



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Emergency Department Dashboard

(BEDD)

Installation Guide and Release Notes

Version 2.0
June 2015

Office of Information Technology (OIT)
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 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

2.1 Contents of Distribution

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

Table 2-1: Contents of Distribution

File	Description
bedd0200xml.zip (containing bedd0200.xml)	Ensemble import file
bedd0200.k	KIDS file
bedd020i.pdf	Installation guide and release notes
bedd020t.pdf	Technical manual
bedd020u.pdf	User guide

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: Require 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 6
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
IHS EMERGENCY DEPT DASHBOARD (BEDD)	V1.0 (XML and KIDS Builds)

2.3 Before You Begin: Installation Issues

The Ensemble import file (bedd0200.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. When retrieving the file therefore, 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 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. Following the installation of the builds, if the previous version of the BEDD application has not been installed in the past, then a number of post-installation steps must be completed.

3.1 Disk Space

With Version 2.0 of BEDD, approximately 5 MB of disk space on the server is needed to install the Cache Server Page (CSP) and Cache Class files contained in the bedd0200.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. There are no routines or globals to remove after the installation is complete.
- 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

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 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.

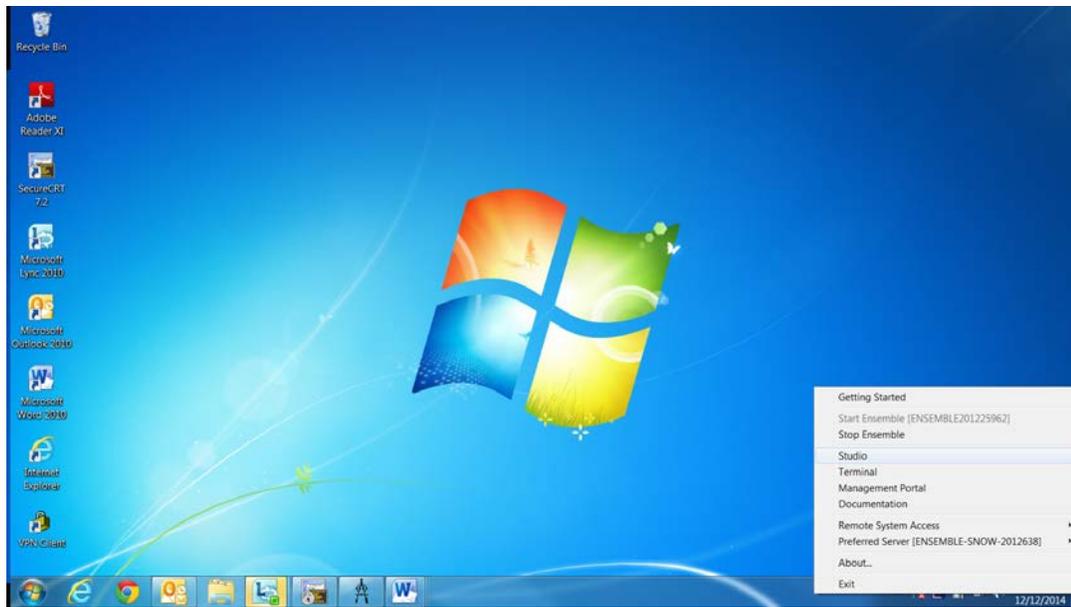


Figure 4-1: Open Ensemble Studio

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.

