



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Emergency Department Dashboard

(BEDD)

Addendum to the Installation Guide and Release Notes

Version 2.0 Patch 2 September 2017

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 Version 2.0 Patch 2 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 (ERS) in the AMER namespace. EDD was built on the ERS 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: ERS, Dashboard Edit, or EHR data or a combination of all three.

2.0 Installation Notes

Prefix: BEDD Current Version: 2.0 Patch 2

2.1 Contents of Distribution

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

Table 2-1: Contents of Distribution

File	Description
bedd0200.02.xml	Ensemble XML import file
bedd0200.02k	KIDS file
bedd0200.02i.pdf	Addendum to the Installation manual and release notes (this document)
bedd0200.02t.pdf	Addendum to the Technical manual
bedd0200.020.pdf	Addendum to the User guide
bedd0200.02n	Patch notes

2.2 Required Resources

Table 2-2 contains the RPMS software which is required in order for the BEDD software to run properly.

Table 2-2: Required RPMS software

Module	Minimum Version
Veterans Administration (VA) FileMan (DI)	v22.0 Patch 1003
VA Kernel (XU)	v8.0 Patch 1015
IHS/VA Utilities (XB)	v3.0 through Patch 11
ER Visit System (AMER)	V3.0 Patch 9
IHS EMERGENCY DEPT DASHBOARD (BEDD)	V2.0 Patch 1
Patient Care Component PCC Data Entry (APCD)	v2.0 through Patch 10
IHS PCC Suite (BJPC)	v2.0 Patch 11
EHR 1.1	v1.1 Patch 14
Lexicon Utility (LEX)	v2.0 Patch 1003
Ensemble	v2012.2.5

Installation Notes

Module	Minimum Version
VUECENTRIC FRAMEWORK (CIAV)	V1.1v2

2.3 Before You Begin: Installation Issues

The Ensemble import file (bedd0200.02.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 Ensemble. 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 version 2.0 Patch 2 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 Ensemble first. Following the XML installation will be a standard KIDS build installation.

3.1 Disk Space

With Version 2.0 of BEDD Patch 2, no significant extra disk space is needed on the server to install the Cache Server Page (CSP) and Cache Class files contained in the bedd0200.02.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.

4.0 Sample Installations

There are two builds which need to be installed with this release, an XML build and a KIDS build. In order 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 and install the XML build and then install the KIDS build a second time.

4.1 BEDD XML/Ensemble Installation

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

4.1.1 Move XML Compressed File to Accessible Folder and Unzip

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

4.1.2 Open Ensemble Studio

1. **Click the Ensemble cube** in the system tray (at the right end of the Windows Taskbar) and click **Studio**, as shown in Figure 4-1. A login ID and password may be required.





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Sample Installations

- 2. The Ensemble Studio window is displayed, as shown in Figure 4-2.
- 3. On the **File** menu, click **Change Namespace** to open the **Cache Connection Manager** dialog box.

beverett Ensemb	Die Show Server 2012/TEST/ Default_beverett St	50	10 X
FAR Eak . Wen Pro	oject Build Debug Tools Utilities Window Help		
Charge Namason	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Des.	DH-N CH+O		H Transition FAIDW Server 2012 TH Se Transition FAIDW Server 2012 TH Se Games P GB Activity In Column
Nave Project Open Project Save Project Save Project Ad Clove Project	Chi+SME+O		s ∎ Corina + ≧ teve
Print Setup			
Rgcont Fdes			
Receit Projects			
Els			
			×

Figure 4-2: Ensemble Studio with option to change namespace

4. Select the appropriate namespace from the **Cache Connection Manager** dialog box and click **OK**, as shown in Figure 4-3.



Figure 4-3: Select the appropriate namespace to import to

4.1.3 Import the bedd0200.02.xml file

1. On the Tools menu, click Import Local as seen in Figure 4-4.



Figure 4-4: Accessing the Import Local menu option

2. Navigate to the appropriate folder where the file was placed, and select **bedd0200.02.xml** and click **Open** (Figure 4-5), to display the **Import** dialog box, as shown in Figure 4-6.

🕺 Open					×	B Ensemble-SNOW Server 2012:TEST7
00	Computer • HIV_TEST (\\F3420-BHSDBE	01) (Z:) • BEDD •		• 😆 Search BE	DD 🗾	Business Operations
Organize	 New folder 				. • 🗋 😧	Business Processes
<u>*</u> 주	Name *	Date modified	Type	Size		B Data Transformations
	. 8EDD v1.0	8/2/2016 2:01 PM	File folder			Messages Freductions
-	L 8EDD v1.0 p1	1/11/2017 11:57 AM	File folder			🖹 🛄 Rules
-	BEDD v2.0	9/28/2016 2:50 PM	File folder			
	BEDD v2.0 p1	7/20/2017 11:33 AM	File folder			
	BEDD v2.0 p2	8/8/2017 10:56 AM	File folder			
	Bedd0200.02.xml	B/15/2017 10:51 PM	XML Document	445 K8		
	beddo200.02k	8/15/2017 10:49 PM	02K File	102 KB		
8	File name: bedd0200.02.xml			All Files (*.*)		
				Open	Cancel	H + + H Production Project / Window
					11.	
rting CSP/CSR o rting CSP/CSR o rting CSP/CSR o rt finished suc le 2:\bedd0200.	r file: /csp/dev//BEDDLo r file: /csp/dev7/BEDDPR r file: /csp/dev7/BEDDRP cessfully. 02i4.xml	ginl.csp OC.csp TMNU.csp				1
						-1

