.beddcons
Compiling class csp.bedddc
Compiling class csp.beddedit1
Compiling class csp.beddlosrpt
Compiling class csp.beddproc
Compiling routine csp.beddasrpt.1
Compiling routine csp.beddlckit.1
Compiling routine csp.beddlogin1.1
Compiling routine csp.beddlosrpt.1
Compiling routine csp.beddedc.1
Compiling routine csp.beddclogrpt.1
Compiling routine csp.beddchfcmp.1
Compiling routine csp.beddrptmnu.1
Compiling routine csp.beddedcv.1
Compiling routine csp.beddproc.1
Compiling routine csp.bedddiag.1
Compiling routine csp.beddcons.1
Compiling routine csp.beddinj.1
Compiling routine csp.bedddc.1
Compiling routine csp.bedd.1
Compiling routine csp.beddadmit.1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 2.326s.

Compilation started on 06/06/2023 11:44:54 with qualifiers 'k-u'
Compilation finished successfully in 0.014s.


 Updating Routine file......

 Updating KIDS files.......

 BEDD*2.0*7 Installed.
               Jun 06, 2023@11:44:54

 Not a VA primary domain

 NO Install Message sent
```

Figure 4-12 Sample Cache Information

5.0   Installation Configuration

> **Note:** The previous BEDD v2.0 Patch 6 release enabled the EDD to be viewed in the new Microsoft Edge EHR component. If the EDD was already set up successfully for the Patch 6 release, no changes should be needed after the installation of Patch 7. The following instructions describing how to set up the EDD so that it works in Edge have been included in this release as a reference in case a site sets up a new server or encounters issues.

There are two modes of operation for the EDD: Standalone and EHR Portal:

1. **Standalone Mode** – Access via a direct web browser session which requires an active RPMS access and verify code to login.

2. **EHR Application Access** – There are two ways to set up the EDD to work from within the EHR Application. The EDD can be set up from within EHR as a separate tab or it can be set up as a menu option which, when selected, will open the EDD in a separate browser window. Note that this also requires an active RPMS access and verify code and the appropriate BEDD security keys to login.

5.1   Stand Alone Setup

For Standalone access, create an icon on your desktop to call up your web browser (Microsoft Edge, Google Chrome, or Mozilla Firefox) for access. A link to Microsoft Edge is created for this example.

1. If you already use the EDD in Stand Alone mode using the Internet Explorer browser, locate the address for the EDD by doing the following:

   a. Locate the current desktop shortcut for the EDD.

   Right-click on the shortcut and select **Properties** as shown in Figure 5-1.
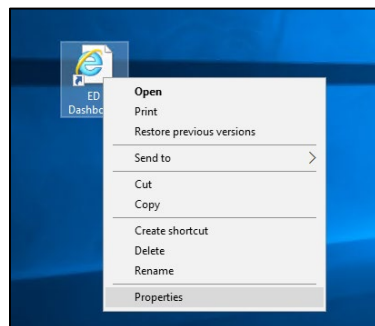
Figure 5-1: ED Dashboard shortcut properties

   b. Navigate to the **Web Document** tab and copy the value of the entire URL property as shown in Figure 5-2.
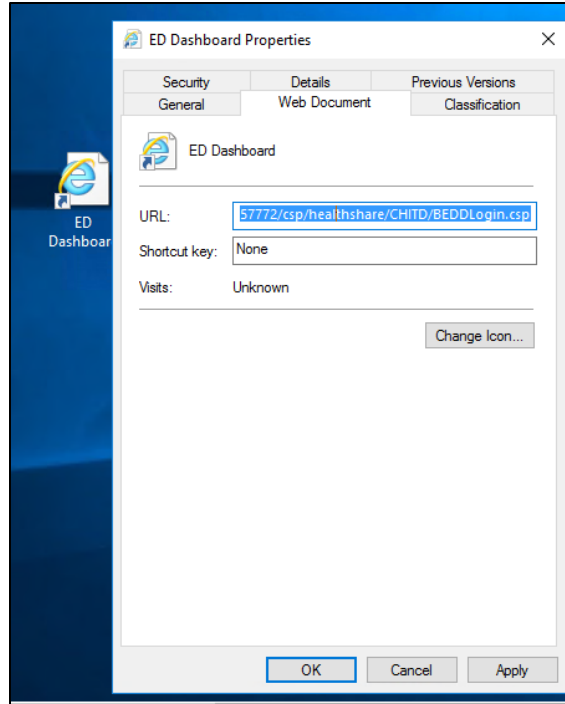
Figure 5-2: URL value of existing ED

2. On your desktop or from the Start menu, right-click on the Microsoft Edge icon and choose **Send to** and select **Desktop (create shortcut)** (Figure 5-3).
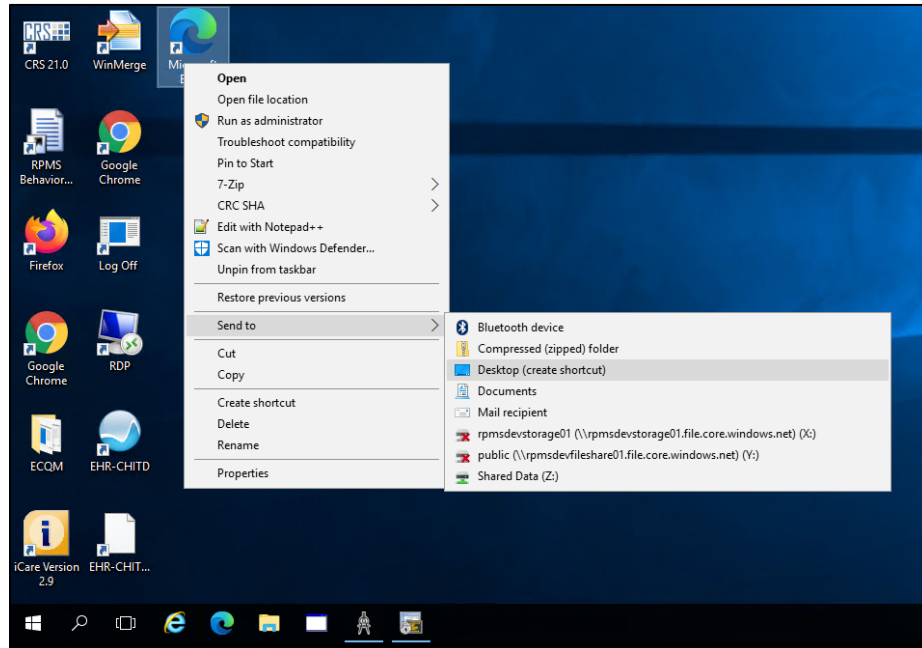
Figure 5-3: Create standalone access

3. Locate the new shortcut on the desktop, right-click and select **Properties**. Navigate to the **General** tab and change the name of the shortcut to the desired value (see Figure 5-4).
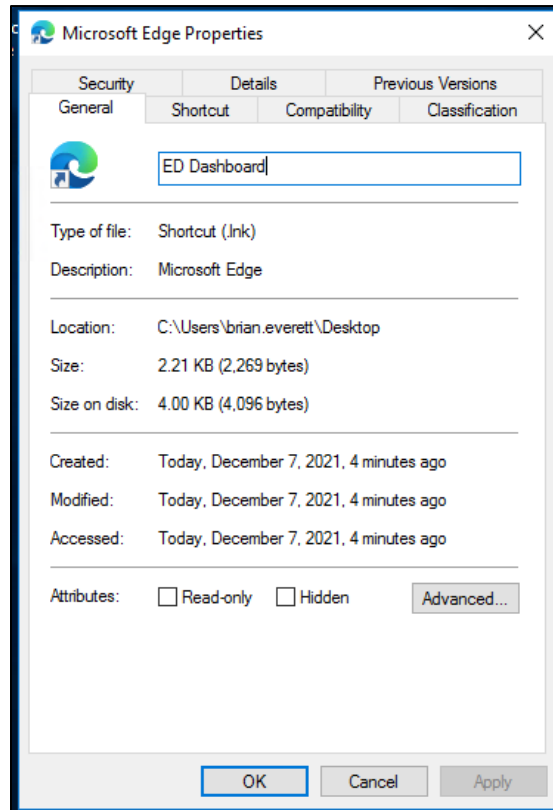
Figure 5-4: Renaming a new shortcut

4. Navigate to the **Shortcut** tab. In the **Target** field, leaving what is currently listed there and appending to the end, adding the following:

- A space followed by the target information copied in Step 1 above. If a Standalone shortcut was not previously set up, this string will be as follows:

    – http://**IPADDRESS**:**PORT**/csp/bedd/BEDDLogin.csp
    – Where:
    – **IPADDRESS** is the IP name or Address of your HealthShare installation or CSP Gateway
    – **PORT** is the port number used for the portal or gateway
    – **/csp/bedd/** is the name of the web application server defined in the HealthShare System Management Portal

Note: Modify the URL to HTTPS if you are using a CSP gateway with an active and signed HTTPS encryption certificate.