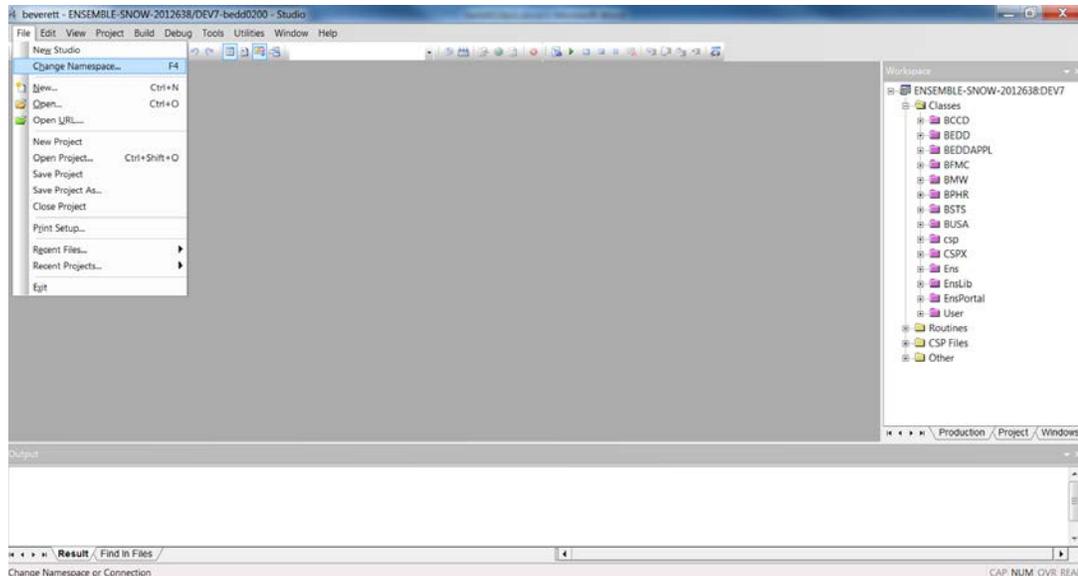


Figure 4-2: Ensemble Studio with option to change namespace

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

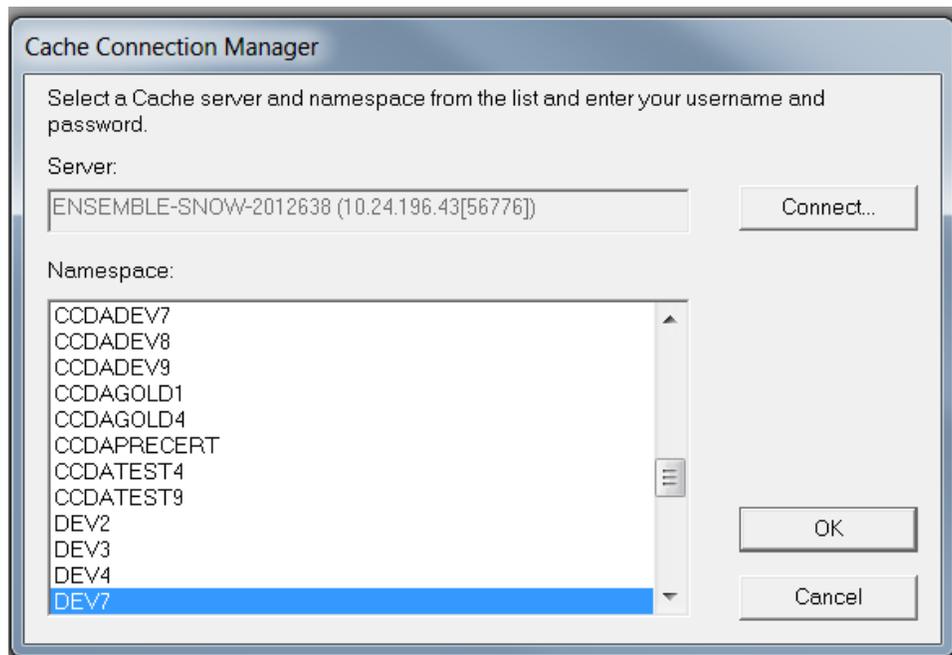


Figure 4-3: Select the appropriate namespace to import to

4.1.2 Import the bedd0100p1.xml file

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

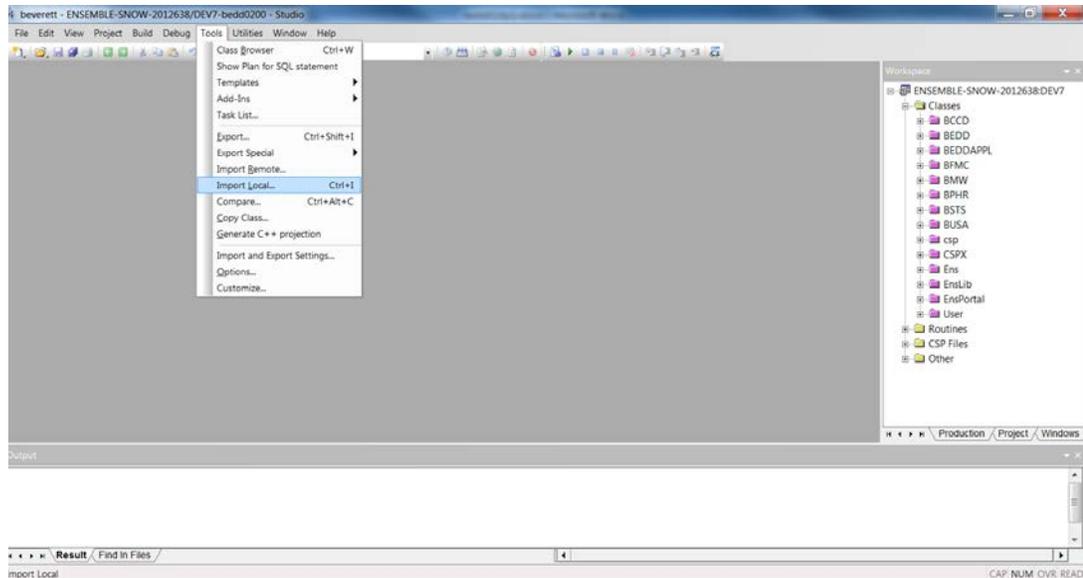


Figure 4-4: Accessing the Import Local menu option

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

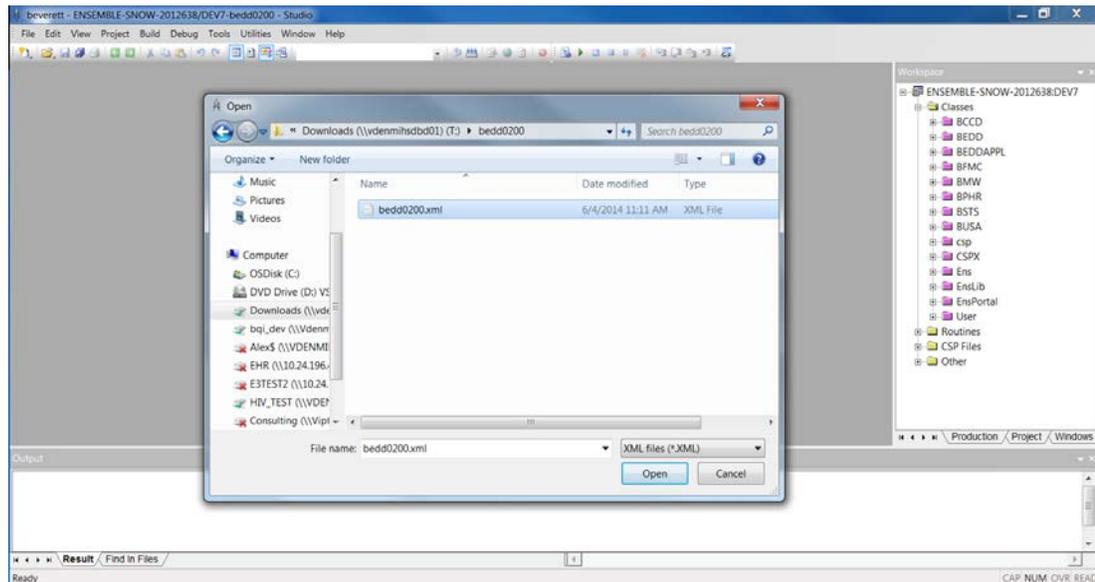


Figure 4-5: Selecting the XML build to import

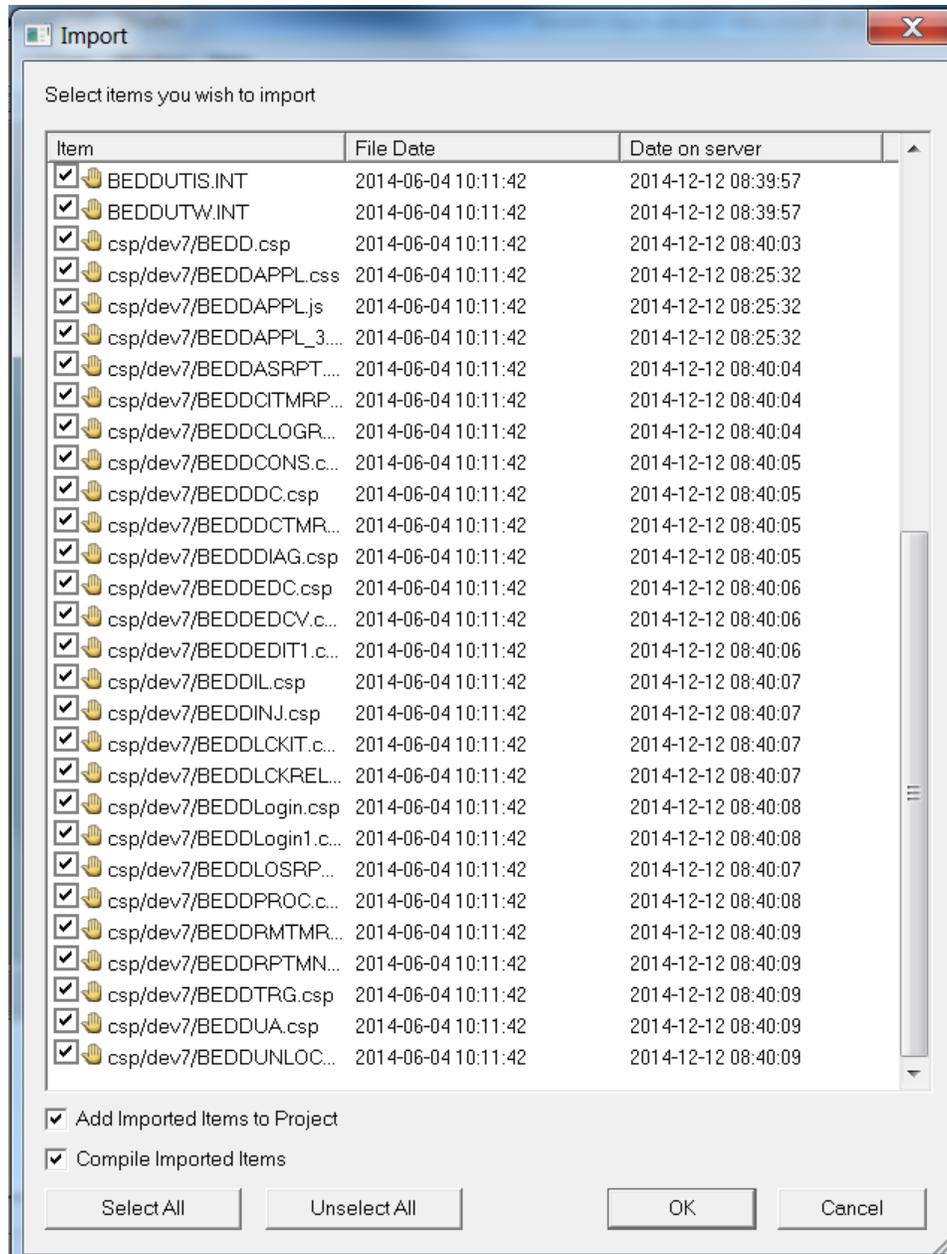


Figure 4-6: Import Dialog box display

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.



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.k** 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.k contains the following installation file:

BEDD DASHBOARD 2.0
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 DASHBOARD 2.0** 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 DASHBOARD 2.0** 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 DASHBOARD 2.0**.
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 2 PENDING ALERTS
      Enter "VA to jump to VIEW ALERTS option

You've got PRIORITY mail!

Select Kernel Installation & Distribution System 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

You have 2 PENDING ALERTS
      Enter "VA to jump to VIEW ALERTS option

You've got PRIORITY mail!

Select Installation Option: 1 Load a Distribution
Enter a Host File: D:\RPMS_TEST\bedd0200.k      *Note: A site specific path
will be required here

KIDS Distribution saved on Jun 04, 2014@20:53:28
Comment: BEDD DASHBOARD 2.0

```

```

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

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

Build BEDD DASHBOARD 2.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  BEDD DASHBOARD 2.0
Will first run the Environment Check Routine, BEDD2ENV

          Patch "AMER*3.0*6" is installed.
Use INSTALL NAME: BEDD DASHBOARD 2.0 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 2 PENDING ALERTS
      Enter "VA to jump to VIEW ALERTS option

You've got PRIORITY mail!

Select Installation Option: 2 Verify Checksums in Transport Global
Select INSTALL NAME:      BEDD DASHBOARD 2.0      Loaded from Distribution
Loaded from Distribution  1/19/15@10:04:38
      => BEDD DASHBOARD 2.0 ;Created on Jun 04, 2014@20:53:28

This Distribution was loaded on Jan 19, 2015@10:04:38 with header of
  BEDD DASHBOARD 2.0 ;Created on Jun 04, 2014@20:53:28
  It consisted of the following Install(s):
BEDD DASHBOARD 2.0

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

PACKAGE: BEDD DASHBOARD 2.0      Jan 19, 2015 10:04 am      PAGE
1
-----
-----
BEDD2ENV  Calculated      2546209
BEDD2PST  Calculated      8173287
BEDDEHR   Calculated      2045184
BEDDEHRS  Calculated      21599952
BEDDINJ   Calculated      17646764
BEDDMREC  Calculated      32819285
BEDDPOV   Calculated      117307512
BEDDSYNC  Calculated      11113686
BEDDTRPT  Calculated      6329164
BEDDUTID  Calculated      171571970
BEDDUTIF  Calculated      694696
BEDDUTIL  Calculated      161512435
BEDDUTIU  Calculated      130929002
BEDDUTL1  Calculated      962138

```

```
14 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 2 PENDING ALERTS
      Enter "VA to jump to VIEW ALERTS option

You've got PRIORITY mail!

Select Installation Option: 6  Install Package(s)
Select INSTALL NAME:      BEDD DASHBOARD 2.0      Loaded from Distribution
Loaded from Distribution  1/19/15@10:04:38
      => BEDD DASHBOARD 2.0 ;Created on Jun 04, 2014@20:53:28

This Distribution was loaded on Jan 19, 2015@10:04:38 with header of
      BEDD DASHBOARD 2.0 ;Created on Jun 04, 2014@20:53:28
It consisted of the following Install(s):
BEDD DASHBOARD 2.0
Checking Install for Package BEDD DASHBOARD 2.0
Will first run the Environment Check Routine, BEDD2ENV

      Patch "AMER*3.0*6" is installed.

Install Questions for BEDD DASHBOARD 2.0

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 DASHBOARD 2.0 :
      Jan 19, 2015@10:04:56

Build Distribution Date: Jun 04, 2014

      Installing Routines:
      Jan 19, 2015@10:04:57

Running Post-Install Routine: PST^BEDD2PST

Updating Routine file...

Updating KIDS files...

BEDD DASHBOARD 2.0 Installed.
      Jan 19, 2015@10:04:59

Not a VA primary domain
```



Install Completed

Figure 4-8: Sample Installation

5.0 Installation Configuration

5.1 Add User Security Keys

This section covers entering the appropriate security key to RPMS users requiring access to the BEDD package. If version 1.0 of BEDD has already been installed in the past, this section can be skipped for existing EDD users.

There are two keys installed as part of the KIDS build:

- **BEDDZMGR** – Key for **Manager** access to the EDD application
- **BEDDZDASH** – Key for **User** access to the EDD application

Add user security keys to RPMS users using the **XUKEYMGMT** option as shown in Figure 5-1.

1. At the “OPTION NAME:” prompt, type **KEY MAN** and press Enter.
2. At the “CHOOSE 1-2:” prompt, type **1** (**XUKEYMGMT**) and press Enter.
3. At the “Select Key Management Option:” prompt, type **ALLOC** and press Enter.
4. At the “Allocate Key:” prompt, enter **BEDDZDASH** and press Enter.
5. If the user also needs Manager access to this application, at the “Allocate Key:” prompt re-appears after the previous step, enter **BEDDZMGR** and press Enter.
6. At the “Holder of Key:” prompt, enter the user’s name to which the key(s) are to be added and press Enter.
7. At the “You are allocating keys. Do you wish to proceed?” prompt, verify your entry and type **YES** if correct or **NO** if not, and press Enter.