Figure 4-5: Selecting the XML build to import

	- Index		A	Ensemble-SNOW Server 2012:TES
	Select remis you was to import	Les eur		
	BEDC EDS/STEM dis bidd320802.01 BEDCAPR_EDMenu dis BEDCAPR_EDMENU dia dia BEDCAPR_EDMENU dia dia BEDCAPR_EDMENU dia dia BEDCAPR_EDMENU dia dia BEDCAPR_EDMENU dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia dia pondia dana sia dia dia pondia dana dia dana dana dana dia dana dana dana dana dana dana da	2017-00-15 22:51. 2017-00-15 22:51.	2017-07-11 08:27. 2017-08-31 2019 2017-04-27 10:28 2017-04-28 16:41 2017-04-28 16:41 2017-04-28 17-08 2017-04-28 17-08 2017-04-28 17-08 2017-04-28 17-08 2017-04-28 09:40 2017-04-29 09:50 2017-04-29 09:50 2017-04-29 09:50 2017-04-15 13:04 2017-04-15 13:04	 Butness Processes Butness Processes Data Transformations Mesopei Productions Rules
	Select All Unselect All		OK Cencel	H 4 + H Production Project / Win
Culput				
Exporting CSP/CSR or f Exporting CSP/CSR or f Exporting CSP/CSR or f Export finished succes File Z:\bedd0200.02i	<pre>ile: /csp/dev7/BEDDLog ile: /csp/dev7/BEDDPRG ile: /csp/dev7/BEDDRP1 sfully. 4.xml</pre>	iinl.csp X.csp MNU.csp		

Figure 4-6 Import Dialog box display

- 3. In the **Import** dialog box, all items in the list need to be selected and **Compile Imported Items** options needs to be selected.
- 4. Click **OK**. After the system compiles the EDD package files, the **Compilation finished successfully in...** message appears in the Output pane.
- 5. A warning dialog box similar to Figure 4-7 may be displayed after the XML file has been imported. Click **OK** to continue.

Studio	×
♪	More than 8 items will be added to project. Items will not be automatically opened.
	OK

Figure 4-7: Studio warning dialog box

4.2 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 **bedd0200.02k** 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 the ENTER key to accept the default) at the "Want to Continue with Load? YES//" prompt.
- 5. KIDS file bedd0200.02k contains the following installation file:

BEDD*2.0*2

- 6. From the **Installation** menu, select **Option 2: Verify Checksums in Transport Global**. This option provides a mechanism for ensuring the integrity of your routines. This step verifies checksums for the components of the Transport global, and reports any errors uncovered.
- 7. Type **BEDD*2.0*2** as the install name.

Optional: At this time, you can elect to exercise one of the following installation options. If you elect to use one of these, use BEDD*2.0*2 as the install name.

- a. 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.
- b. Compare Transport Global this option allows you to view 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*2.
- 10. Respond to the following prompts as indicated:
 - a. At the Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// prompt, type NO.
 - b. At the **Want KIDS to INHIBIT LOGONs during the install?//YES** prompt, type **NO**.
 - c. At the Want to DISABLE Scheduled Options, Menu Options and Protocols?// YES prompt, type NO.
- 11. Type the device that will print the install messages.
- 12. Exit the **Installation** menu.

4.3 Sample Cache Install

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 ...
You have PENDING ALERTS
         Enter "VA to jump to VIEW ALERTS option
Select Kernel Installation & Distribution System <TEST ACCOUNT> Option:
Installation
   1
         Load a Distribution
         Verify Checksums in Transport Global
   2
   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: 1 Load a Distribution
Enter a Host File: C:\RPMS\bedd0200.02k
KIDS Distribution saved on Aug 30, 2017@19:35:17
Comment: BEDD*2.0*2
This Distribution contains Transport Globals for the following Package(s):
  BEDD*2.0*2
Distribution OK!
Want to Continue with Load? YES//
Loading Distribution...
Build BEDD*2.0*2 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  BEDD*2.0*2
Will first run the Environment Check Routine, BEDD2P02
Use INSTALL NAME: BEDD*2.0*2 to install this Distribution.
         Load a Distribution
   1
   2
         Verify Checksums in Transport Global
   3
         Print Transport Global
         Compare Transport Global to Current System
   4
   5
         Backup a Transport Global
         Install Package(s)
   6
         Restart Install of Package(s)
         Unload a Distribution
```

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```
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*2 Loaded from Distribution
8/30/17@19:37
:49
     => BEDD*2.0*2 ;Created on Aug 30, 2017@19:35:17
This Distribution was loaded on Aug 30, 2017@19:37:49 with header of
  BEDD*2.0*2 ;Created on Aug 30, 2017@19:35:17
  It consisted of the following Install(s):
    BEDD*2.0*2
Want each Routine Listed with Checksums: Yes// YES
DEVICE: HOME// Virtual
PACKAGE: BEDD*2.0*2 Aug 30, 2017 7:37 pm
                                                                    PAGE
1
BEDD2P02 Calculated 5417680
BEDDADM Calculated 93812099
BEDDCPRT Calculated 36919
BEDDPCC Calculated 4514773
BEDDPLKP Calculated 23807225
BEDDPRT Calculated 23997061
BEDDUTID Calculated 183882346
BEDDUTIL Calculated 169161655
   8 Routines checked, 0 failed.
       Load a Distribution
  1
         Verify Checksums in Transport Global
   2
        Print Transport Global
   3
        Compare Transport Global to Current System
   4
   5
        Backup a Transport Global
   б
        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*2 Loaded from Distribution
8/30/17@19:37
:49
    => BEDD*2.0*2 ;Created on Aug 30, 2017@19:35:17
This Distribution was loaded on Aug 30, 2017@19:37:49 with header of
  BEDD*2.0*2 ;Created on Aug 30, 2017@19:35:17
   It consisted of the following Install(s):
    BEDD*2.0*2
```

