RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Emergency Department Dashboard

(BEDD)

Installation Guide and Release Notes

Version 2.0 Patch 6
June 2022

Office of Information Technology
Division of Information Technology
# Table of Contents

1.0 Release Notes ................................................................. 1

2.0 Installation Notes .............................................................. 2

   2.1 Contents of Distribution ................................................. 2

   2.2 Required Resources ...................................................... 2

   2.3 Before You Begin: Installation Issues ......................... 3

3.0 Installation Instructions .................................................... 4

   3.1 Disk Space ................................................................. 4

   3.2 Pre-installation .......................................................... 4

   3.3 Post-installation Instructions ........................................ 4

   3.3.1 Configuring BEDD to Run in Microsoft Edge ............ 4

   3.3.2 ERS Disposition Mapping to NUBC Discharge Code Configuration Step ........................................ 4

4.0 Sample Installations .......................................................... 5

   4.1 Installing the Microsoft WebView2 Runtime Library ......... 5

   4.2 BEDD XML/Ensemble Installation ................................. 7

   4.2.1 Move XML Compressed File to Accessible Folder and Unzip ................................................ 7

   4.2.2 Open Ensemble Studio .............................................. 8

   4.2.3 Import the bedd0200.06.xml file ................................. 9

   4.3 BEDD KIDS Installation ............................................... 11

   4.4 Sample Cache Installation ............................................. 12

5.0 Installation Configuration .................................................. 22

   5.1 Stand Alone Setup ....................................................... 22

   5.2 EHR Setup ............................................................... 26

   5.2.1 Retrieving Existing Internet EDD Setup HOMEPAGE .... 26

   5.2.2 EDD EHR Tab Method Using Edge Component ........... 30

   5.2.3 EDD New EHR Menu Method ................................. 35

6.0 Application Access Setup ................................................ 41

   Acronym List ................................................................. 42

   Contact Information ........................................................ 43
Preface

The purpose of this manual is to provide the user with the information required to install v2.0 patch 6 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 be set up to operate 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 p6

2.1 Contents of Distribution

The BEDD v2.0 p6 distribution contains the following items documented in Table 2-1.

Table 2-1: Contents of Distribution

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bedd0200.06xml.zip (containing bedd0200.06.xml)</td>
<td>Ensemble XML import file</td>
</tr>
<tr>
<td>bedd0200.06k</td>
<td>KIDS file</td>
</tr>
<tr>
<td>bedd0200.06i.pdf</td>
<td>Installation Guide and Release Notes (this document)</td>
</tr>
<tr>
<td>bedd0200.06n</td>
<td>Patch notes</td>
</tr>
<tr>
<td>bedd0200.06o_Configuration_Guide_NUBC.pdf</td>
<td>Configuration Guide for new National Uniform Billing Committee (NUBC) Disposition Mapping Functionality</td>
</tr>
</tbody>
</table>

2.2 Required Resources

Table 2-2 contains RPMS software modules that are required for BEDD v2.0 p6 installation, including pre-requisites for previous BEDD/AMER version/patch installations.

Table 2-2: Required RPMS Software

<table>
<thead>
<tr>
<th>Module</th>
<th>Minimum Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI Veterans Administration FileMan</td>
<td>v22.0 p1020</td>
</tr>
<tr>
<td>XU VA Kernel</td>
<td>v8.0 p1020</td>
</tr>
<tr>
<td>AMER ER Visit System</td>
<td>v3.0 p12</td>
</tr>
<tr>
<td>BEDD IHS Emergency Dept Dashboard</td>
<td>v2.0 p5</td>
</tr>
<tr>
<td>EHR Electronic Health Record</td>
<td>v1.1 p32</td>
</tr>
<tr>
<td>XB IHS/VA Utilities</td>
<td>v3.0 through p11</td>
</tr>
<tr>
<td>APCD Patient Care Component PCC Data Entry</td>
<td>v2.0 through p10 or later</td>
</tr>
<tr>
<td>BJPC IHS PCC Suite</td>
<td>v2.0 p11 or later</td>
</tr>
<tr>
<td>LEX Lexicon Utility</td>
<td>v2.0 p1003 or later</td>
</tr>
<tr>
<td>HealthShare</td>
<td>v2017.2.2 or greater</td>
</tr>
<tr>
<td>CIAV VUECENTRIC FRAMEWORK</td>
<td>v1.1V2</td>
</tr>
</tbody>
</table>
2.3 Before You Begin: Installation Issues

The HealthShare import file (bedd0200.06.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**

The process to install v2.0 p6 of the BEDD application 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 v2.0 of BEDD p6, no significant extra disk space is needed on the server to install the Cache Server Page (CSP) file contained in the bedd0200.06.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 particular 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**

This release enables the ED Dashboard to run in Microsoft Edge. Please see the configuration steps found in Section 5.0 to enable the ED Dashboard to work properly.