- The resulting Target value should look like the following example (see Figure 5-5).

  – **C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe http://URL:PORT:57772/csp/healthshare/bedd/BEDDLogin.csp**

  – Where URL and PORT represent the proper values for your site.
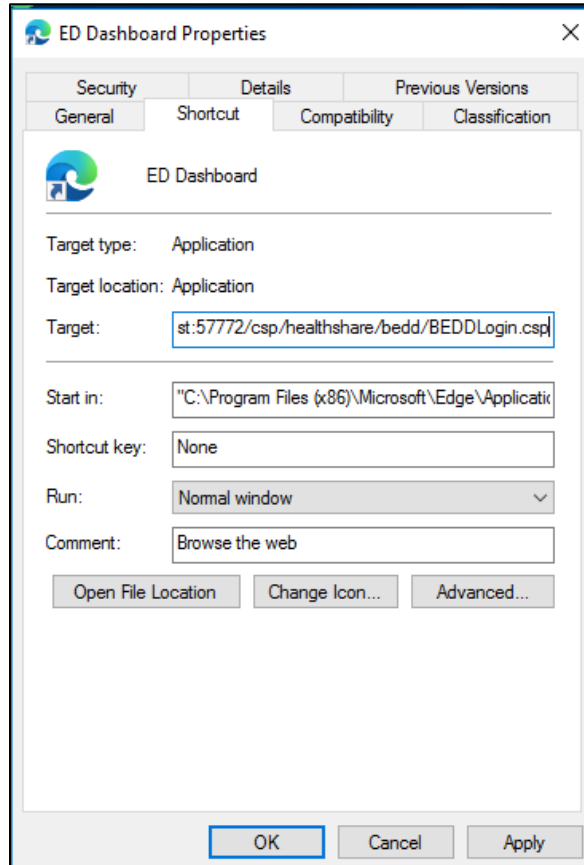
Figure 5-5: Updated Target field

5. Click **OK** to save the changes.

6. Click the new icon to test. Depending on the HealthShare settings, one of the following two pages shown in Figure 5-6 or Figure 5-7 should be presented:

7. HealthShare Login Credential Request (Figure 5-6) – Log into HealthShare with the appropriate login HealthShare username and password.
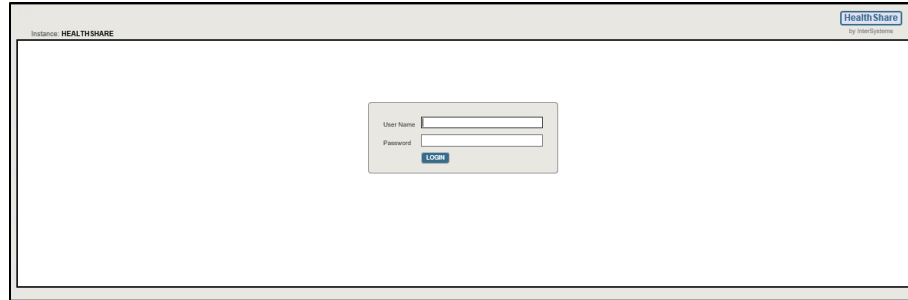
Figure 5-6: HealthShare login request

8. ED Dashboard Login Credential Request (Figure 5-7) – Log into the ED Dashboard using your personal ACCESS/VERIFY codes or the Whiteboard login credentials.
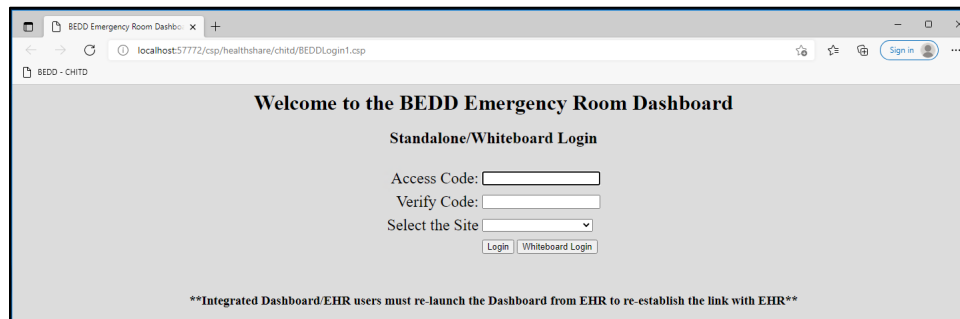
Figure 5-7: ED Dashboard login request

5.2   EHR Setup

EHR application managers can choose which method they would like to allow users to view the EDD from the EHR application. If the site already has the EDD working using the EHR Internet Explorer browser component, please see the next section for retrieving the current HOMEPAGE information that can be utilized later.

5.2.1   Retrieving Existing Internet EDD Setup HOMEPAGE

If your site is already using the EDD from within EHR, then you can retrieve the HOMEPAGE link already being utilized and use that same link when you set up the EDD in the new Edge component. Depending on how you have the EDD currently set up you can retrieve the HOMEPAGE as follows.

5.2.1.1   EDD is a Tab in EHR

1. If your site accesses the EDD using a separate tab in EHR, navigate to the **EDD** tab in EHR and turn on **Design Mode** as shown in Figure 5-8.
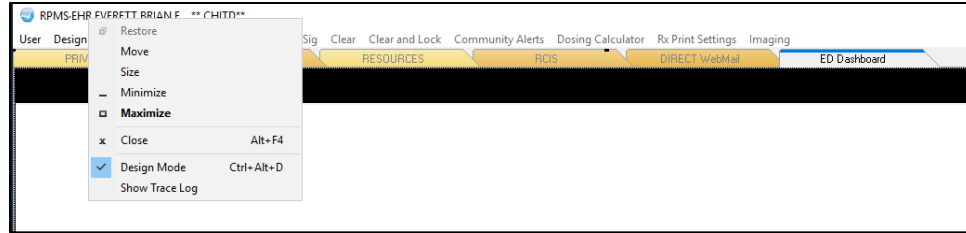
Figure 5-8 Selecting the EDD tab and entering design mode

2. Right-click anywhere on the whitespace on the tab page and select **Properties** as show in Figure 5-9.
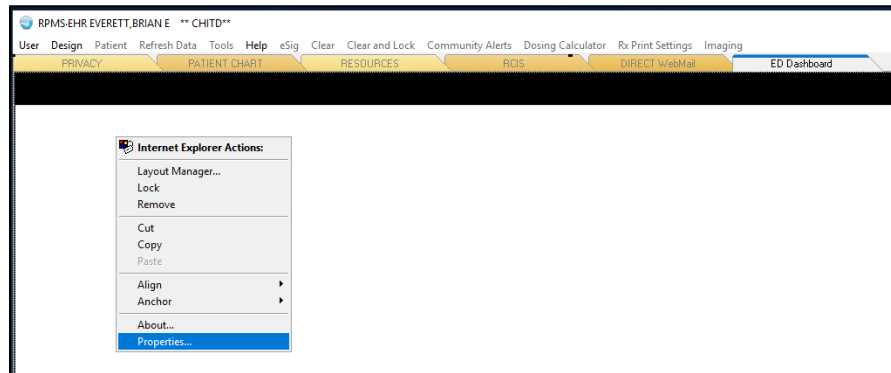
Figure 5-9 Selecting the EDD page properties

3. In the **Properties** dialog that displays, copy the entire string of information stored in the **HOMEPAGE** property as shown in Figure 5-10.