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```
Checking Install for Package BEDD*2.0*2
Will first run the Environment Check Routine, BEDD2P02
Install Ouestions for BEDD*2.0*2
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
qqqqq
 Install Started for BEDD*2.0*2 :
              Aug 30, 2017@19:37:58
Build Distribution Date: Aug 30, 2017
 Installing Routines:
              Aug 30, 2017@19:37:58
Running Post-Install Routine: ENT^BEDD2P02
Compilation started on 08/30/2017 19:37:59 with qualifiers 'k-u'
Compiling routine : BEDD2XML.INT
Compiling routine : BEDDRPT.INT
Compiling routine : BEDDUTIS.INT
Compiling routine : BEDDUTW.INT, compiling 18 classes
Compiling class BEDD.EDConsults
Compiling class BEDD.EDDiagnosis
Compiling class BEDD.EDInjury
Compiling class BEDD.EDProc
Compiling class BEDD.EDRoomUse
Compiling class BEDD.EDRooms
Compiling class BEDD.EDSYSTEM
Compiling class BEDD.EDUserPreferences
Compiling class BEDD.EDWarning
Compiling class BEDDAPPL.EDMenu
Compiling class BEDDAPPL.EDRoomModel
Compiling class BEDDAPPL.EDSystemModel
Compiling class BEDDAPPL.EDWarningModel
Compiling class BEDD.EDVISIT
Compiling table BEDD.EDConsults
Compiling table BEDD.EDDiagnosis
Compiling table BEDD.EDProc
Compiling table BEDD.EDRoomUse
Compiling table BEDD.EDRooms
Compiling table BEDD.EDSYSTEM
Compiling table BEDD.EDUserPreferences
Compiling table BEDD.EDVISIT
Compiling table BEDD.EDWarning
Compiling routine BEDD.EDConsults.1
Compiling routine BEDD.EDDiagnosis.1
Compiling routine BEDD.EDInjury.1
Compiling routine BEDD.EDProc.1
Compiling routine BEDD.EDRoomUse.1
```

```
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```

Sample Installations

Compiling routine BEDD.EDRooms.1 Compiling routine BEDD.EDSYSTEM.1 Compiling routine BEDD.EDUserPreferences.1 Compiling routine BEDD.EDWarning.1 Compiling routine BEDDAPPL.EDMenu.1 Compiling routine BEDDAPPL.EDRoomModel.1 Compiling routine BEDDAPPL.EDSystemModel.1 Compiling routine BEDDAPPL.EDWarningModel.1 Compiling routine BEDD.EDVISIT.1 Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL.js Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL.css Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL_3.css Compiling class BEDDAPPL.EDManager Compiling class BEDDAPPL.EDRoom Compiling class BEDDAPPL.EDSystem Compiling class BEDDAPPL.EDWarning Compiling routine BEDDAPPL.EDManager.1 Compiling routine BEDDAPPL.EDRoom.1 Compiling routine BEDDAPPL.EDSystem.1 Compiling routine BEDDAPPL.EDWarning.1 Compiling file /csp/test7/BEDD.csp Compiling file /csp/test7/BEDDASRPT.csp Compiling file /csp/test7/BEDDCITMRPT.csp Compiling file /csp/test7/BEDDCLOGRPT.csp Compiling file /csp/test7/BEDDCONS.csp Compiling file /csp/test7/BEDDDC.csp Compiling file /csp/test7/BEDDDCTMRPT.csp Compiling file /csp/test7/BEDDDIAG.csp Compiling file /csp/test7/BEDDEDC.csp Compiling file /csp/test7/BEDDEDCV.csp Compiling file /csp/test7/BEDDEDIT1.csp Compiling file /csp/test7/BEDDIL.csp Compiling file /csp/test7/BEDDINJ.csp Compiling file /csp/test7/BEDDLCKIT.csp Compiling file /csp/test7/BEDDLCKREL.csp Compiling file /csp/test7/BEDDLOSRPT.csp Compiling file /csp/test7/BEDDLogin.csp Compiling file /csp/test7/BEDDLogin1.csp Compiling file /csp/test7/BEDDPROC.csp Compiling file /csp/test7/BEDDRMTMRPT.csp Compiling file /csp/test7/BEDDRPTMNU.csp Compiling file /csp/test7/BEDDTRG.csp Compiling file /csp/test7/BEDDUA.csp Compiling file /csp/test7/BEDDUNLOCK.csp, compiling 24 classes Compiling class csp.bedd Compiling class csp.beddasrpt Compiling class csp.beddcitmrpt Compiling class csp.beddclogrpt Compiling class csp.beddcons Compiling class csp.bedddc Compiling class csp.bedddctmrpt Compiling class csp.bedddiag Compiling class csp.beddedc Compiling class csp.beddedcv Compiling class csp.beddedit1 Compiling class csp.beddil Compiling class csp.beddinj Compiling class csp.beddlckit Compiling class csp.beddlckrel Compiling class csp.beddlogin Compiling class csp.beddlogin1