3.3.2 **ERS Disposition Mapping to NUBC Discharge Code Configuration Step**

There is a configuration step required after the installation of this release (providing it was not completed after the installation of AMER*3 v3.0 Patch 12). Upon completing the XML and KIDS installations, please refer to the Configuration Guide for new National Uniform Billing Committee (NUBC) Disposition Mapping Functionality (bedd0200.06o.pdf) included with this release for instructions on how to map your site’s ERS disposition codes to NUBC discharge status codes.
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 complete 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.

In addition to the two builds included with this release, the EHR v1.1 patch 31 release contains a new Microsoft Edge browser component. In order for the new component to work properly within EHR (and thus in the ED Dashboard within EHR), the Microsoft WebView2 Runtime Library must be installed. If this library was not installed as part of the EHR v1.1 patch 31 installation, 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

Figure 4-1 contains 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.
**Feature #75160 (CR8473) Update Internet Explorer/Edge**

<table>
<thead>
<tr>
<th>Description: *** Prerequisites: sites must install Webview2 before being able to take advantage the changes made by the CR.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft WebView2 Runtime Library found here: <a href="https://go.microsoft.com/fwlink/p/?LinkId=2124703">https://go.microsoft.com/fwlink/p/?LinkId=2124703</a></td>
</tr>
<tr>
<td>This runtime is required by the new Edge Browser component delivered in this patch.</td>
</tr>
<tr>
<td>Edge being the new browser from Microsoft and IE eventually being 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 etc. (which also use 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 is installed and that would be the sites responsibility to make sure it is installed, if they are using that component.</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

![Figure 4-1: Description of required runtime library from EHR v1.1 patch 31](image)

Once the link has been reached, the MicrosoftEdgeWebview2Setup.exe download file will be downloaded. Click to install the file as shown in Figure 4-2.

![Figure 4-2: Display of downloaded setup file](image)

Clicking on the link will initiate the download of the Microsoft Edge Webview2 Runtime library as shown in Figure 4-3.
Once the download has completed, the library will be installed as shown in Figure 4-4.

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 4-5) and select **Studio**, as shown in Figure 4-6. A logon ID and password may be required.

![Figure 4-5: HealthShare icon on Windows Taskbar](image)

2. The HealthShare Studio window displays, as shown in Figure 4-7.

![Figure 4-6: Open HealthShare Studio](image)
3. On the **File** menu, click **Change Namespace** to open the **Cache Connection Manager** dialog (Figure 4-8).

![Figure 4-7: HealthShare Studio with option to change namespace](image)

4. Select the appropriate Namespace from the **Cache Connection Manager** dialog, (Figure 4-8) and click **OK**.

4.2.3 **Import the bedd0200.06.xml file**

1. On the **Tools** menu (Figure 4-9), select **Import Local**.
2. Navigate to the folder where the file was placed and select bedd0200.06.xml.
Click **Open** (Figure 4-10). The **Import** dialog (Figure 4-11) displays.

![Figure 4-11: Import dialog display](image)

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

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

5. If a warning dialog similar to Figure 4-12 displays after the XML file has been imported, click **OK** to continue.

![Figure 4-12: Studio warning dialog](image)

### 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 `bedd0200.06k` 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 bedd0200.06k contains the following installation file:

   **BEDD**\(^2.0^*6\)

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**\(^2.0^*6\) as the install name.

   Optional: exercise one of the following installation options. In this case, use **BEDD**\(^2.0^*6\) 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, etc.).

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

9. At the Select Install Name prompt, type **BEDD**\(^2.0^*6\).

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\bedd0200.06k**

KIDS Distribution saved on Feb 02, 2022@13:30:48
Comment: BEDD*2.0*6

This Distribution contains Transport Globals for the following Package(s):
   BEDD*2.0*6
Distribution OK!