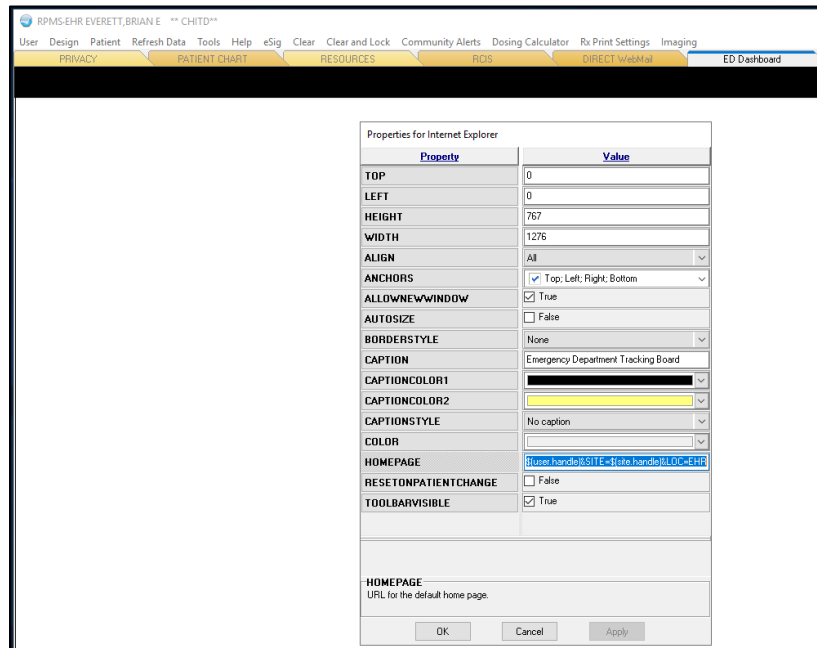
Figure 5-10: Copying the current EDD HOMEPAGE value

4. Copy the **HOMEPAGE** value so that it can be later accessed as shown in Figure 5-11.
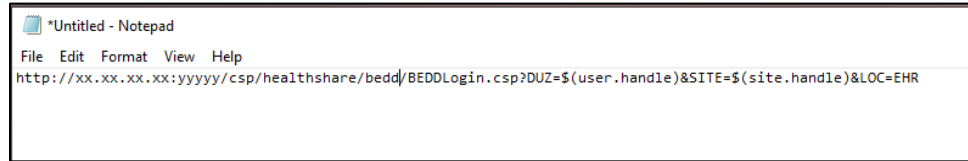
Figure 5-11: Copy of EDD HOMEPAGE value

5.2.1.2   EDD is a Menu Option in EHR

1. If your site accesses the EDD using a menu option in EHR, turn on **Design Mode** and then click **Design** and **Desktop Properties** as shown in Figure 5-12.
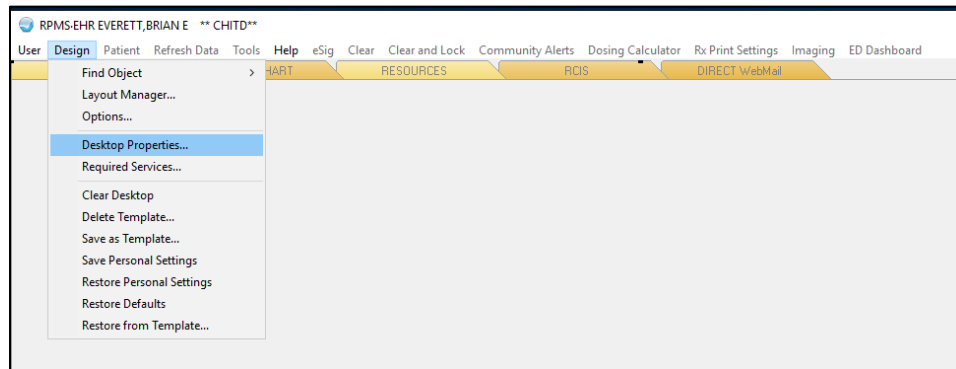
Figure 5-12: Opening the desktop properties in design mode

2. In the **Properties for Desktop** dialog, click on the **Customize Menus** property as shown in Figure 5-13.
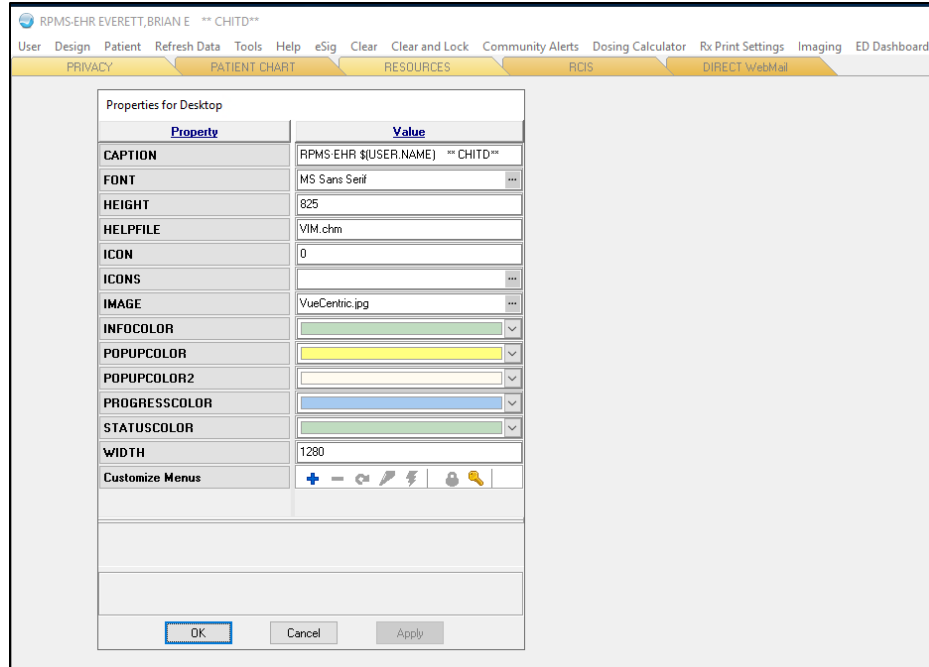
Figure 5-13 Displaying the EHR customize menu

3. In the **Menu Items** list on the right, select the menu option for the current EDD setup. Then click the **Menu Action lightning bolt icon** on the top to bring up the **Edit Action** dialog as shown in Figure 5-14.
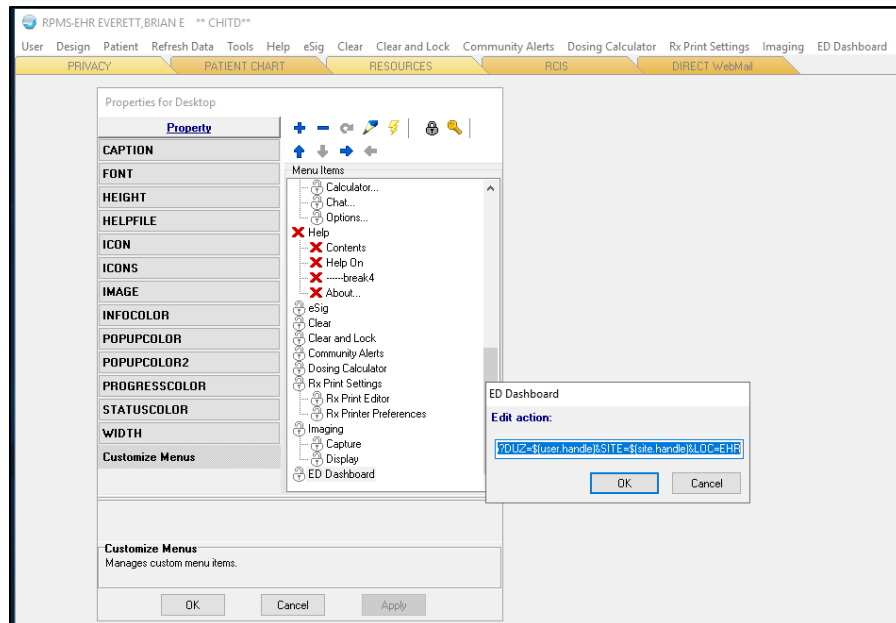
Figure 5-14: Displaying the menu item Edit action

4. Copy the existing **Edit action** in a location where it can be later retrieved as shown in Figure 5-15.

> **Note:** If the existing Edit action contains the text **-nomerge** (as shown in Figure 5-15) it should be removed from the Edit action as Edge does not support the **-nomerge** functionality.