Compiling class csp.beddlosrpt Compiling class csp.beddproc Compiling class csp.beddrmtmrpt Compiling class csp.beddrptmnu Compiling class csp.beddtrg Compiling class csp.beddua Compiling class csp.beddunlock Compiling routine csp.bedd.1 Compiling routine csp.beddasrpt.1 Compiling routine csp.beddcitmrpt.1 Compiling routine csp.beddclogrpt.1 Compiling routine csp.beddcons.1 Compiling routine csp.bedddc.1 Compiling routine csp.bedddctmrpt.1 Compiling routine csp.bedddiag.1 Compiling routine csp.beddedc.1 Compiling routine csp.beddedcv.1 Compiling routine csp.beddedit1.1 Compiling routine csp.beddil.1 Compiling routine csp.beddinj.1 Compiling routine csp.beddlckit.1 Compiling routine csp.beddlckrel.1 Compiling routine csp.beddlogin.1 Compiling routine csp.beddlogin1.1 Compiling routine csp.beddlosrpt.1 Compiling routine csp.beddproc.1 Compiling routine csp.beddrmtmrpt.1 Compiling routine csp.beddrptmnu.1 Compiling routine csp.beddtrq.1 Compiling routine csp.beddua.1 Compiling routine csp.beddunlock.1 Compilation finished successfully in 9.646s. Compilation started on 08/30/2017 19:38:08 with qualifiers 'k-u' Compiling routine : BEDD2X01.INT Compiling routine : BEDDPREF.INT Compiling routine : BEDDUTIS.INT Compiling routine : BEDDUTW.INT Compiling routine : BEDDUTW1.INT, compiling 6 classes Compiling class BEDD.EDSYSTEM Compiling class BEDD.EDUserPreferences Compiling class BEDD.EDVISIT Compiling class BEDDAPPL.EDMenu Compiling class BEDDAPPL.EDSystemModel Compiling table BEDD.EDSYSTEM Compiling table BEDD.EDUserPreferences Compiling table BEDD.EDVISIT Compiling routine BEDD.EDSYSTEM.1 Compiling routine BEDD.EDUserPreferences.1 Compiling routine BEDD.EDVISIT.1 Compiling routine BEDDAPPL.EDMenu.1 Compiling routine BEDDAPPL.EDSystemModel.1 Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL.js Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL.css Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL_3.css Compiling class BEDDAPPL.EDSystem Compiling routine BEDDAPPL.EDSystem.1 Compiling file /csp/test7/BEDD.csp Compiling file /csp/test7/BEDDEDIT1.csp Compiling file /csp/test7/BEDDLCKIT.csp Compiling file /csp/test7/BEDDLCKREL.csp