```

Select OPTION NAME: KEY MAN
  1  KEY MANAGEMENT  XUKEYMGMT      Key Management
  2  KEY MANAGEMENT  BEHOORKY MAIN  Key Management
CHOOSE 1-2: 1  XUKEYMGMT      Key Management

Allocation of Security Keys
De-allocation of Security Keys
Enter/Edit of Security Keys
All the Keys a User Needs
Change user's allocated keys to delegated keys
Delegate keys
Keys For a Given Menu Tree
List users holding a certain key
Remove delegated keys
Show the keys of a particular user

Select Key Management Option: ALLOcation of Security Keys

Allocate key: BEDDZDASH

Another key: BEDDZMGR

Another key:

Holder of key: USER,TEST

Another holder:

You've selected the following keys:

BEDDZMGR      BEDDZDASH

You've selected the following holders:

USER,TEST

You are allocating keys.  Do you wish to proceed? YES//

BEDDZMGR being assigned to:
  USER,TEST

BEDDZDASH being assigned to:
  USER,TEST

```

Figure 5-1: Key Management – Allocate Key(s)

5.2 Configuring the Cache Server Page (CSP) Application

Note: It is recommended that the site use a standalone Internet Information Services IIS or Apache™ web server with Secure Sockets Layer (SSL) configuration and not the private web server provided by InterSystems. The instructions here are meant to be used for testing purposes only.

Next, configure the security settings for the EDD CSP application which was automatically created by the import and compile process. If you do not complete this step, your Electronic Health Record Graphical User Interface (GUI) application will not be able to display the EDD's main dashboard page.

5.2.1 Enable System Authentication Options

1. Sign on to the **Ensemble System Management Portal**
2. Select **Security Management under System Administration** in the left column. The **Security Management** page will be displayed.
3. Select **System Security Settings** under **Security Definitions** in the left column. The **Security Setting Options** page will appear.