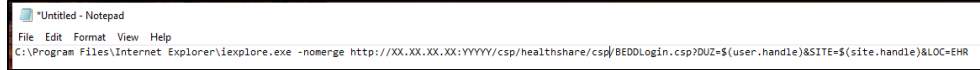
Figure 5-15: Existing EDD menu action

5.2.2   EDD EHR Tab Method Using Edge Component

To set up users to access the EDD from within EHR on a new EHR tab using the new EHR Edge component, perform the following steps:

1. Open EHR, right-click in the title bar at the top and choose **Design Mode** as indicated in Figure 5-16:
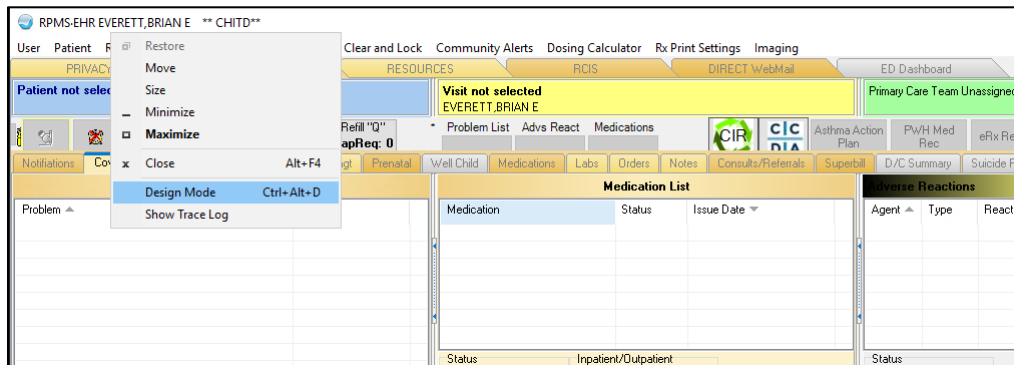
Figure 5-16: EHR design mode

2. From the **Design** menu option, select **Layout Manager** as shown in Figure 5-17:
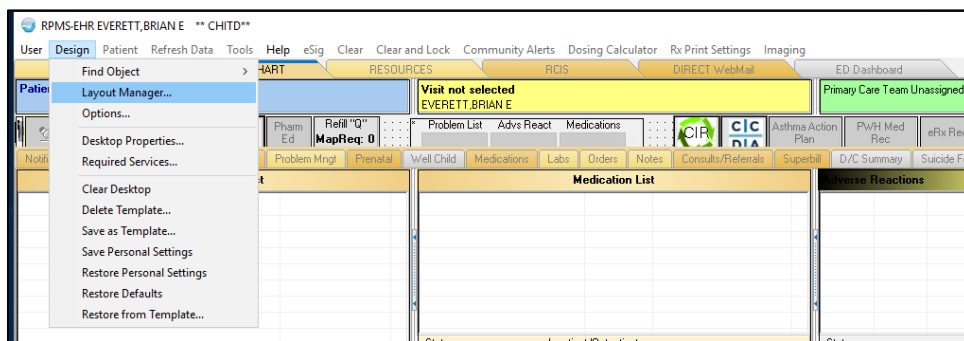
Figure 5-17: EHR layout manager

3. In the **Layout Manager**, click on **Tabbed Notebook** and click **Properties** as shown in Figure 5-18:
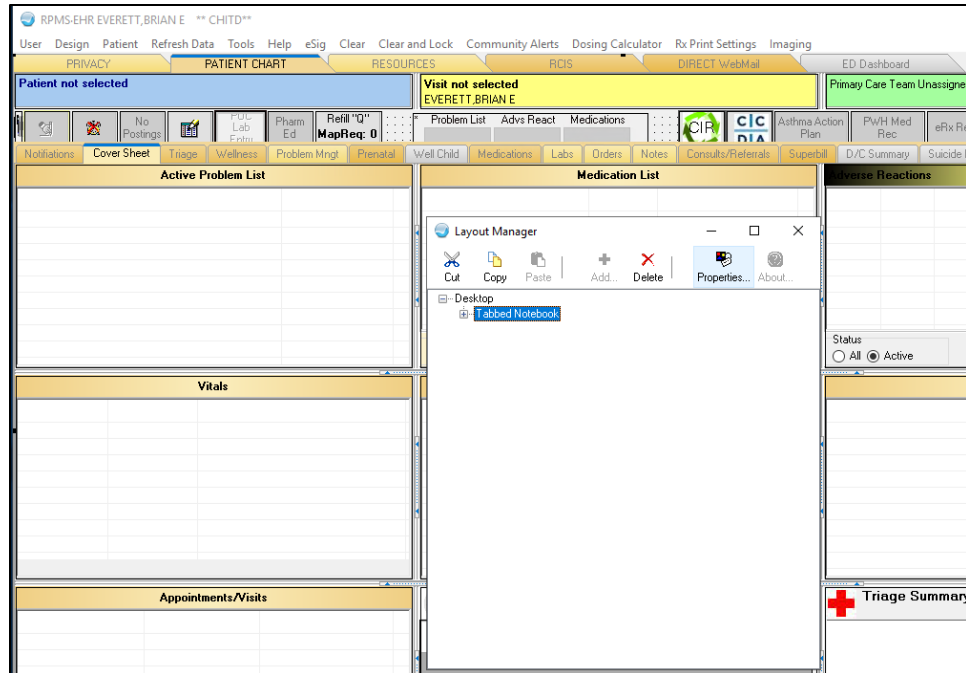
Figure 5-18: Create ED dashboard tab

4. In the **Tabbed Notebook** dialog, click on the plus (+) icon in the **Tab Editor** property as shown in Figure 5-19:
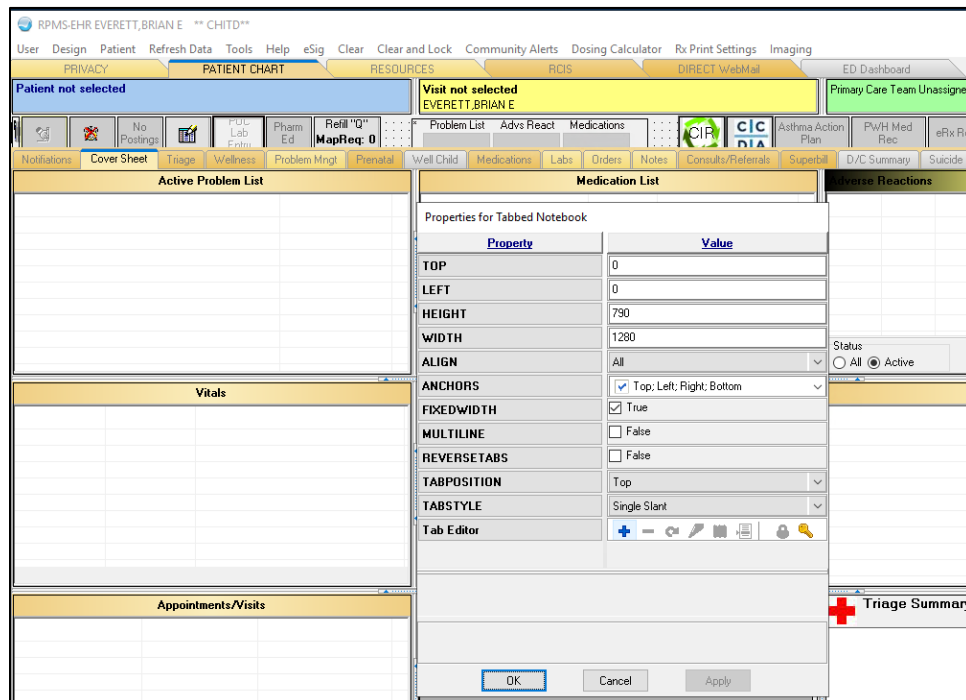
Figure 5-19 Create ED dashboard tab (cont.)

5. In the new tab, type **ED Dashboard** (or whatever name is to be used for the ED Dashboard) as shown in Figure 5-20:
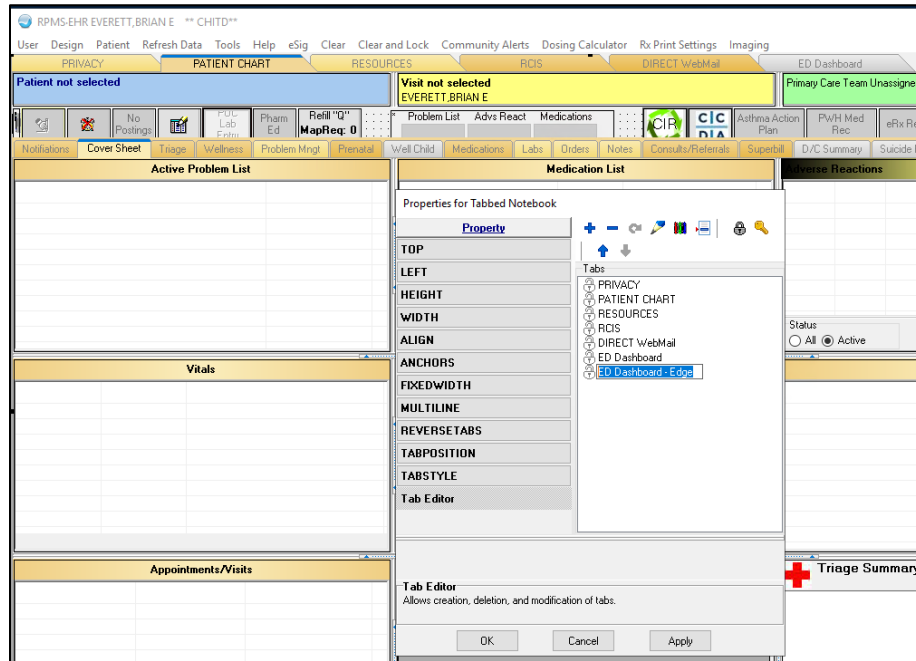
Figure 5-20: Create ED dashboard tab (cont.)