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Compiling file /csp/test7/BEDDLogin1.csp Compiling file /csp/test7/BEDDPROC.csp, compiling 6 classes Compiling class csp.bedd Compiling class csp.beddedit1 Compiling class csp.beddlckit Compiling class csp.beddlckrel Compiling class csp.beddlogin1 Compiling class csp.beddproc Compiling routine csp.bedd.1 Compiling routine csp.beddedit1.1 Compiling routine csp.beddlckit.1 Compiling routine csp.beddlckrel.1 Compiling routine csp.beddlogin1.1 Compiling routine csp.beddproc.1 Compilation finished successfully in 3.661s. Compilation started on 08/30/2017 19:38:12 with qualifiers 'k-u' Compiling routine : BEDD2X02.INT Compiling routine : BEDDRPT.INT Compiling routine : BEDDUTW.INT Compiling routine : BEDDUTW1.INT, compiling 6 classes Compiling class BEDD.EDSYSTEM Compiling class BEDDAPPL.EDMenu Compiling class BEDDAPPL.EDSystemModel Compiling table BEDD.EDSYSTEM Compiling routine BEDD.EDSYSTEM.1 Compiling routine BEDDAPPL.EDMenu.1 Compiling routine BEDDAPPL.EDSystemModel.1 Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL.js Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL.css Generating file: D:\intersystems\E3IHS\CSP\test7\BEDDAPPL_3.css Compiling class BEDDAPPL.EDRoom Compiling class BEDDAPPL.EDSystem Compiling class BEDDAPPL.EDWarning Compiling routine BEDDAPPL.EDRoom.1 Compiling routine BEDDAPPL.EDSystem.1 Compiling routine BEDDAPPL.EDWarning.1 Compiling file /csp/test7/BEDD.csp Compiling file /csp/test7/BEDDAdmit.csp Compiling file /csp/test7/BEDDCLOGRPT.csp Compiling file /csp/test7/BEDDCONS.csp Compiling file /csp/test7/BEDDDC.csp Compiling file /csp/test7/BEDDDIAG.csp Compiling file /csp/test7/BEDDEDC.csp Compiling file /csp/test7/BEDDEDCV.csp Compiling file /csp/test7/BEDDEDIT1.csp Compiling file /csp/test7/BEDDINJ.csp Compiling file /csp/test7/BEDDLCKIT.csp Compiling file /csp/test7/BEDDLCKREL.csp Compiling file /csp/test7/BEDDLogin.csp Compiling file /csp/test7/BEDDLogin1.csp Compiling file /csp/test7/BEDDPROC.csp Compiling file /csp/test7/BEDDRPTMNU.csp, compiling 16 classes Compiling class csp.bedd Compiling class csp.beddadmit Compiling class csp.beddclogrpt Compiling class csp.beddcons Compiling class csp.bedddc Compiling class csp.bedddiag Compiling class csp.beddedc Compiling class csp.beddedcv

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Sample Installations

```
Compiling class csp.beddedit1
Compiling class csp.beddinj
Compiling class csp.beddlckit
Compiling class csp.beddlckrel
Compiling class csp.beddlogin
Compiling class csp.beddlogin1
Compiling class csp.beddproc
Compiling class csp.beddrptmnu
Compiling routine csp.bedd.1
Compiling routine csp.beddadmit.1
Compiling routine csp.beddclogrpt.1
Compiling routine csp.beddcons.1
Compiling routine csp.bedddc.1
Compiling routine csp.bedddiag.1
Compiling routine csp.beddedc.1
Compiling routine csp.beddedcv.1
Compiling routine csp.beddedit1.1
Compiling routine csp.beddinj.1
Compiling routine csp.beddlckit.1
Compiling routine csp.beddlckrel.1
Compiling routine csp.beddlogin.1
Compiling routine csp.beddlogin1.1
Compiling routine csp.beddproc.1
Compiling routine csp.beddrptmnu.1
Compilation finished successfully in 4.397s.
Compilation started on 08/30/2017 19:38:16 with qualifiers 'k-u'
Compilation finished successfully in 0.005s.
Updating Routine file ...
 Updating KIDS files...
 BEDD*2.0*2 Installed.
               Aug 30, 2017@19:38:16
 Not a VA primary domain
Install Completed
```

Figure 4-8: Sample installation

5.0 Application Access Setup

If the EDD is accessed at the site by being opened by a menu option in EHR, changes included with BEDD Version 2.0 Patch 2 require that a change be made to the setup of this configuration. Please see section 5.1.2.2 for instructions on making this required setting change.

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.

Note: The setup for this step has changed from what was done for previous BEDD releases. Existing links to the EDD will need to be deleted and replaced with the new links described below.

2. **EHR Application Access** – There are now 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. BEDD Version 2.0 Patch 2 also requires that existing menu options be modified in order to continue to work properly.

5.1 Stand Alone Setup

For Standalone access, create an icon on your desktop to call up your web browser for access:

- 1. If there is already a shortcut on the desktop for the ED Dashboard, right-click on the shortcut icon and select **properties**. On the **Shortcut** tab, copy the string located in the **Target** field for later use.
- 2. On your desktop or from the **Start** menu, right-click on the Internet Explorer icon and choose **Send to** → **Desktop** (create shortcut) (Figure 5-1):



Figure 5-1: Create Standalone Access Shortcut

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 5-2).

🔗 Internet Explor	er Properties				X
General Shortcu	t Compatibility	Security	Details	Previous Vers	sions
Ð	ED Dashboard				
Type of file:	Shortcut (.Ink)				
Description:	Internet Explorer				
Location:	C:\Users\brian.e	verett\De	sktop		
Size:	1.38 KB (1,419 b	ytes)			
Size on disk:	4.00 KB (4,096 b	ytes)			
Created:	Today, Septem	ber 29, 201	6, <u>9:56:2</u> 3	AM	
Modified:	Today, Septem	ber 29, 201	6, 9:56:23	AM	
Accessed:	Today, Septem	ber 29, 201	6, 9:56:23	AM	
Attributes:	Read-only	lidd	en	Advance	:d
	ОК		Cancel	Ap	ply

Figure 5-2: Renaming the 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 -**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:

http://IPADDRESS:PORT/csp/bedd/BEDDLogin.csp

Where:

IPADDRESS is the IP name or Address of your Ensemble installation or CSP Gateway

PORT is the port number used for the portal or gateway

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 5-3):