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

Build BEDD*2.0*6 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES/
   BEDD*2.0*6
Will first run the Environment Check Routine, BEDD2P06
   Patch "XU*8.0*1020" is installed - *PASS*
   Patch "DI*22.0*1020" is installed - *PASS*
   Patch "BEDD*2.0*5" is installed - *PASS*
   Patch "EHR*1.1*32" is installed - *PASS*
   Patch "AMER*3.0*12" is installed - *PASS*

Use INSTALL NAME: BEDD*2.0*6 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 Global
Select INSTALL NAME:  **BEDD*2.0*6** Loaded from Distribution  **2/2/22@13:32:**
56
  => BEDD*2.0*6  ;Created on Feb 02, 2022@13:30:48

This Distribution was loaded on Feb 02, 2022@13:32:56 with header of
  BEDD*2.0*6  ;Created on Feb 02, 2022@13:30:48
It consisted of the following Install(s):
  BEDD*2.0*6

Want each Routine Listed with Checksums: Yes// YES
DEVICE: HOME// VIRTUAL
PACKAGE: BEDD*2.0*6   Feb 02, 2022 1:33 pm   PAGE 1

BEDD2P06  Calculated    5383570
  1 Routine 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*6   Loaded from Distribution   2/2/22@13:32:
  56
  => BEDD*2.0*6  ;Created on Feb 02, 2022@13:30:48

This Distribution was loaded on Feb 02, 2022@13:32:56 with header of
  BEDD*2.0*6  ;Created on Feb 02, 2022@13:30:48
It consisted of the following Install(s):
  BEDD*2.0*6
Checking Install for Package BEDD*2.0*6
Will first run the Environment Check Routine, BEDD2P06
  Patch "XU*8.0*1020" is installed - *PASS*
  Patch "DI*22.0*1020" is installed - *PASS*
  Patch "BEDD*2.0*5" is installed - *PASS*
  Patch "EHR*1.1*32" is installed - *PASS*
  Patch "AMER*3.0*12" is installed - *PASS*

Install Questions for BEDD*2.0*6

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*6 :
Feb 02, 2022@13:33:07

Build Distribution Date: Feb 02, 2022

Installing Routines...
Feb 02, 2022@13:33:07

Running Pre-Install Routine: ENT^BEDD2P06.
Compilation started on 02/02/2022 13:33:07 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 BEDD.EDDiagnosis
Compiling class BEDD.EDConsults
Compiling class BEDD.EDInjury
Compiling class BEDD.EDProc
Compiling class BEDD.EDRoomUse
Compiling class BEDD.EDRooms
Compiling class BEDDAPPL.EDRoomModel
Compiling class BEDD.EDWarning
Compiling class BEDDAPPL.EDWarningModel
Compiling class BEDD.EDUserPreferences
Compiling class BEDDAPPL.EDSystemModel
Compiling class BEDD.EDSYSTEM
Compiling class BEDDAPPL.EDMenu
Compiling class BEDD.EDVISIT
Compiling table BEDD.EDRooms
Compiling table BEDD.EDDiagnosis
Compiling table BEDD.EDUserPreferences
Compiling table BEDD.EDWarning
Compiling table BEDD.EDRoomUse
Compiling table BEDD.EDProc
Compiling table BEDD.EDConsults
Compiling table BEDD.EDSYSTEM
Compiling table BEDD.EDVISIT
Compiling routine BEDDAPPL.EDRoomModel.1
Compiling routine BEDDAPPL.EDWarningModel.1
Compiling routine BEDDAPPL.EDSystemModel.1
Compiling routine BEDDAPPL.EDMenu.1
Compiling routine BEDD.EDInjury.1
Compiling routine BEDD.EDWarning.1
Compiling routine BEDD.EDDiagnosis.1
Compiling routine BEDD.EDUserPreferences.1
Compiling routine BEDD.EDRoomUse.1
Compiling routine BEDD.EDRooms.1
Compiling routine BEDD.EDProc.1
Compiling routine BEDD.EDConsults.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.EDWarning.1
Compiling routine BEDDAPPL.EDSystem.1
Compiling routine BEDDAPPL.EDManager.1
Compiling routine BEDDAPPL.EDRoom.1
Compiling routine BEDDAPPL.EDWarning.1
Compiling routine BEDDAPPL.EDSystem.1
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL_3.css
Compiling file /csp/healthshare/chitt/BEDDAPPL.js
Compiling file /csp/healthshare/chitt/BEDDAPPL.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_3.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_4.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_5.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_6.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_7.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_8.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_9.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_10.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_11.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_12.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_13.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_14.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_15.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_16.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_17.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_18.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_19.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_20.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_21.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_22.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_23.css
Compiling file /csp/healthshare/chitt/BEDDAPPL_24.css
Compiling routine csp.beddclogrpt.1
Compiling routine csp.beddcitmrpt.1
Compiling routine csp.bedddctmrpt.1
Compiling routine csp.bedddcmrpt.1
Compiling routine csp.beddddc.1
Compiling routine csp.beddddcv.1
Compiling routine csp.bedddclmrpt.1
Compiling routine csp.bedddcrpt.1
Compiling routine csp.bedddcv.1
Compiling routine csp.bedddc.1
Compiling routine csp.beddclogrpt.1
Compiling routine csp.beddlckit.1
Compiling routine csp.beddrmtmrpt.1
Compiling routine csp.beddtrg.1
Compiling routine csp.beddua.1
Compiling routine csp.beddlosrpt.1
Compiling routine csp.beddloginsrpt.1
Compiling routine csp.beddlock.1
Compiling routine csp.beddrptmnu.1
Compiling routine csp.beddcons.1
Compiling routine csp.beddedcv.1
Compiling routine csp.beddinj.1
Compiling routine csp.bedddiag.1
Compiling routine csp.beddproc.1
Compiling routine csp.bedd.1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 2.898s.