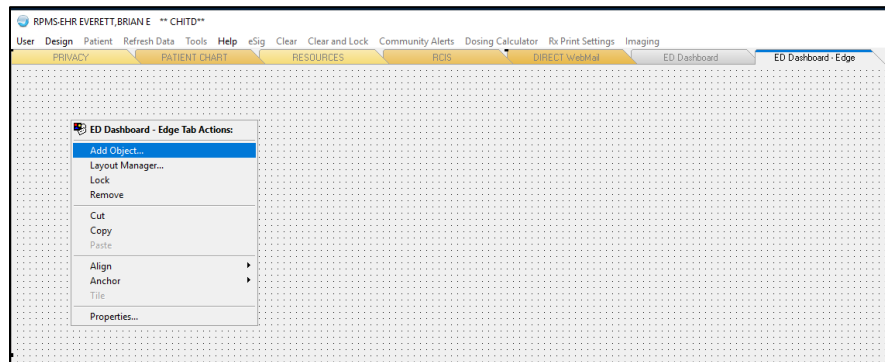6. After creating the new tab, step to the tab. Right-click on the tab space and select **Add Object** as shown in Figure 5-21:

Figure 5-21: Adding new object

7. Select to add a new **Edge browser** object as shown in Figure 5-22. If needed, double-click on the object to expand it to the entire page.
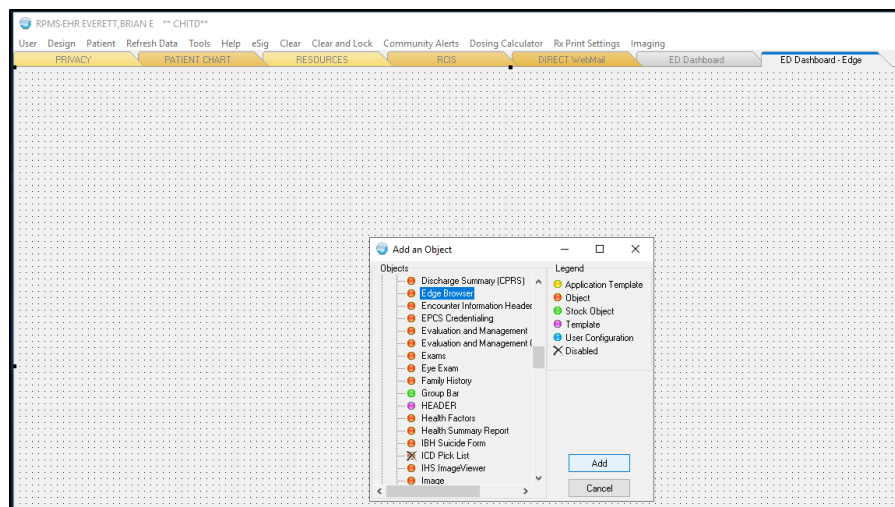
Figure 5-22 Adding internet explorer object

8. Right-click on the new **Edge browser** object and select **Properties** as shown in Figure 5-23:
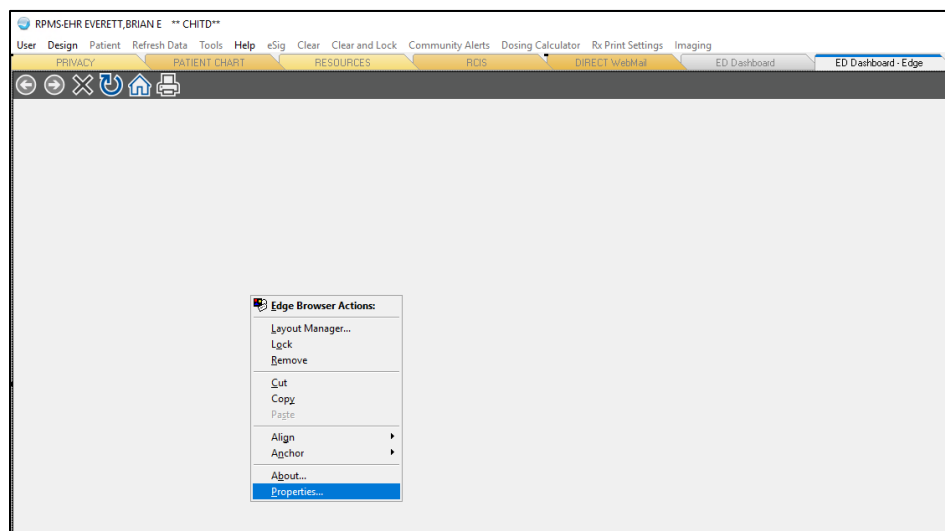
Figure 5-23: Selecting edge browser properties

9. In the **Website** property box, if EDD is already in use at the site and a HOMEPAGE value was stored in Figure 5-11, place the **HOMEPAGE** value in as the Website value. If this is a new occurrence of EDD, put in the EHR URL as seen in Figure 5-24, where an example value is given. Replace the IP address and PORT values with those appropriate for your site. Replace **/csp/bedd/** with the name of the Web application defined in the HealthShare System Management Portal for the BEDD application.

http://IPaddress:PORT/
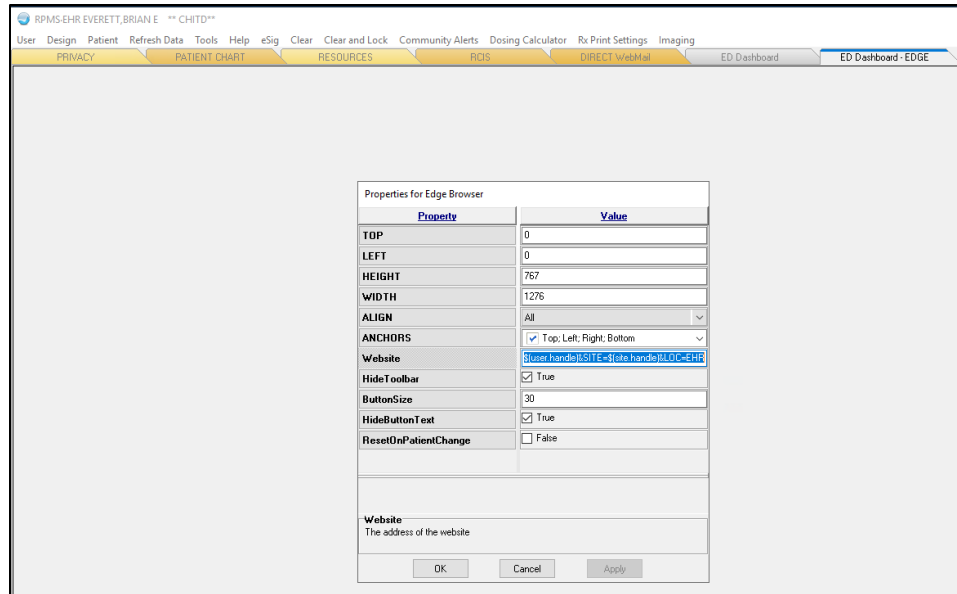csp/bedd/BEDDLogin.csp?DUZ=$(user.handle)&SITE=$(site.handle)&LOC=EHR

Figure 5-24: Enter the ED dashboard

10. Verify that the ResetOnPatientChange checkbox is **False** (Figure 5-24). If set to **True**, when a user attempts to edit a patient in the EDD, when the EHR context changes to the patient, it will cause the session to revert from the edit page back to the main dashboard page.

11. If this is a site with an existing EDD tab set up for Internet Explorer, remove the existing ED Dashboard tab in EHR by bringing up the **Layout Manager**, selecting the original **ED Dashboard Tab** and clicking **Delete** as shown in Figure 5-25.