4. Select **Authentication Options** in the left column. The screen in Figure 5-2 will appear.

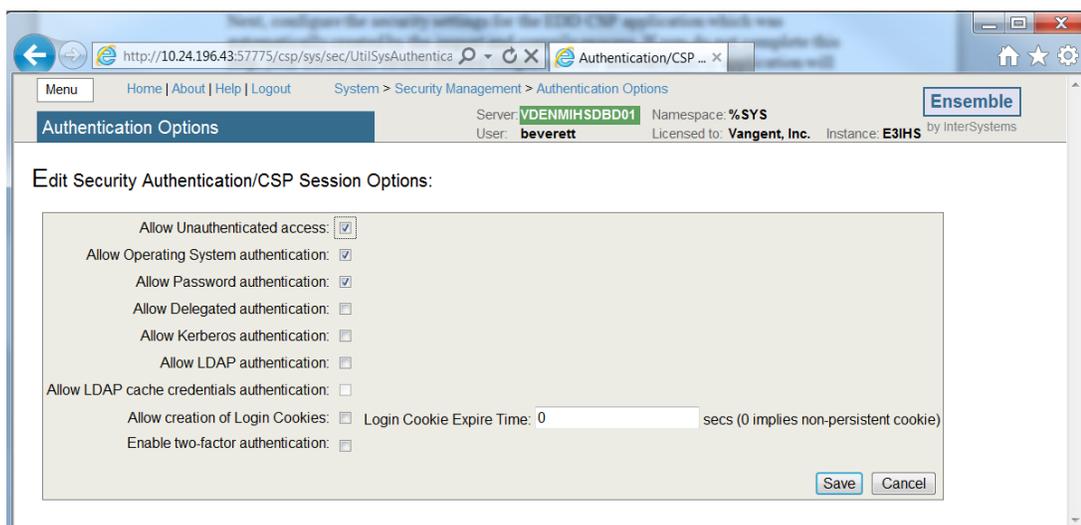


Figure 5-2: Home->Security Management->Systems Security Settings->Authentication

5. Make sure that the **Allow Unauthenticated access** box is checked then click **Save**. The change will take effect immediately.

5.2.2 Create New CSP Application

1. Return to the main **Ensemble Management Portal** page. Select **Security Management** under **System Administration** in the left column. The **Security Management** page will be displayed.
2. Select **CSP Applications** in the right column under **Application Definitions**. A page similar to Figure 5-3 will appear.

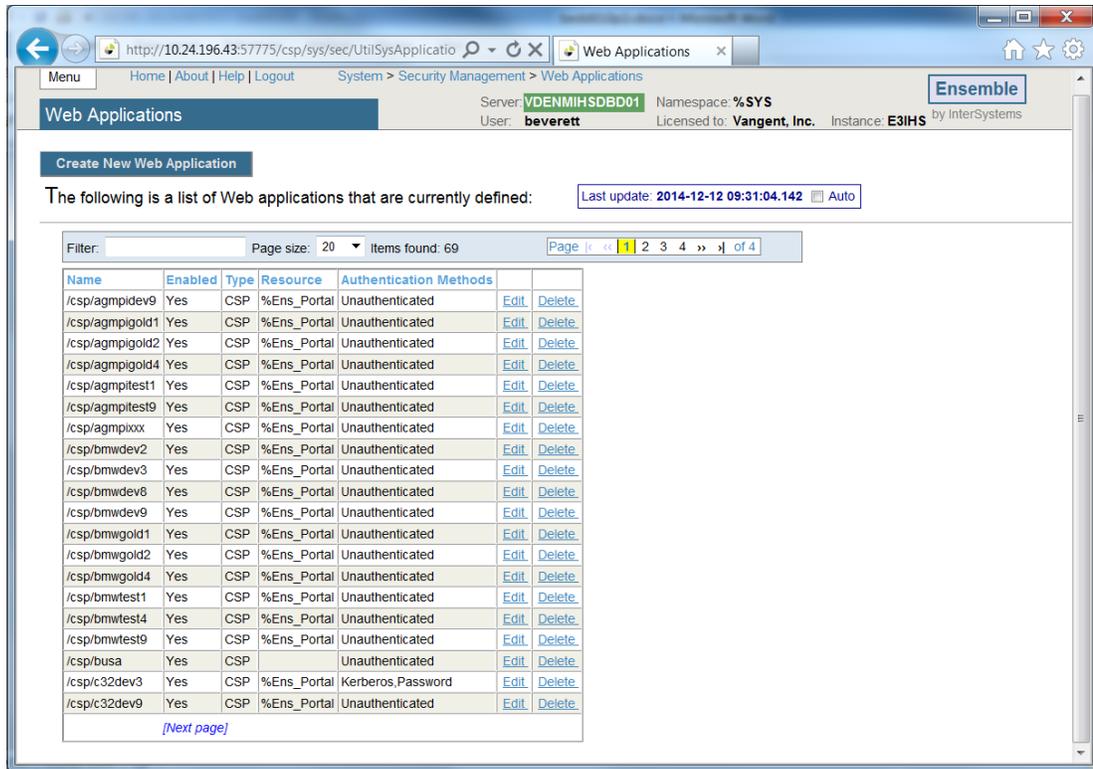


Figure 5-3: CSP Applications screen

3. Select **Create New CSP Application** and fill out the values similar to Figure 5-4.

Web Application Name: (e.g. /csp/apname)

Description:

Enabled:

Resource required to run the application:

Allowed Authentication Methods: Unauthenticated
 Password
 Login Cookie

Group By Id:

Two Factor Enabled:

CSP/ZEN Enabled:

Inbound Web Services Enabled:

Permitted Classes:

Namespace:

Namespace Default Application:

CSP Files Physical Path:

Recurse:

Auto Compile:

Event Class:

Session Timeout:

Default Superclass:

Use Cookie for Session:

Session Cookie Path:

Serve Files: Serve Files Timeout:

Lock CSP Name:

Custom Error Page:

Package Name:

Login Page:

Change Password Page:

* indicates a required field.

[Saved. Click here to create a new Web application.](#)

Figure 5-4: Edit CSP Application screen

4. For CSP Application Name put in /csp/bedd
5. Description is ED Dashboard
6. For **Allowed Authenticated Methods** make sure **Unauthenticated** is checked
7. For **Namespace**, select the site's RPMS namespace
8. For CSP Files Physical path, locate the directory as <cacheinstance>/csp/<RPMSinstance>