"C:\Program Files\Internet Explorer\iexplore.exe" -nomerge http://URL:PORT/csp/bedd/BEDDLogin.csp

eneral Shortcut	Compatibil	ity Security	Details	Previous Versions		
ED Dashboard						
Target type:	Application					
Target location:	Internet Exp	lorer				
Target	les\Internet	Explorer\iexp	plore.exe	" -nomerge http://10		
Start in:	%HOMED	RIVE%%HOM	MEPATH	%		
Shortcut key:	None					
Run:	Normal win	dow		•		
Comment	Finds and o	displays infor	mation ar	id Web sites on the		
Open File Lo	ocation	Change Ic	on	Advanced		

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

Figure 5-3: Updated Target field

- 5. Click **OK** to save the changes
- 6. Click the new icon to test. Depending on the Ensemble settings, one of the following two pages shown in Figure 5-4 or Figure 5-5 should be presented:
 - Ensemble Login Credential Request (Figure 5-4) Log into Ensemble with the appropriate login User Name and Password.

Cogin (13019 - Estonet Diplorer Cogi Cogin (13019 - Estonet Coglorer (1000) V (1000) Prop. (2003 (2775/cop/test?/8000).cogn.cop File Edit, View Favorites Tools Help	ρ 🛉 🚰 Logn C205 🛛 🗙	د میں ۲۰۰۵ ک
Server: F3420-IHSDBD01 Instance: E3IHS		Ensemble by interSystems
	UserName Passed LOON	

Figure 5-4: Ensemble Login Request

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

🖨 BEDD Emergency Room Dashboard Login - Internet Explorer	_ 0 ×
C C K K K K K K K K K K K K K K K K K K	合余命
File Edit View Favorites Tools Help	
Welcome to the BEDD Emergency Room Dashboard	
Standalone/Whiteboard Login	
Access Code:	
Verify Code:	
Select the Site	
Login Whiteboard Login	
Integrated Dashboard/EHR users must re-launch the Dashboard from EHR to re-establish the link with EHR	

Figure 5-5 ED Dashboard Login Request

5.1.1 EHR Setup

EHR application managers can choose which method they would like to allow users to view the EDD from the EHR application.

5.1.1.1 EDD New EHR Tab Method

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

1. Open, EHR, right-click in the title bar at the top and choose **Design Mode** as indicated in Figure 5-6.

User Patient Refresh Data Tools Help eSig Clear Cle	ar and Lock Comm Restore	Settings	
atient not selected States at the selected States at the selected States at the selected States at the selected at the sel	Size E - Minimize a Maximize by Maximize Cose Alt+F4		Primary Cers Tearr Unassigned Cic Anton B PWH Med e=ix Parvased/ Vist OIA Acton Piss Rec Record Updated Summary B Commary Summary West Mark Actor Piss Record Heat Primary B
Active Problem List Problem + Date	Design Mode Ctrl+Alt+D	List Dow *	Adverse Reactions Agent = Type Reac. Statuy IA43 Date
	Stotus Inpatient/Outpatient		Status © All W Active
Atal Valve Cate *	Acolfer Date Date		Pleninder - Date
Appointments/Visits Appointment/Visit Date * Status	Designated Providers	Add Edi Deve	Triage Summary

Figure 5-6: EHR Design Mode

2. From the **Design** menu option, select **Layout Manager** as in Figure 5-7.

IS-EHR EVERETT, BRIAN	** MUPrepHost Precert **		
Design Patient Refre	h Data Tools Help e5ig Clear C	ear and Lock Community Alerts Dosing Calculator Rx Print Settings	
Find Object	RESOURCES	ROS DIFECT WebMis	
Layout Manager		Visit not selected	Primary Care Team Unassigned
Options	Bett "0"	Problem List Arbon Reart Mad	Ch clc Atoma EWHMad all Basewood Vist
Desktop Properties	Orders: 0		Contraction Plan Rec Receipt Updated Summary
Required Services	Problem Mogt Press	M Well Child Medications Labs Orders Notes Consult/Paterals Su	perbil D/C Summery Suicide Form Reports Vite REactors
Clear Desktop	List	Medication List	Adverse Reactions
Delete Template			
Save as Template		N	
Save Personal Setti	ngs		
Restore Personal Se	ttings		
Restore Defaults		8	
Restore from Temp	late	Status Inpatient/Outpatient	Stritus
		Al CActive Al COut Ch	🕐 Ali 🖷 Active
	Vitals	Lab Orders	Reminders
Appointments/Violts		Designated Providers	Could Triage Summary
		Category Provider Upda	and 1

Figure 5-7: EHR Layout Manager

3. In the **Layout Manager**, click on **Tabbed Notebook** and click **Properties** as shown in Figure 5-8:

atient not selected	Visit n	at selected	Primary Care Team Unassigned
역 🐮 Na Postng 🛍 POC Pharm Rest"O" Eat En Ed Ordens: 0		Problem List Advis React Me	CIC Affisme PMH Med eRx Reviewed/ Visit Action Plan Rec Receipt Updated Summary
Active Problem List	tel WellChild	Medications: Lebs Orders Notes Consults/Reterrols Superbill Medication List	D/CSummery Sciole Form Reports Vite/s RFactors
Vexis	Stetus M All	Cor Copy Finite Add Delete Poperties	Datag C All W Active Reminders
Appointments/Visits	C.		Triage Summary