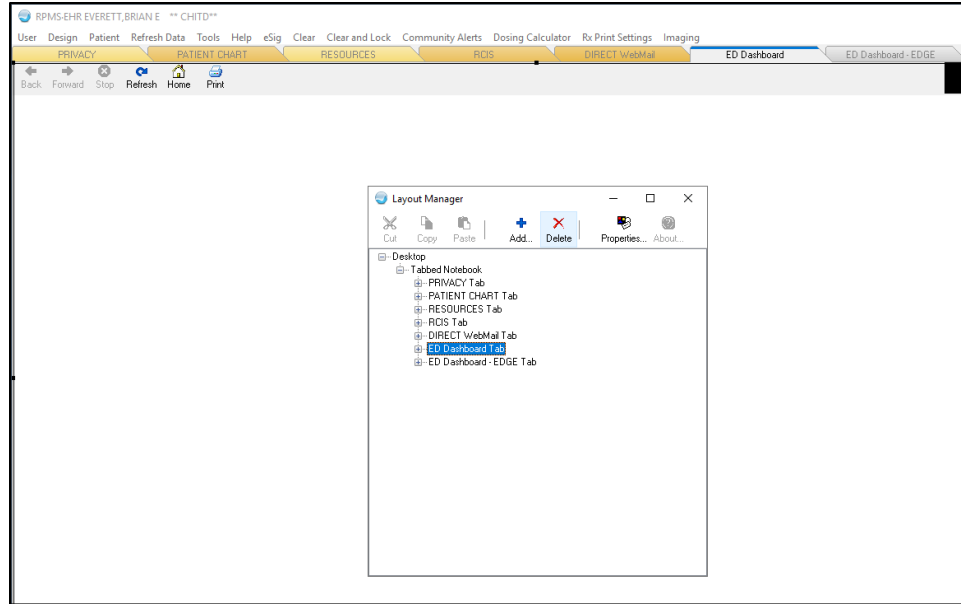
Figure 5-25: Deleting the existing ED Dashboard EHR tab

12. Make sure to save the changes to the appropriate template or personal settings.

5.2.3   EDD New EHR Menu Method

To set up users to access the EDD from a new browser window accessible from a menu option in EHR, perform the following steps:

1. Identify the location of the Microsoft Edge browser on the server. Right-click on the Microsoft Edge short-cut on the desktop and select **Properties** as shown in Figure 5-26:
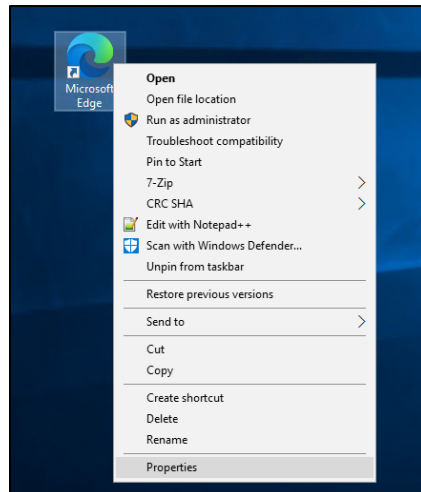

Figure 5-26: Selecting the Edge browser properties

2. On the **Shortcut** tab, copy the information contained in the **Target** property for later use as show in Figure 5-27:
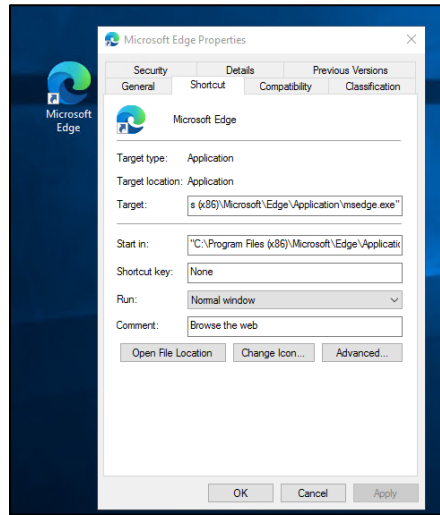

Figure 5-27: Copying the Edge browser target value

3. Now, in EHR right-click in the title bar at the top and choose **Design Mode** as indicated in Figure 5-28:
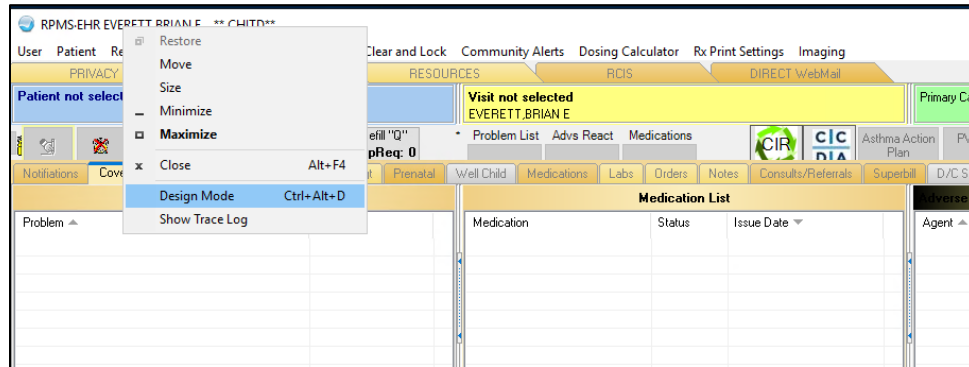

Figure 5-28: Enter design mode

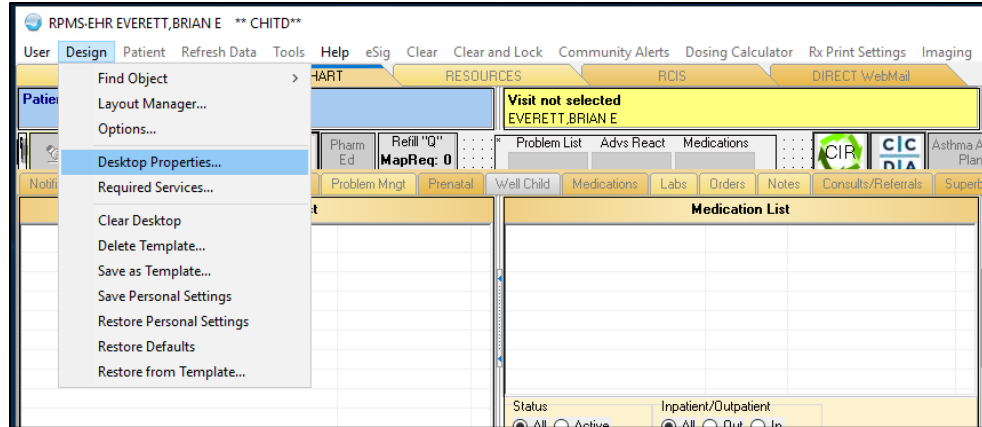4. Select **Design**, then **Desktop Properties** as displayed in Figure 5-29:

Figure 5-29: Desktop properties

5. Select **Customize Menus** as displayed in Figure 5-30. Click the plus (+) icon to add and enter a new menu option ED Dashboard as seen in Figure 5-31:
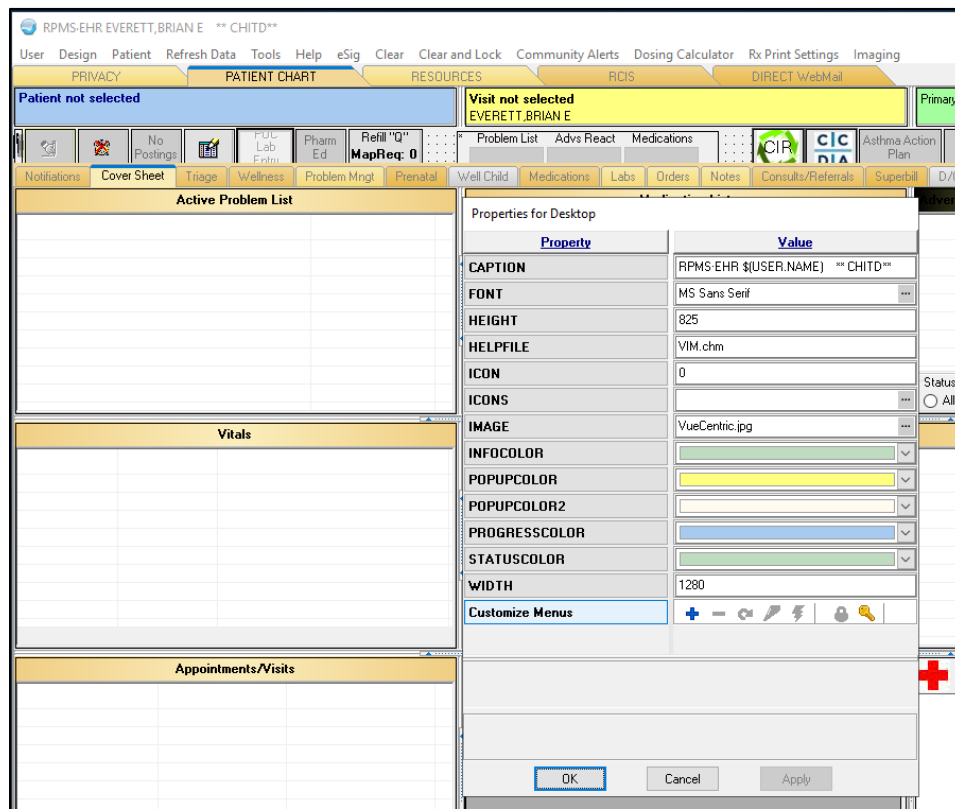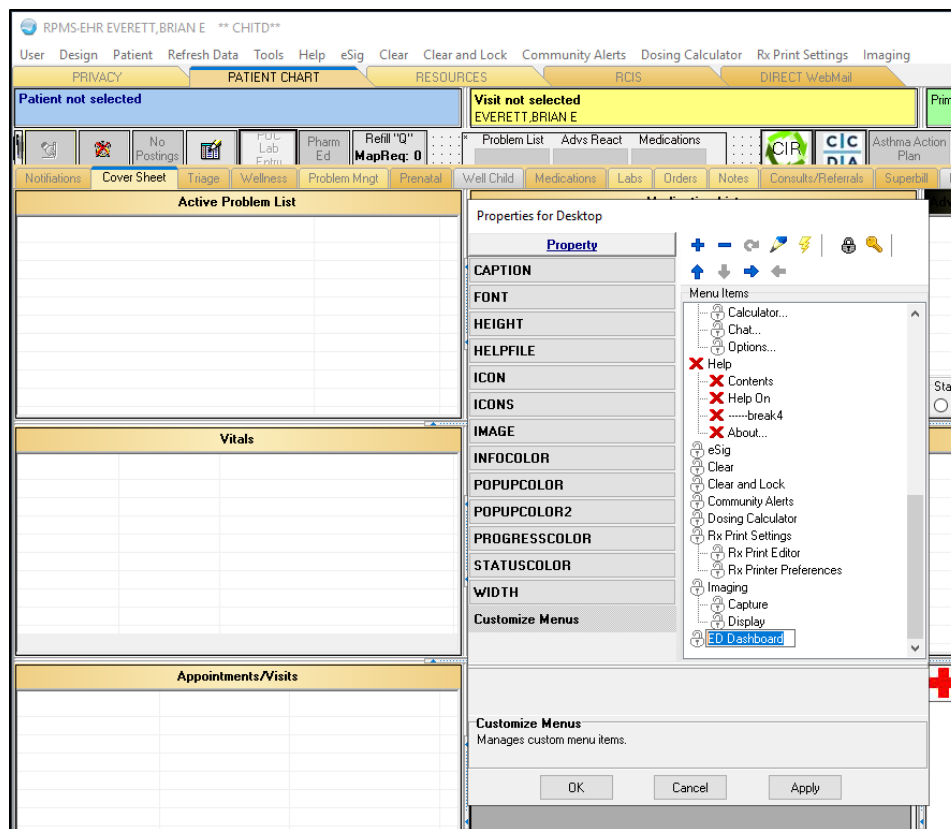

Figure 5-30: Customizing menus

Figure 5-31: Customizing menus cont'd

6. Click the lightning bolt icon in the display. In the **Edit Action** box, put in the path to Microsoft Edge retrieved earlier, followed by a space, -nomerge, another space followed by the regular EHR URL as seen in Figure 5-32, where an example value is given. Replace IP address and PORT values with those appropriate for your site. Replace /csp/bedd/ with the name of the web application set up in the HealthShare System Management portal for the BEDD application.