9. For **Login Page**, put in **BEDDLogin.csp** (this is case-sensitive)

5.2.3 Update Ensemble's UnknownUser

1. Return to the main **Ensemble Management Portal** page. Select **Security Management** under **System Administration** in the left column. The **Security Management** page will be displayed. Select "Users" in the left column and the following page similar to Figure 5-5 will appear.

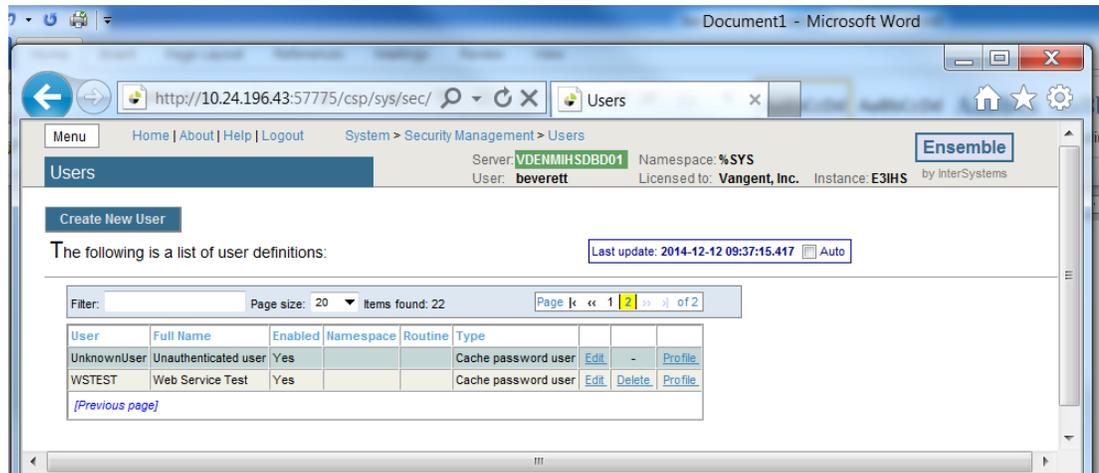


Figure 5-5: User Management screen

2. Locate the user called **UnknownUser** on this screen. Once found, click the **Edit** link. A screen similar to Figure 5-6 will appear.

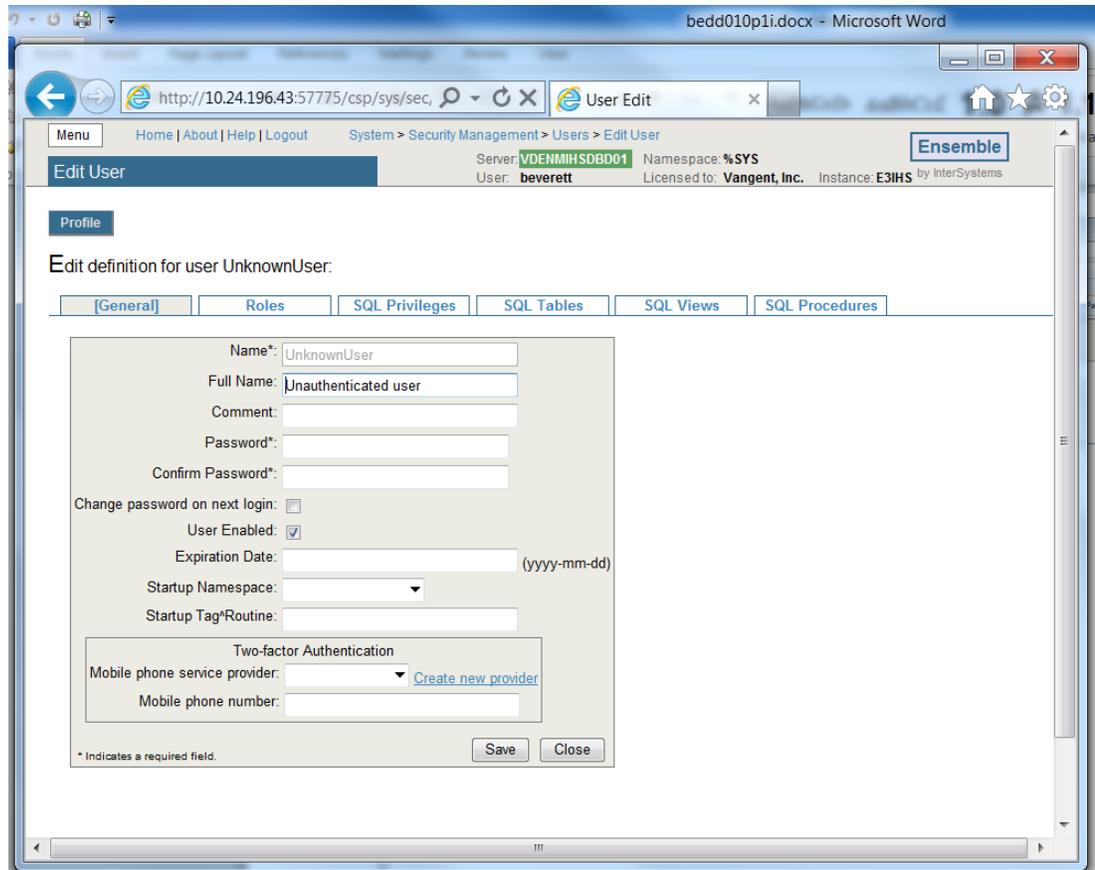


Figure 5-6: Edit User screen

3. Click the **Roles** tab immediately under **Edit definition for user UnknownUser** and the **Edit User** screen similar to Figure 5-7 will appear.

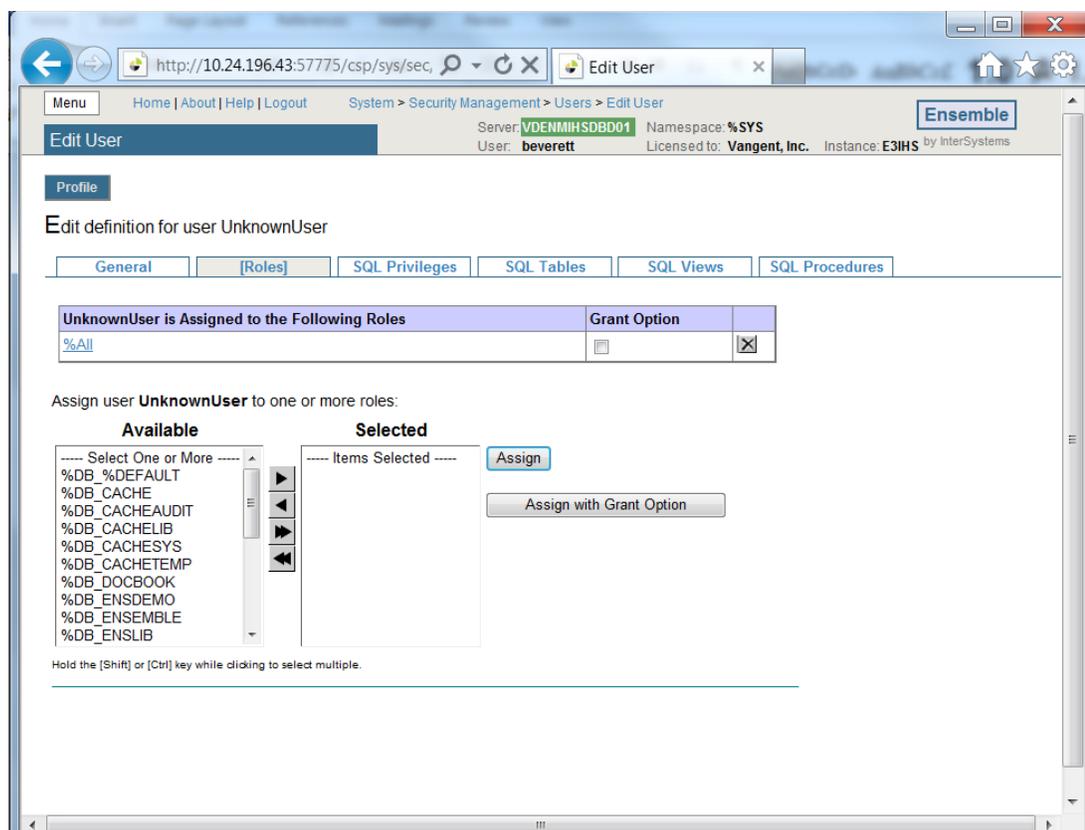


Figure 5-7: Edit User

4. If the list of roles which appears at the top of the page immediately under **UnknownUser is Assigned to the Following Roles** includes **%All**, then no further action in this section is required. If not, then select **%All** in the list of **Available** roles on the left hand side of the page, and click the top arrow located between the **Available** and **Selected** columns.
5. Once **%All** appears in the **Selected** column, click the **Assign** button and **%All** will appear under **UnknownUser is Assigned to the Following Roles**.
6. The CSP application portion and security setup is complete.

5.3 CSP Gateway Installation

The CSP Gateway provides the communications layer between the hosting Web server and Ensemble when you call a Caché® Server Page (CSP). The purpose of using the CSP Gateway is to offload the access to the EDD application to a dedicated web server, as well as use SSL communication to encrypt the data between the user and the server.