Figure 5-8: Create ED Dashboard Tab

4. In the **Tabbed Notebook** dialog, click on the "+" icon in the **Tab Editor** property as shown in Figure 5-9:

PRIVACY PATIENT CHART RESOURCES	ROS	DIRECT We	CAIni .		
nt not selected	EVER	ETT,BRIAN			Primary Care Team Unassigned
No Posting E POC Pharm Petil "O" Orders: 0		Problem List Advs F	Teact Met	1 R	CIC Athema PWHMed eRx Reviewed/ Visit Action Plan Rec Receipt Updated Summary
ations CoverSheet Triage Walness Problem Mingt Pren	stal Well Child	Medications Lebs Ord	era Notes Consults/Referrals Superb	110	D/C Summary Suicide Form Reports Vitals RFactors
Active Problem List		Properties for Tabbed N	otebook		Adverse Reactions
		Property	Value		
		TOP	0		
		LEFT	0		
		HEIGHT	765		
		WIDTH	1600		
	Status	ALIGN	Al		Status
	(# Al	ANCHORS	Top Left Pight Bottom		C All V Adve
Vitals		FREDWIDTH	2 True		Reminders
		MULTILINE	E False		
		REVERSETABS	E False		
		TABPOSITION	Top		
		TABSTYLE	Single Stent +		
		Tab Editor	+ - c / m 任 8 4	E	
Annoisteonto Afiste				L	
representation vision				H	
	0	OK	Cencel Apply	L	
		Landard	Conservation And Annual A		

Figure 5-9: Create ED Dashboard Tab (Cont.)

5. In the new tab, type **ED Dashboard** (or the name that is to be used for the ED Dashboard) as shown in Figure 5-10:

Properties for Tabbed Notebo	ook
Property	+ - 🕫 🏸 🛍 🔚 🛛 🤀 🥄
ТОР	↑ ↓
LEFT	Tabs
HEIGHT	
WIDTH	ARESOURCES
ALIGN	କୁଁ RCIS
ANCHORS	The Direct WebMail
FIXEDWIDTH	() ED Dashboard
MULTILINE	
REVERSETABS	
TABPOSITION	
TABSTYLE	
Tab Editor	
	·
Tab Editor	
Allows creation, deletion, and m	odification of tabs.
ОКС	ancel Apply

Figure 5-10: 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 5-11:

PMS EHR EVERET	T,BRIAN ** MUPrepi-	lost Precert **				-				-	7		(n)
Design Patie	ni Refresh Data Too	in Help eSig Ca	est. Gear and la	ock Commun	sity Alerts Closing Calculu	etce: Fix Print	Settings						
	PATENT CHART	REBOURD				ED De	hboard	· · ·					
					E an nacht and tak a	itteres k							
					Distances a lab v	ctions.							
					And Constant								
					and the second se	_							
					Layout Managet								
					LOCK	1							
					Remove								
					0.0								
					COR								
					Сору								
					1000								
					Aeign								
					Anchor								
						1							
					Properties								



7. Select to add a new Internet Explorer object as shown in Figure 5-12:



Figure 5-12: Adding Internet Explorer Object

8. Right click on the new **Internet Explorer** object and select **Properties** as shown in Figure 5-13:



Figure 5-13: Selecting Internet Explorer Properties

9. In the **HOMEPAGE** property box, put in the EHR URL as seen in Figure 5-14, where an example value is given. Replace IP address and PORT values with those appropriate for your site.

http://IPaddress:PORT

 $csp/bedd/BEDDLogin.csp?DUZ = \(user.handle) \& SITE = \(site.handle) \& LOC = EHR$

RIVACY PATIENT CHART RESOURCES RCB.		ED Deshboerd	
Frequent State Salesch Home Date			
C			
	Properties for Internet Explore	e .	
	Property	Value	
	TOP	0	
	LEFT	0	
	HEIGHT	739	
	WIDTH	1596	
	ALIGN	Al 🔻	
	ANCHORS	🖌 Top. Lett Right Bottom 🔹	
	ALLOWNEWWINDOW	2 True	
	AUTOSIZE	E False	
	BORDERSTYLE	None	
	CAPTION		
	CAPTIONCOLORI		
	CAPTIONCOLOR2		
	CAPTIONSTYLE	No caption -	
	COLOR		
	HOMEPAGE	103:57775/csp/test9/8EDOLogin.csp	
	RESETONPATIENTCHANC	🖾 Folse	
	TOOLBARVISIBLE	🕐 True	
	HOMEPAGE URL for the default home page.	a	
l.	OK O	encel Apply	

Figure 5-14: Enter the ED Dashboard Homepage

5.1.1.2 EDD New EHR Menu Method

BEDD Version 2.0 Patch 2 requires that a small change be made to allow this method of accessing the EDD to continue to function properly. Please see below for a listing of the needed change. 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. Open EHR, right-click in the title bar at the top and choose **Design Mode** as indicated in Figure 5-15.