Compilation started on 02/02/2022 13:33:09 with qualifiers 'k-u'
Compiling routine : BEDD2X01.int
Compiling routine : BEDDPREF.int
Compiling routine : BEDDUTW1.int
Compiling routine : BEDDUTW.int
Compiling routine : BEDDUTIS.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.EDSystemModel.1
Compiling routine BEDDAPPL.EDMenu.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\chitt\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL_3.css
Compiling file /csp/healthshare/chitt/BEDD.csp
Compiling file /csp/healthshare/chitt/BEDDEDIT1.csp
Compiling file /csp/healthshare/chitt/BEDDLCKIT.csp
Compiling file /csp/healthshare/chitt/BEDDLCKREL.csp
Compiling file /csp/healthshare/chitt/BEDDLOGIN1.csp
Compiling file /csp/healthshare/chitt/BEDDPROC.csp
Compiling 6 classes, using 6 worker jobs
Compiling class csp.bedd
Compiling class csp.beddloginsrpt.1
Compiling class csp.beddlock
Compiling class csp.beddlock
Compiling class csp.beddlock
Compiling routine csp.beddlock.1
Compiling routine csp.beddlock.1
Compiling routine csp.beddlock.1
Compiling routine csp.beddlock.1
Compiling routine csp.beddropout.1
Compiling routine csp.beddropout.1
Compiling routine csp.beddropout.1
Compilation finished successfully in 1.707s.

Compilation started on 02/02/2022 13:33:11 with qualifiers 'k-u'

Compiling routine : BEDD2X02.int
Compiling routine : BEDDUTW1.int
Compiling routine : BEDDRPT.int
Compiling routine : BEDDUTW.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\chitt\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL_3.css

Compiling file /csp/healthshare/chitt/BEDD.csp
Compiling file /csp/healthshare/chitt/BEDDAdmit.csp
Compiling file /csp/healthshare/chitt/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/chitt/BEDDCONS.csp
Compiling file /csp/healthshare/chitt/BEDDDC.csp
Compiling file /csp/healthshare/chitt/BEDDDCVRpt.csp
Compiling file /csp/healthshare/chitt/BEDDLogin.csp
Compiling file /csp/healthshare/chitt/BEDDLogin1.csp
Compiling file /csp/healthshare/chitt/BEDDPROC.csp
Compiling file /csp/healthshare/chitt/BEDDRPTMNU.csp

Compiling 16 classes, using 16 worker jobs
Compiling class csp.bedd
Compiling class csp.beddadmit
Compiling class csp.beddedit1
Compiling class csp.beddeditcv
Compiling class csp.beddlogn1
Compiling class csp.beddcc
Compiling class csp.beddckit
Compiling class csp.beddcklogrpt
Compiling class csp.beddcons
Compiling class csp.beddlogin
Compiling class csp.beddcc
Compiling class csp.beddrcpt
Compiling class csp.beddckrel
Compiling class csp.beddcc
Compiling class csp.beddcc
Compiling routine csp.beddckrel.1
Compiling routine csp.beddcclogrpt.1
Compiling routine csp.beddrcpt.1
Compiling routine csp.beddcclogrpt.1
Compiling routine csp.beddlogin1.1
Compiling routine csp.bededc1
Compiling routine csp.bededcv1
Compiling routine csp.beddproc1
Compiling routine csp.bedddiag1
Compiling routine csp.beddcons1
Compiling routine csp.beddinj1
Compiling routine csp.beddcc1
Compiling routine csp.bedd1
Compiling routine csp.beddadmit1
Compiling routine csp.beddedit1.1
Compilation finished successfully in 2.107s.