Note: The instructions in this section assume the site is running Microsoft Internet Information Server (version 7 or higher) with a valid installed SSL certificate. Installation of IIS and SSL certificates are outside the scope of this document.

5.3.1 Install Cache Shell

1. Start by launching the Ensemble executable appropriate for your version of Windows and checking **I accept the terms in the license agreement** and click **Next** as indicated in Figure 5-8.

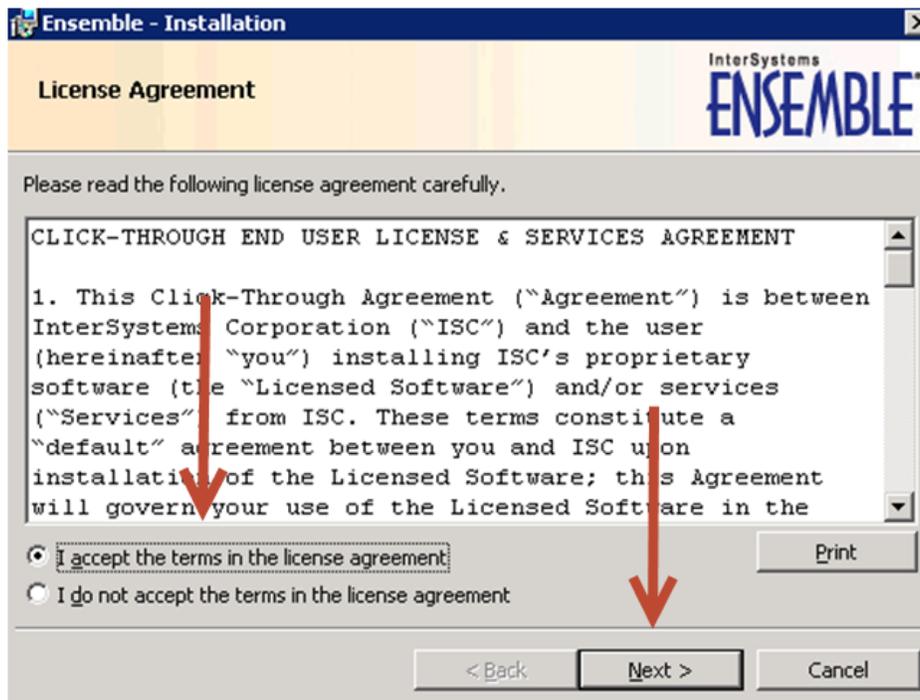


Figure 5-8: Ensemble Installation

2. Enter a unique Ensemble Instance Name for this physical machine and click **Next** as indicated in Figure 5-9.

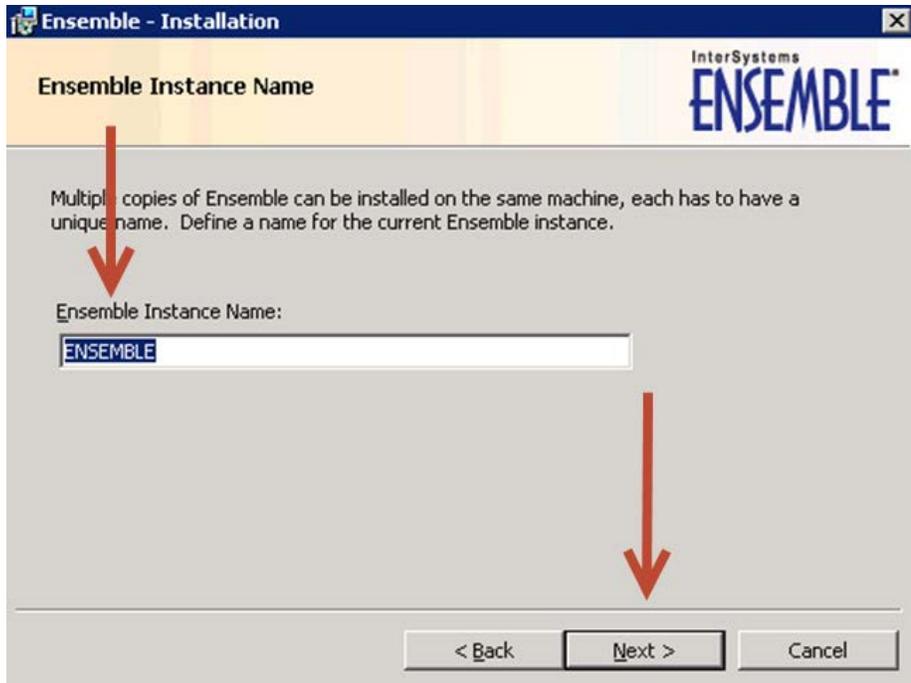


Figure 5-9: Ensemble Installation cont'd

3. On the next screen, enter the path where the Ensemble shell will be located by clicking **Change** as shown in Figure 5-10.

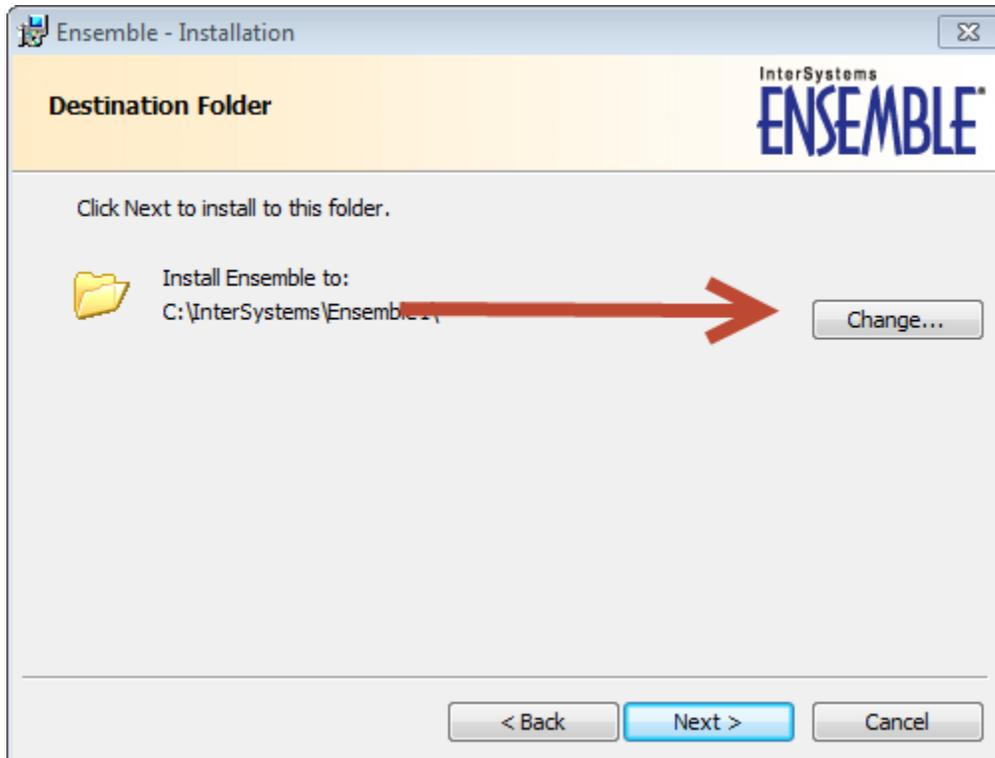


Figure 5-10: Ensemble Installation cont'd

4. Install into the directory **C:\InterSystems\EnsembleCSP** and click **OK** as indicated in Figure 5-11.

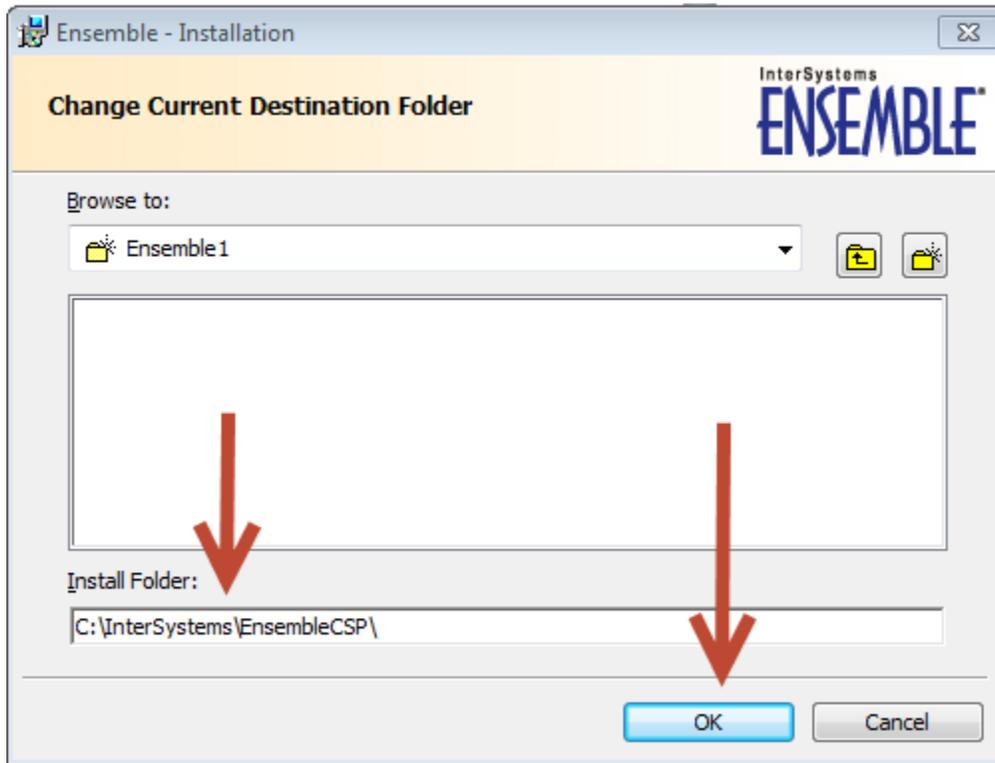


Figure 5-11: Ensemble Installation cont'd

5. Select **Web Server** on the next screen and click **Next** as indicated in Figure 5-12.

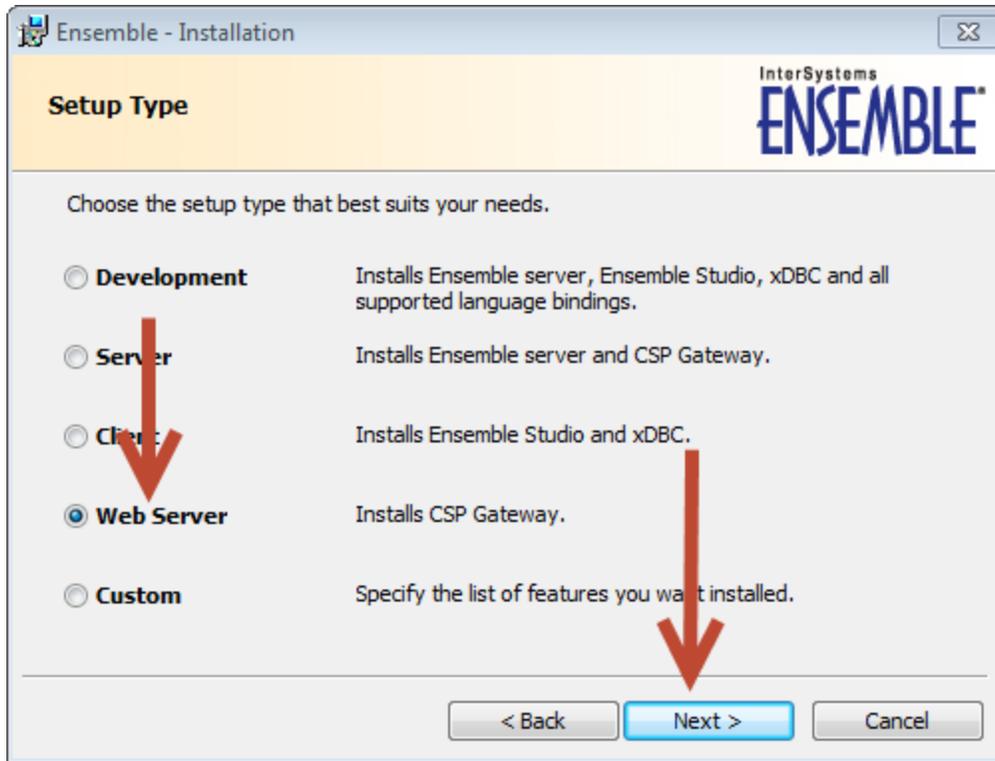


Figure 5-12: Ensemble Installation cont'd

6. A screen will appear as in Figure 5-13 allowing a review of the options. Review and click **Install**.

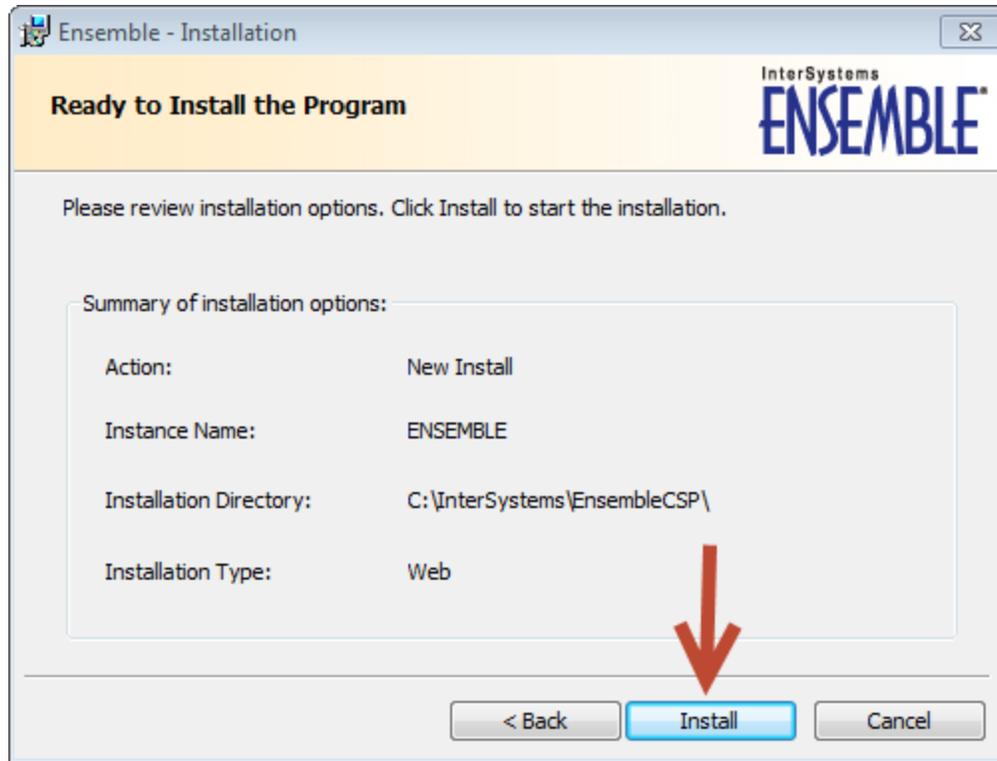


Figure 5-13: Ensemble Installation cont'd

7. If IIS is running you will receive a warning message asking you to stop the IIS WebServer as seen in Figure 5-14. Click **Yes** and it will stop IIS and continue the installation process.

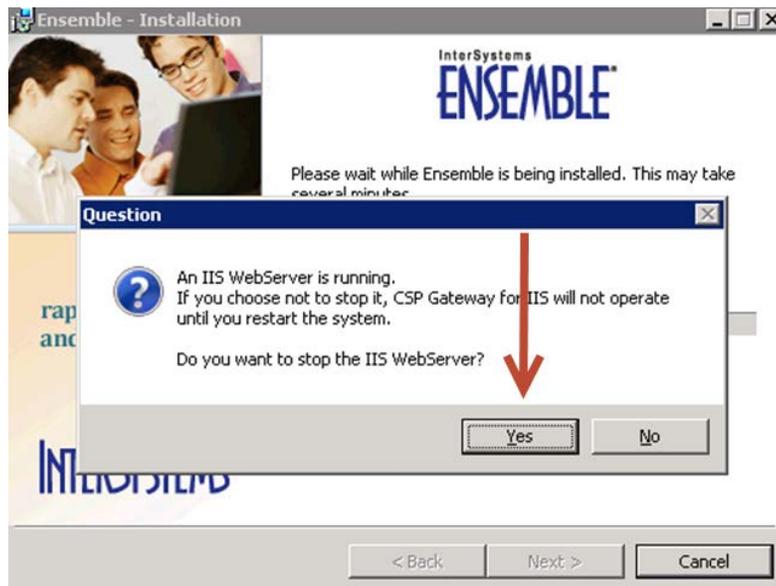


Figure 5-14: Ensemble Installation cont'd

8. Click **Finish** to complete the installation as indicated in Figure 5-15.

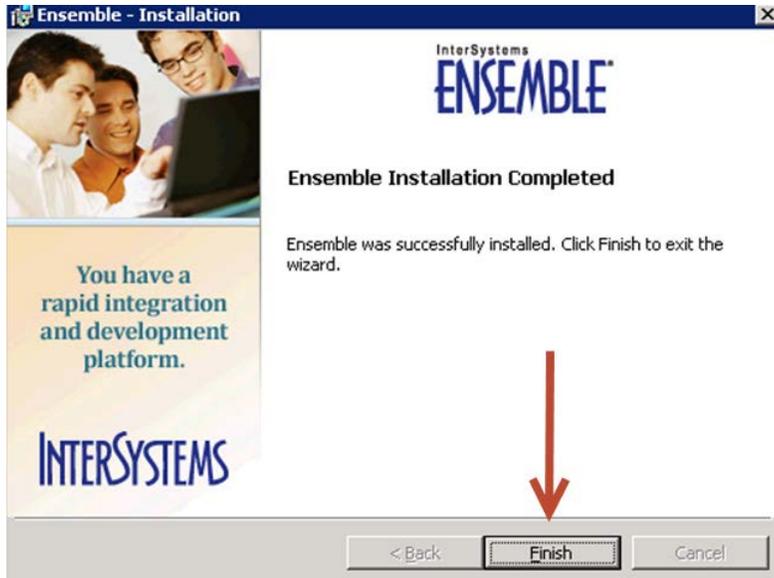