Ser Patient Refres PRI/ACY Valient not selected St No Poster	Data Tools Help eSig Clear PATIENT CHART PESS PATIENT CHART PESS Phorm Resil "O" Ed Orders: 0	Clear and Lock Comi	Move Size Minimize Maximit	r te		Settings	Primary CIC DIA	Cora Teor Afisma Acton Pla	PWH Med Rec	eRx Reviewed/ Vi Receipt Updeted Sum	int B
Cover Sh	Het Tringe Wellness Problem M	rigt Principal Will C	* Close		Alt+F4	Consults/Petersis Supertia D	CSumo	ny Suick	te Form Re	ports Vitels RFectors	and she
	Active Problem List		Design N	fode	Ctrl+Alt+D	List	Adverse	e Reactio	as		
		5	Stelus	Inpel	tiest/Outpatient		Status				
	Vitale	Common State	WAI UAS	US WA	Lab Ord	are	O AL	W ACTU		Domindom	
ital Value	Date *	Modifier 2	Lob Order 🔶 S	Xetus	Date		Remind	er ±	Date		
spointment/Visit D	Appointments/Visits ato ~ Statuc	1	Category	aled Pr	oviders	Ada Edit Deele Provider Date Updated	•	'riage S	ummary		

Figure 5-15: Enter Design Mode

2. Select **Design** -> **Desktop Properties** as displayed in Figure 5-16.



Figure 5-16: Desktop Properties

3. Select **Customize Menus** as displayed in Figure 5-17. Click "+" to add and enter a new menu option **ED Dashboard** as seen in Figure 5-18.



Figure 5-17: Customize Menus



Figure 5-18: Customize Menus cont'd

4. Click the lightning bolt icon in the display. In the **Edit Action Box** that appears, put in the path to Internet Explorer followed by a space, -nomerge, another space followed by the regular EHR URL as seen in Figure 5-19, where an example value is given. Replace IP address and PORT values with those appropriate for your site.

C:\Program Files\Internet Explorer\iexplore.exe -nomerge http://IPaddress:PORT csp/bedd/BEDDLogin.csp?DUZ=\$(user.handle)&SITE=\$(site.handle)&LOC =SA

Note: For BEDD releases prior to Version 2.0 Patch 2 the above string ended with **LOC=EHR**. With the release of Version 2.0 Patch 2 the string should now end with **LOC=SA**.



Figure 5-19: Edit action

- 5. Click **OK**, **Save Settings** and leave design mode.
- 6. Click on the new menu option **ED Dashboard**, and the EDD main screen will display as indicated in Figure 5-20.

Emergency Department Tracking Board - Internet Explorer							_ [] ×	
🔆 💬 🖉 http://10.24.198.240.57775/op/test//0CO.op 🖉 🛃 🚱 Entregency Department Fis × 🔄 🏠 🏠 👘								
File Edit View Favorites Tools Help								
Last update: Jul 20, 2017@13:03:51 BEDD	N Discharges	Manager Log Out						
Check-In Wtg Avg Wtg Triaged Wtg Avg 1 183 183 1 603 603	Wtg Rooms Wtg Avg	g Wtg Pend Wtg Avg Wtg						
Check-In Triage Room Manag	ement Pending I	Documentation						
Waiting Check-In Patient (gender)	DOB (age) C	hart Presenting	Clinic	Info		Actions	Reg	
183 07/20/2017 <u>TESTTWO.</u> 10:00 <u>PATIENTONE (F)</u>	03/04/92 (25 YRS) 32	25974 Presenting complaint - testing BEDD IN	. ОТ ОТ	OTrg Page ORm Page OObsv OTrgRpt				
Triage Check-In Room Ma	nagement Pendi	ing Documentation						
Waiting Trg Time Patient (gender)	OOB (age) Chart C	Chief Complaint Order Activity	Clinic	Info	A	ctions Re	g	
603 4 03:00 DEMO, PATIENT (F) 01/0	1/70 (47 YRS) 001234 1	Testing Patch 2 EMB	RGENCY MEDICINE	. ORm	n Page(⊖Obsv ⊖TrgRpt <mark>N(</mark>	<mark>)</mark>	
Room Management Check	<u>-In Triage Pe</u>	ending Documentation						
Waiting Room Trg Patient (gender)	DOB (age) Chart	Chief Complaint	Order Activity	Clinic	Info	Actions	Reg	
2 MUPrep 5 DEMO, PATIENT 1 BABYONE (F)	01/01/14 (3 YRS) 011000	Presenting Complaint - Testing BEDD Version 2.0 Patch 2	EMERG	ENCY NE	ŀ	○Rm Page ○Obsv ○TrgRpt	NO	
Pending Documentation	Check-In Triage	Room Management						

Figure 5-20 ED Dashboard Display

Addendum to the Installation Guide and Release Notes September 2017

Application Access Setup

Acronym List

Acronym	Meaning
CSP	Cache Server Page
EDD	Emergency Department Dashboard
EHR	Electronic Health Record
ERS	Emergency Room System
GUI	Graphical User Interface
IHS	Indian Health Service
IIS	Internet Information Services
RPMS	Resource and Patient Management System
SSL	Secure Sockets Layer

Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

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