C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe
http://**IPaddress:PORT/**
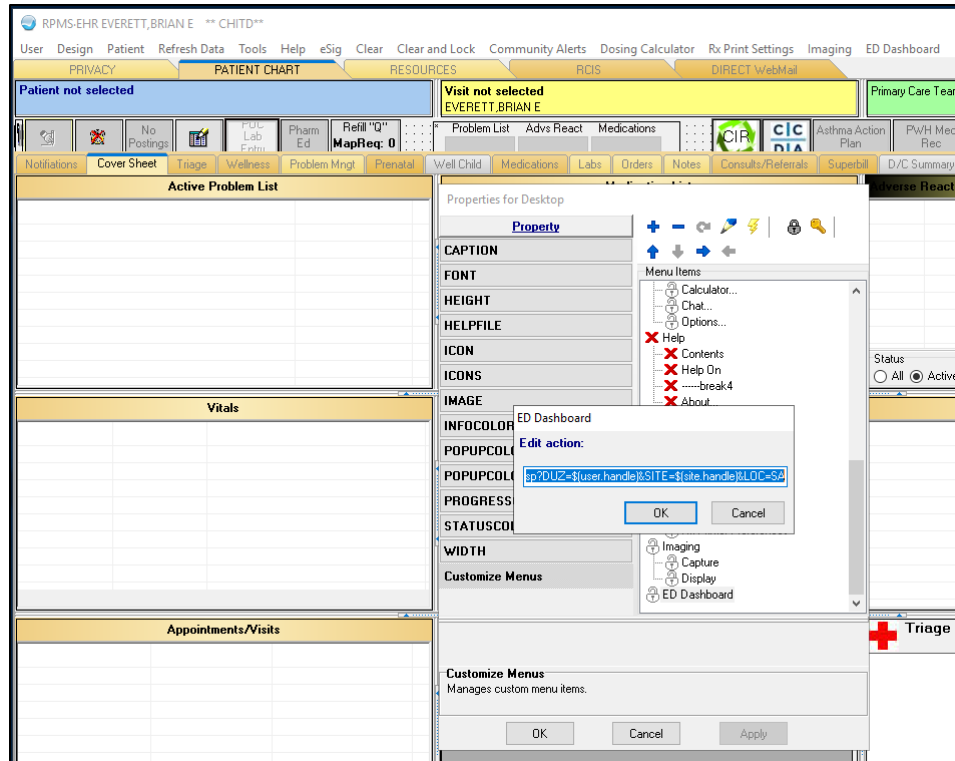**csp/bedd/**BEDDLogin.csp?DUZ=$(user.handle)&SITE=$(site.handle)&LOC=**SA**

Figure 5-32: Edit action

7. Click **OK**, **Save Settings** and leave Design mode.

8. Click on the new menu option ED Dashboard, and the EDD main screen will display as indicated in Figure 5-33:
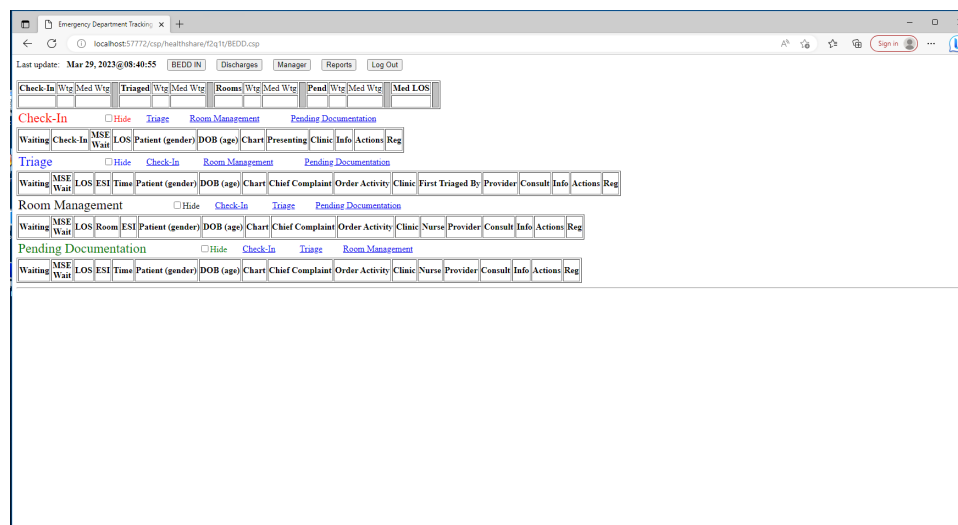

Figure 5-33: ED dashboard display

6.0   Application Access and Functionality Setup

BEDD v2.0 Patch 7 contains some additional functionality that possibly requires changes to BEDD setup parameters and security key assignments. It also utilizes a new AMER setup property and two new AMER security keys.

6.1   Warnings

The Patch 7 release implements warnings on the main dashboard display page. EDD administrators can now define their own threshold levels for various wait time categories and can set up warnings to mark when those threshold levels have been met. When a particular threshold level has been met, the patient visit on the main page will highlight that warning with a specified color or symbol. Please see the *User Guide* released with Patch 7 which provides detail on this new functionality.

6.2   BEDD Triage Provider Entry

The Patch 7 release enables sites to capture triage provider information for a patient visit. Since certain sites may not utilize a triage provider, a new setting has been added to the EDD setup page. To select the setting to use, first select the appropriate site from the list of sites in the table at the top. This will enable the new Triage Provider setting (as shown in Figure 6-1). The choices for this property are as follows:

- **Hidden (Field Not in Use)** – This choice hides the Triage Provider entry altogether on the EDD Edit Page.