Figure 5-15: Ensemble Installation cont'd

5.3.2 Configure IIS

1. On the webserver that the CSP gateway was just installed, go the option **Administrative Tools -> IIS Manager** as indicated in Figure 5-16.

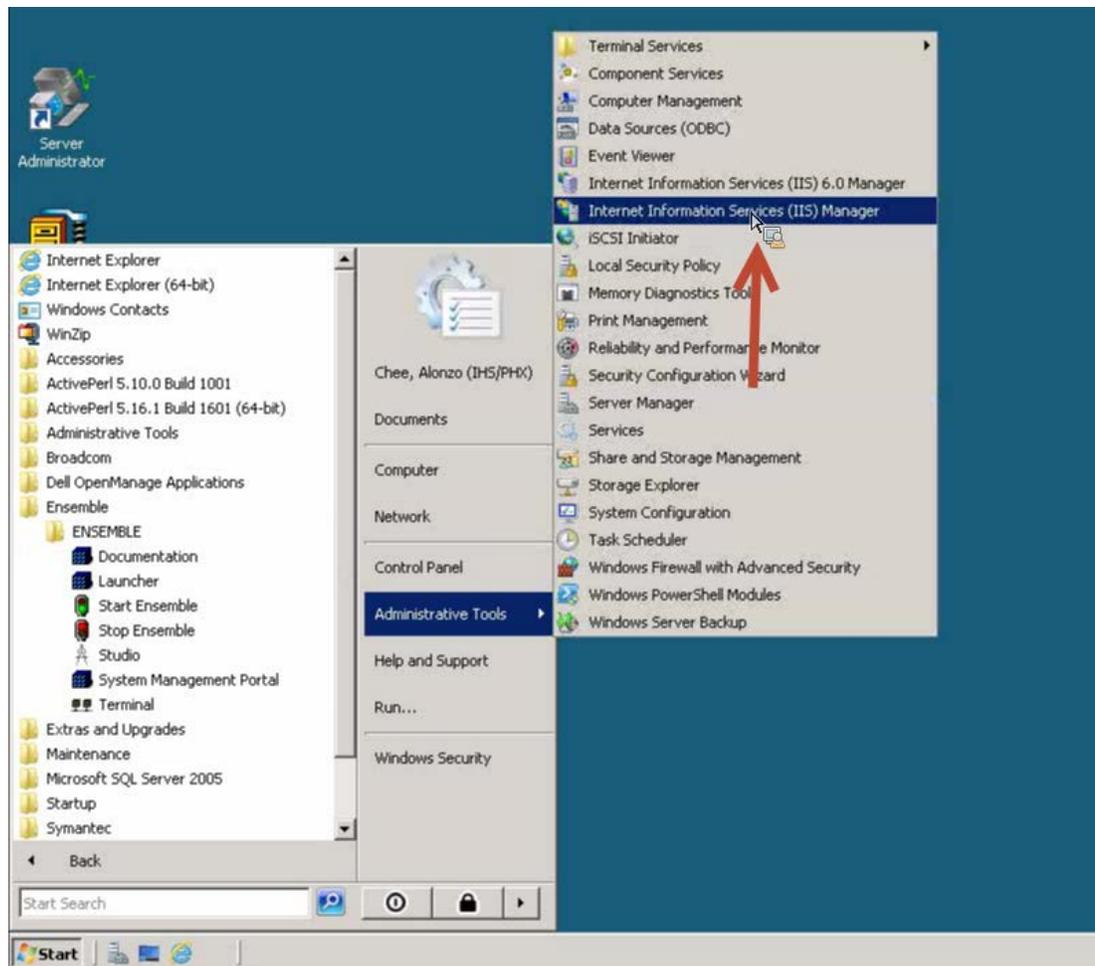


Figure 5-16: Ensemble Installation cont'd

2. Select **Default Web Site**, click **asp**, then **Handler Mappings** as indicated in Figure 5-17.

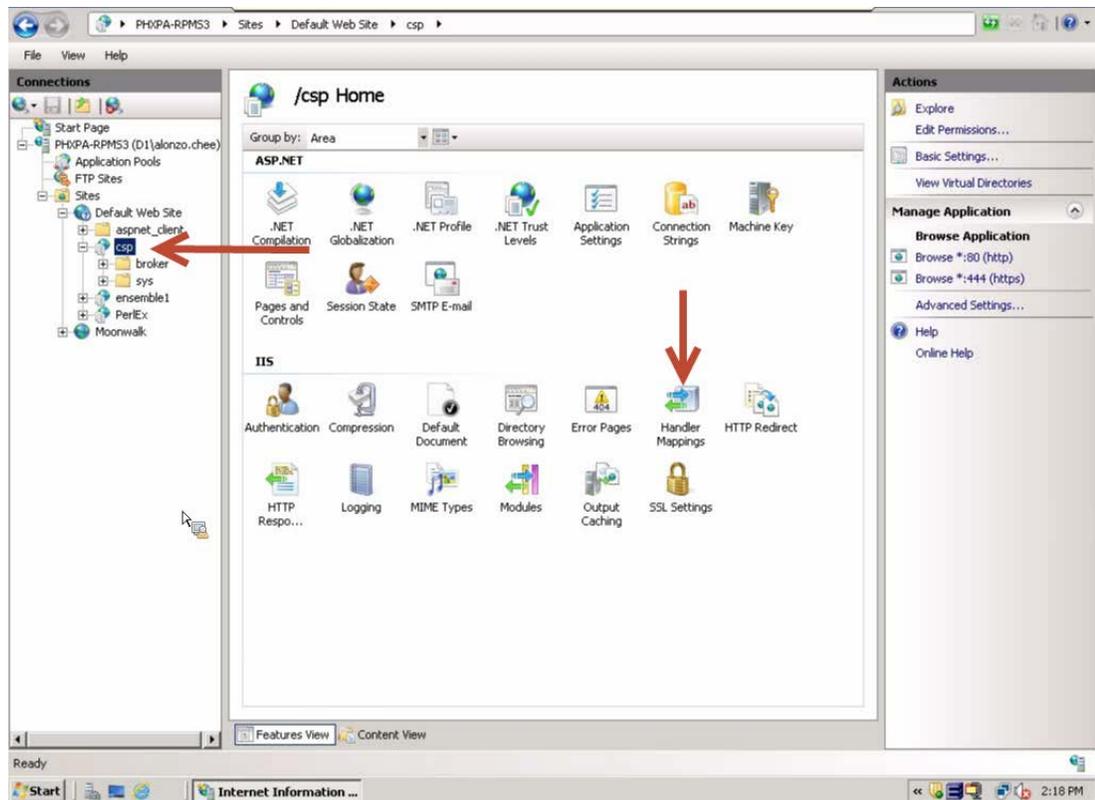


Figure 5-17: IIS Handler Mappings

3. Validate that the **CSPGateway_*** mappings are present for ***.cls**, ***.csp**, ***.cxw** and ***.zen**, and that they are listed as **Enabled** as indicated in Figure 5-18.

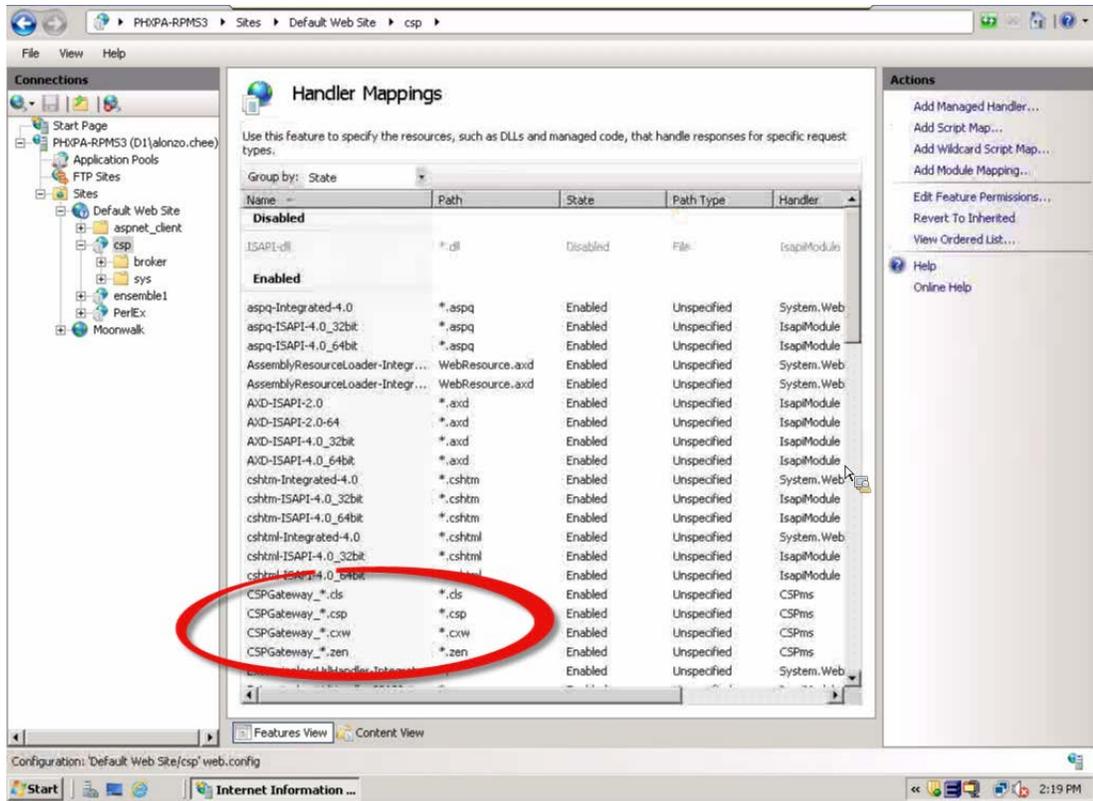


Figure 5-18: IIS Handler Mappings cont'd

- In order to have IIS handle CSP applications like EDD via IIS, click **Add Module Mapping** and enter values as indicated in Figure 5-19.

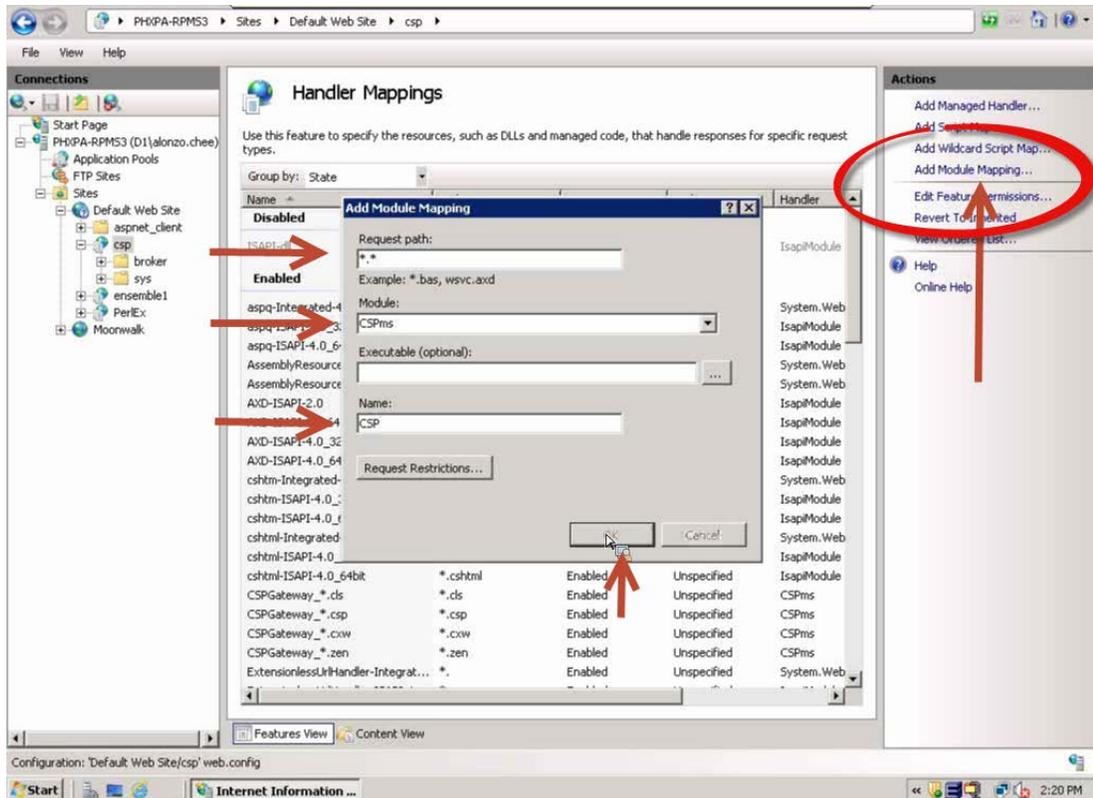


Figure 5-19: IIS Handler Mappings cont'd

5.3.3 Configure CSP Gateway

1. While connected to the server where the CSP Gateway was installed, enter the following link in a web browser: <http://localhost/csp/bin/Systems/Module.cxw> and the screen shown in Figure 5-20 will appear.



Figure 5-20: CSP Gateway configuration

- Click **Server Access** and **Add Server** as indicated in Figure 5-21.

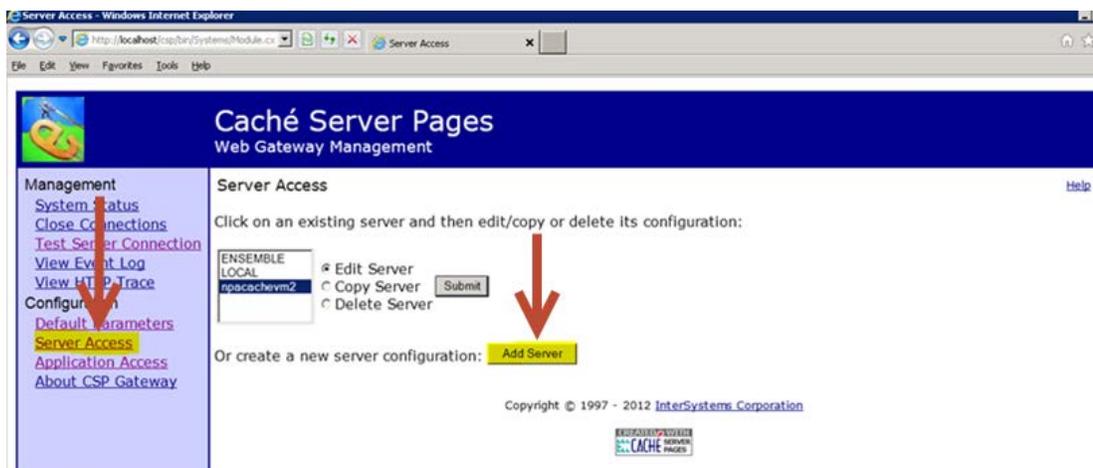


Figure 5-21: CSP Gateway configuration cont'd

- Insert the appropriate site information in the highlighted areas on the following screen as indicated in Figure 5-22, and click **Save Configuration** at the bottom when complete.

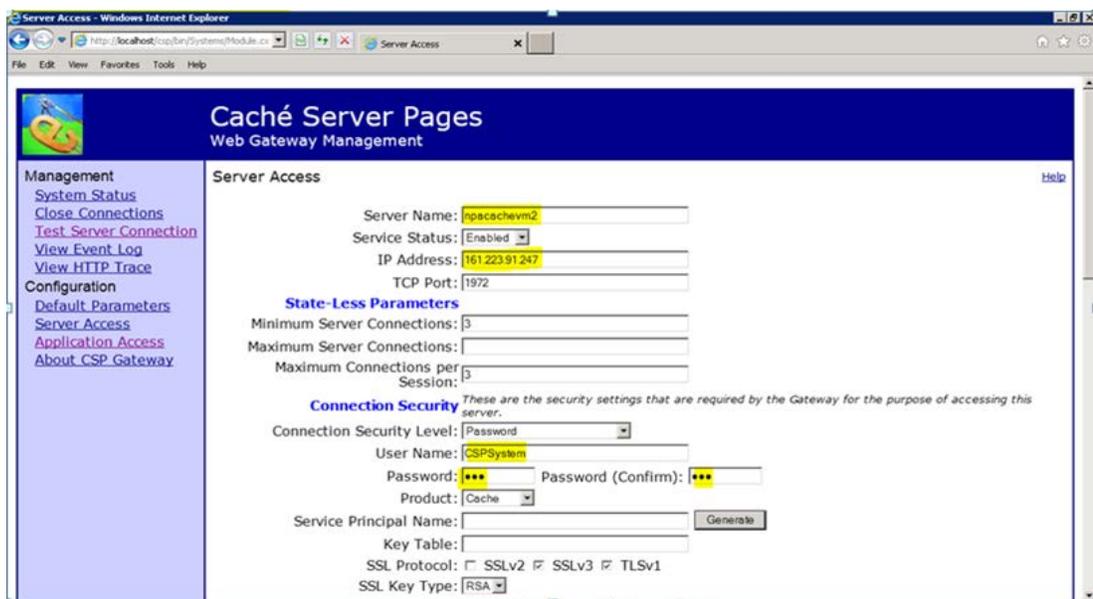


Figure 5-22: CSP Gateway configuration cont'd

- Click **Application Access** and **Add Application** as indicated in Figure 5-23.

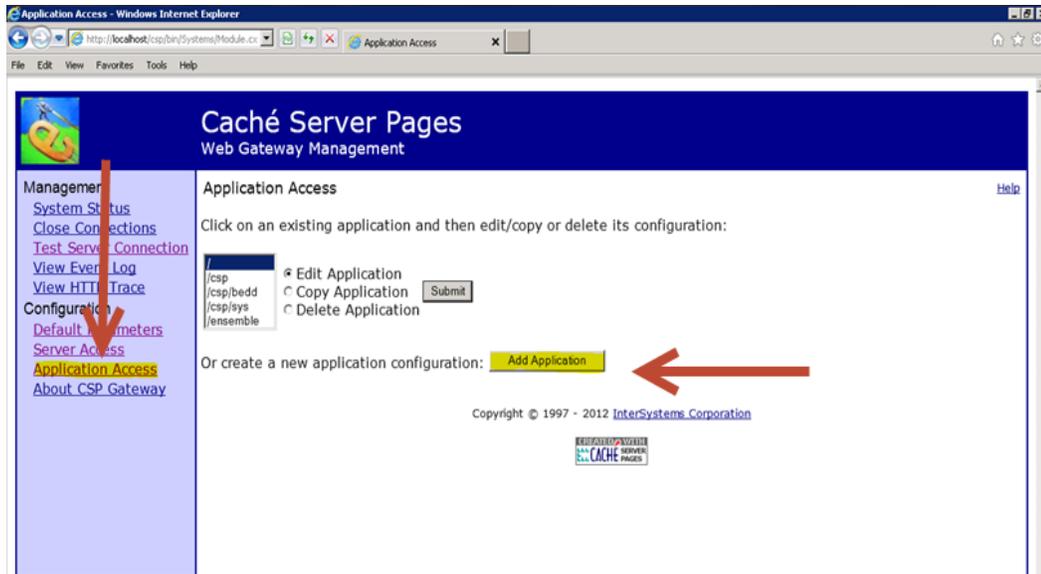


Figure 5-23: CSP Gateway configuration cont'd