Compilation started on 02/02/2022 13:33:13 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/chitt/BEDD.csp
Compiling file /csp/healthshare/chitt/BEDDAdmit.csp
Compiling file /csp/healthshare/chitt/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/chitt/BEDDDC.csp
Compiling file /csp/healthshare/chitt/BEDDEDVC.csp
Compiling file /csp/healthshare/chitt/BEDDEDIT1.csp
Compiling file /csp/healthshare/chitt/BEDDLOSRPT.csp
Compiling 7 classes
Compiling class csp.bedd
Compiling class csp.beddadmit
Compiling class csp.beddclogrpt
Compiling class csp.bedddc
Compiling class csp.beddcv
Compiling class csp.beddedit1
Compiling class csp.beddlosrpt
Compiling routine csp.bedd1
Compiling routine csp.beddadmit1
Compiling routine csp.beddclogrpt1
Compiling routine csp.bedddc1
Compiling routine csp.beddcv1
Compiling routine csp.beddedit1.1
Compiling routine csp.beddlosrpt1
Compilation finished successfully in 1.777s.

Compilation started on 02/02/2022 13:33:15 with qualifiers 'k-u'
Compiling routine : BEDD2X04.int
Compiling routine : BEDDUTW1.int
Compiling routine : BEDDRPT.int
Compiling routine : BEDDVFX1.int
Compiling routine : BEDDUTW.int
Compiling routine : BEDDUTIS.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 class BEDDAPPL.EDSystemModel
Compiling routine BEDDAPPL.EDSystemModel.1
Compiling routine BEDDAPPL.EDMenu.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\chitt\BEDDAPPL.js
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL.css
Generating file: E:\InterSystems\HealthShare\CSP\healthshare\chitt\BEDDAPPL_3.css
Compiling file /csp/healthshare/chitt/BEDDAdmit.csp
Compiling file /csp/healthshare/chitt/BEEDCHFCMP.csp
Compiling file /csp/healthshare/chitt/BEDDDC.csp
Compiling file /csp/healthshare/chitt/BEEDEDIT1.csp
Compiling 5 classes, using 5 worker jobs
Compiling class csp.bedddc
Compiling class csp.beddedit1
Compiling class csp.bedd
Compiling class csp.beddchfcmp
Compiling class csp.beddadmit
Compiling routine csp.beddchfcmp.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 1.948s.

Compilation started on 02/02/2022 13:33:17 with qualifiers 'k-u'
Compiling routine : BEDD2X05.int
Compiling file /csp/healthshare/chitt/BEDDLogin.csp
Compiling file /csp/healthshare/chitt/BEDDLogin1.csp
Compiling 2 classes, using 2 worker jobs
Compiling class csp.beddlogin
Compiling class csp.beddlogin1
Compiling routine csp.beddlogin
Compiling routine csp.beddlogin1
Compilation finished successfully in 0.051s.