- **Default As Disabled (Can Be Enabled)** – This choice will display the Triage Provider (and Triage Provider Date/Time) fields on the EDD Edit Page, but they will be disabled. If a particular patient does end up being seen by a Triage Provider, the user can select the **Enable** checkbox to the right of the Triage Provider Date/Time field on the EDD Edit Page and the fields will be enabled for data entry.

- **Always Enabled** – This choice will display the Triage Provider (and Triage Provider Date/Time) fields on the EDD Edit Page as always enabled.

It should be noted that the AMER application has its own system parameter to control whether the Triage Provider information is prompted for or not.
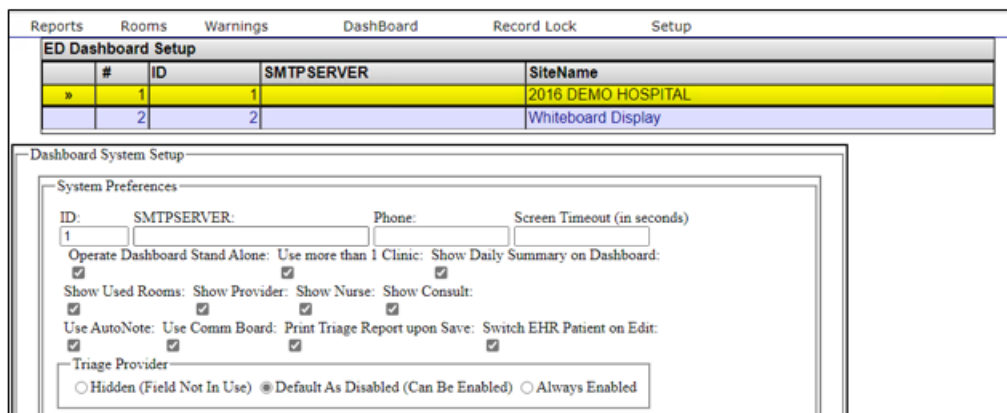
Figure 6-1: Enabling new Triage Provider settings

6.3   BEDD Custom Column Display

The Patch 7 release enables sites to customize which columns appear in the main dashboard Check-In, Triage, Room Management and Pending Documentation sections. For each section, sites can choose whether to display or hide the Waiting, MSE Wait, and/or the LOS columns.

Custom settings can be adjusted on the ED Dashboard Manager Setup page. To adjust the custom settings, first select the appropriate site from the list of sites in the table at the top. This will enable the new Custom Column Display setting section (as shown in Figure 6-2). For each dashboard section, check the box of any columns that should not appear on the main dashboard page.
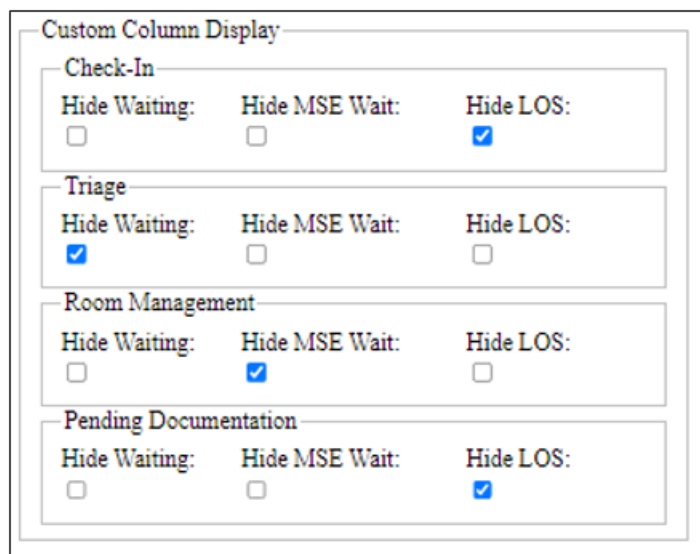

Figure 6-2: Custom column display settings

6.4   BEDD Nurse Display Preferences

Sites have provided feedback on the existing Nurse fields on the main EDD display. Certain sites have nurses with the same last name and similar first names. To avoid confusion on the main EDD display page on what nurse was assigned to which patient, a new choice **Last Name, First Name** (as shown in Figure 6-3) has been added to the list of nurse display preferences.
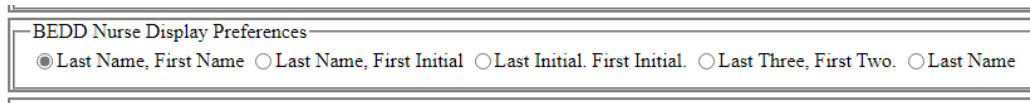

Figure 6-3: New Last Name,First Name choice in the BEDD Nurse Display preferences

6.5   BEDDZREPORTS Security Key

The Patch 7 release of BEDD contains a new BEDDZREPORTS security key. In previous versions of the BEDD application, to access the BEDD reports menu, sites had to assign users the BEDDZMGR security key. While that key did provide access to the reports, it also gave users the ability to modify other setup information in the ED Dashboard such as the setup properties and room definitions. To make the BEDD settings only accessible to the proper use, the Patch 7 release of BEDD contains a new Reports button on the main dashboard page.

Any user assigned the BEDDZREPORTS key (with the BEDDZMGR key removed from their user profile) will now be able to access the reports menu directly and will no longer have access to the BEDD setup sections. Any user with the BEDDZMGR key will still be able to access the Manager button functionality as well as the Reports button menus. After the installation of Patch 7, site administrators should review the list of dashboard users and determine if any users should have access to only the reports menu (and who shouldn't be allowed to modify other BEDD settings). Those users should be assigned to the new BEDDZREPORTS key and, if necessary, have the BEDDZMGR removed from their user profile.

6.6   AMER AMERZNURSE and AMERZPROVIDER Security Keys

The AMER v3.0 Patch 13 release contains the new AMERZNURSE and AMERZPROVIDER security keys. The BEDD application uses these keys to limit the users in the dropdown nurse and provider lists. When Patch 7 is initially installed it will function just like it always has. Nurse and Provider field dropdowns will contain a complete list of system nurses/providers. When a single user is assigned a key, the new dropdown filtering is activated for that user type in the dashboard.

For example, if user **ADAM,ADAM** is assigned the AMERZNURSE security key, in the Triage Nurse field dropdown (shown in Figure 6-4) only that user will display. After the installation of Patch 7, if desired, site administrators should assemble lists of nurses and providers who typically work in the ED. They should then assign those users the appropriate key (or keys) so that only that list of users shows up in the nurse/provider dropdowns. Performing this step will allow EDD users to find the nurse or provider they are looking for more quickly by not having to scroll through a comprehensive list of providers.
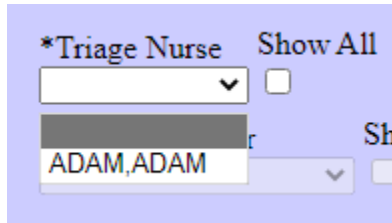

Figure 6-4: Sample display of filtered Triage Nurse dropdown

If a user wishes to select someone that does not appear in the list, they can check the **Show All** checkbox next to the dropdown and the original complete list of users will then display as shown in Figure 6-5.
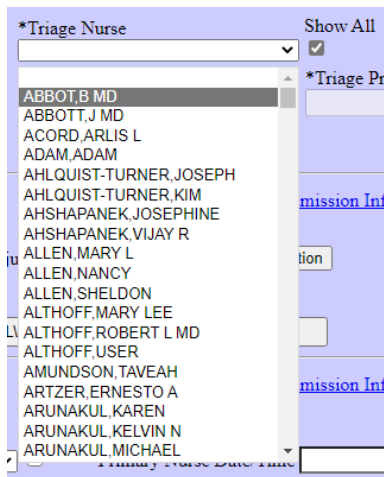

Figure 6-5: Using the Show All checkbox to show all users

Acronym List

Acronym	Meaning
AMER	Emergency Room System
APCD	Patient Care Component PCC Data Entry
BEDD	IHS Emergency Department Dashboard
BJPC	IHS PCC Suite
CIAV	VUECENTRIC FRAMEWORK
CSP	Cache Server Page
DI	FileMan
EDD	Emergency Department Dashboard
EHR	Electronic Health Record
ERS	Emergency Room System
GUI	Graphical User Interface
IHS	Indian Health Service
IIS	Internet Information Services
LEX	Lexicon Utility
RPMS	Resource and Patient Management System
SSL	Secure Sockets Layer
VA	Veterans Administration
XB	IHS/VA Utilities
XU	VA Kernel

Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

Phone: (888) 830-7280 (toll free)

Web: https://www.ihs.gov/itsupport/

Email: itsupport@ihs.gov