Compilation started on 02/02/2022 13:33:17 with qualifiers 'k-u'
Compiling routine : BEDD2X06.int
Compiling routine : BEDDRPT.int
Compiling file /csp/healthshare/chitt/BEDD.csp
Compiling file /csp/healthshare/chitt/BEDDAAdmit.csp
Compiling file /csp/healthshare/chitt/BEEDCHFCMP.csp
Compiling file /csp/healthshare/chitt/BEDDCLOGRPT.csp
Compiling file /csp/healthshare/chitt/BEEDDCONS.csp
Compiling file /csp/healthshare/chitt/BEEDDC.csp
Compiling file /csp/healthshare/chitt/BEEDDIAG.csp
Compiling file /csp/healthshare/chitt/BEEDEDC.csp
Compiling file /csp/healthshare/chitt/BEEDEDCV.csp
Compiling file /csp/healthshare/chitt/BEEDEDIT1.csp
Compiling file /csp/healthshare/chitt/BEEDINJ.csp
Compiling file /csp/healthshare/chitt/BEEDICKIT.csp
Compiling file /csp/healthshare/chitt/BEEDPROC.csp
Compiling file /csp/healthshare/chitt/BEEDRPTMNU.csp
Compiling 14 classes, using 14 worker jobs
Compiling class csp.beddinj
Compiling class csp.bedd
Compiling class csp.beddproc
Compiling class csp.beddchfcmp
Compiling class csp.beddedit1
Compiling class csp.beddadmit
Compiling class csp.bedddc
Compiling class csp.beddprtmenu
Compiling class csp.beddcons
Compiling class csp.bedddiag
<table>
<thead>
<tr>
<th>Compilation Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compiling class csp.beddclogrpt</td>
</tr>
<tr>
<td>Compiling class csp.beddedcv</td>
</tr>
<tr>
<td>Compiling class csp.beddlckit</td>
</tr>
<tr>
<td>Compiling class csp.beddeddc</td>
</tr>
<tr>
<td>Compiling routine csp.beddrptmnu.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddlckit.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddchfcmp.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddedc.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddclogrpt.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddedcv.1</td>
</tr>
<tr>
<td>Compiling routine csp.bedddc.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddproc.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddcons.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddinj.1</td>
</tr>
<tr>
<td>Compiling routine csp.bedddiag.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddd.1</td>
</tr>
<tr>
<td>Compiling routine csp.bedddc.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddadmit.1</td>
</tr>
<tr>
<td>Compiling routine csp.beddedit1.1</td>
</tr>
</tbody>
</table>

Compilation finished successfully in 1.194s.

Compilation started on 02/02/2022 13:33:18 with qualifiers 'k-u'
Compilation finished successfully in 0.002s.

 Updating Routine file......
 Updating KIDS files.......  

BEDD*2.0*6 Installed.  
Feb 02, 2022@13:33:18  

Not a VA primary domain  

NO Install Message sent
5.0 Installation Configuration

BEDD v2.0 patch 6 will enable the EDD to be viewed in the new Microsoft Edge EHR component. The following instructions describe how to set up the EDD so that it works in Edge.

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 up 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.

   b. Right-click on the shortcut and select **Properties** as shown in Figure 5-1.

   ![Figure 5-1: ED Dashboard shortcut Properties selection](image)

   c. Navigate to the **Web Document** tab and copy the value of the entire URL property as shown in Figure 5-2.)

   ![Figure 5-2: ED Dashboard shortcut URL](image)
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).
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 the New Shortcut](image)

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 `-nomerge` (do not copy and paste this information into the link. Instead, type it by hand)
   - 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:
     
     ![IPADDRESS:PORT/csp/bedd/BEDDLogin.csp](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 similar to the following example (see Figure 5-5):

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

  Where URL and PORT represent the proper values for your site.

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:

   - HealthShare Login Credential Request (Figure 5-6) – Log into HealthShare with the appropriate login HealthShare User Name and Password.
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.
2. Right-click anywhere on the whitespace on the tab page and select **Properties** as show in Figure 5-9.

3. In the **Properties** dialog that displays, copy the entire string of information stored in the **HOMEPAGE** property as shown in Figure 5-10.
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.
2. In the **Properties for Desktop** dialog, click on the **Customize Menus** property as shown in Figure 5-13.

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

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.
2. From the **Design** menu option, select **Layout Manager** as in Figure 5-17.

![Figure 5-17: EHR Layout Manager](image)

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](image)

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](image)

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](image)

8. Right-click on the new **Edge Browser** object and select **Properties** as shown in Figure 5-23:
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/EDDDLogin.csp?DUZ=$(user.handle)&SITE=$(site.handle)&LOC=EHR
```

Figure 5-23: Selecting Edge Browser Properties

Figure 5-24: Enter the ED Dashboard Website
10. 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: Deleting the existing ED Dashboard EHR tab.

11. 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.
2. On the **Shortcut** tab, copy the information contained in the **Target** property for later use as show in Figure 5-27.

3. Now, in EHR right-click in the title bar at the top and choose **Design Mode** as indicated in Figure 5-28.
4. Select **Design**, then **Desktop Properties** as displayed in Figure 5-29.
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: Customize Menus](image)
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\Internet Explorer\iexplore.exe -nomerge
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 Setup

Other than the new setup for the Microsoft Edge browser described in Section 5.0, BEDD v2.0 patch 6 does not require an additional setup change.

BEDD v2.0 patch 6 does take advantage of new AMER setting delivered in AMER v3.0 patch 12. Please see the AMER patch 12 Release Notes for directions on using these new settings.
## Acronym List

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