- On the following screen, for **Application Path:** set to **/csp/bedd** and for **Default Server:** select your previously configured server name from the dropdown, then click **Save** as indicated in Figure 5-24.

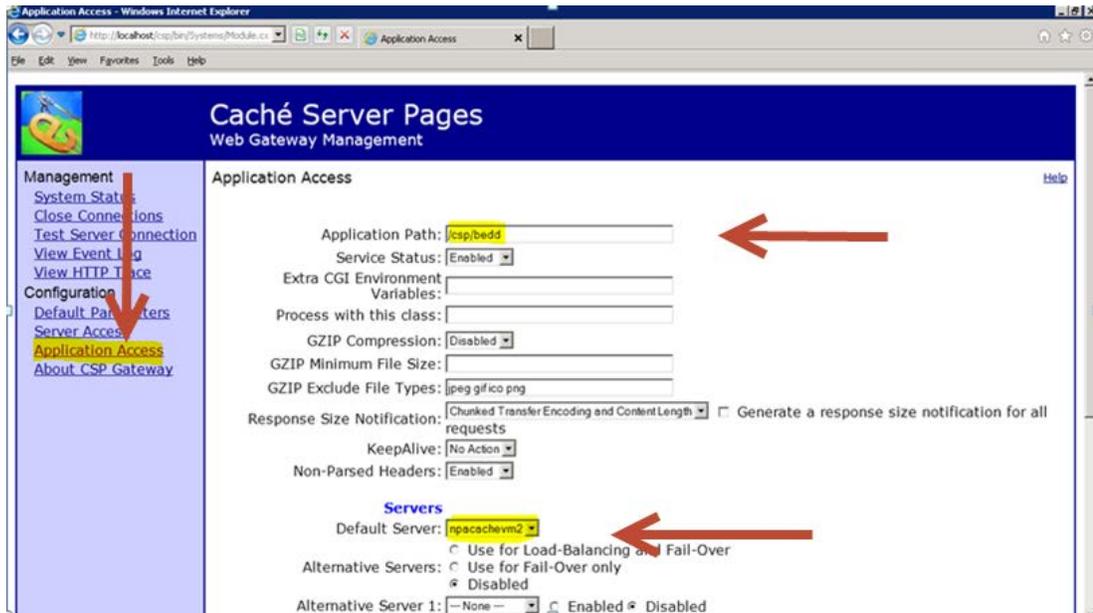


Figure 5-24: CSP Gateway configuration cont'd

- Click **Test Server Connection**. If successful the following screen will appear similar to Figure 5-25.

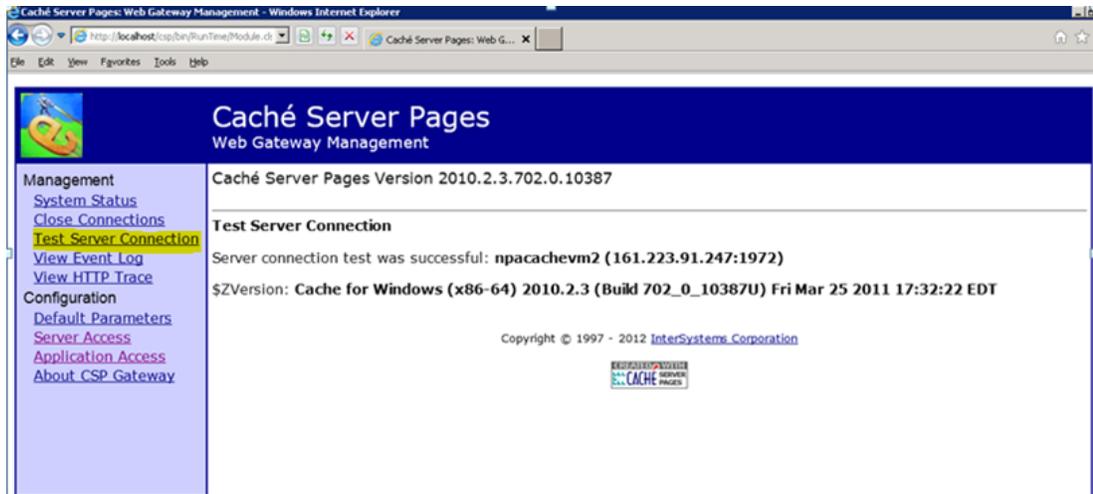


Figure 5-25: CSP Gateway configuration cont'd

7. Enter the website link for the ED Dashboard from a workstation browser, for example: <https://npacsmtbmw.d1.na.ihs.gov/csp/bedd/BEDDLogin.csp> and the page as shown in Figure 5-26 will appear.



Figure 5-26: CSP Gateway configuration cont'd

Note: If you are using a non-standard port for the https protocol handled by IIS such as 444, you will need to modify the URL you use accordingly as in the following xample:
<https://npacsmtbmw.d1.na.ihs.gov:444/csp/bedd/BEDDLogin.csp>

5.4 Application Access Setup

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

1. Standalone - access via a direct web browser session which requires an active RPMS Access and Verify code to login.
2. EHR portal - access from within the EHR application as separate tab. Note that this also requires an active RPMS Access and Verify code to login, however the user may already have their credentials cached in the EHR application.

5.4.1 Stand Alone Setup

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

1. On your desktop, right-click and choose **New - > Shortcut** (Figure 5-27) and enter the following URL (site-specific modifications in **BOLD** type):

[http://**IPADDRESS**:**PORT**/csp/bedd/BEDDLogin.csp](http://IPADDRESS:PORT/csp/bedd/BEDDLogin.csp)

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.

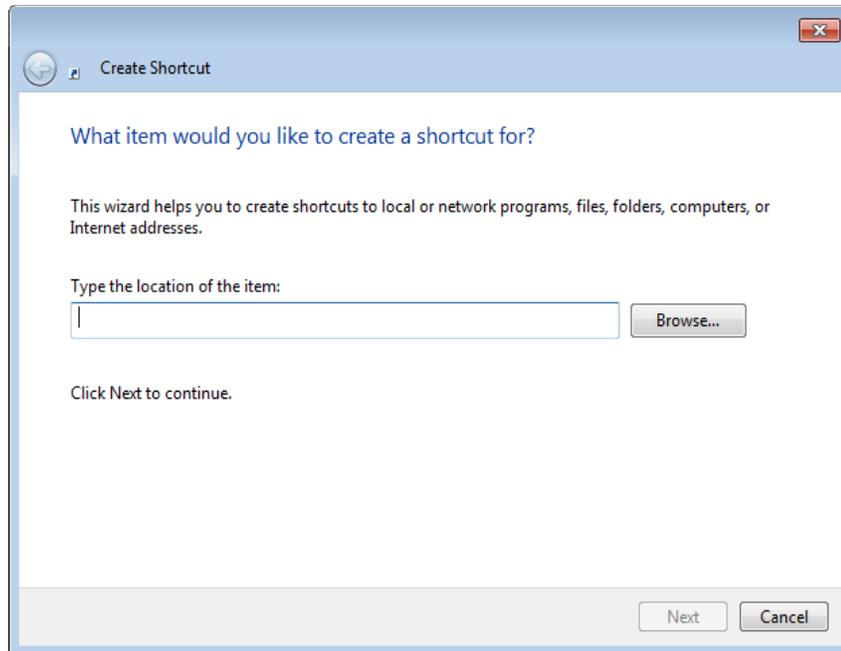


Figure 5-27: Add Desktop Shortcut

2. After entering the URL, press **Next** as in Figure 5-28

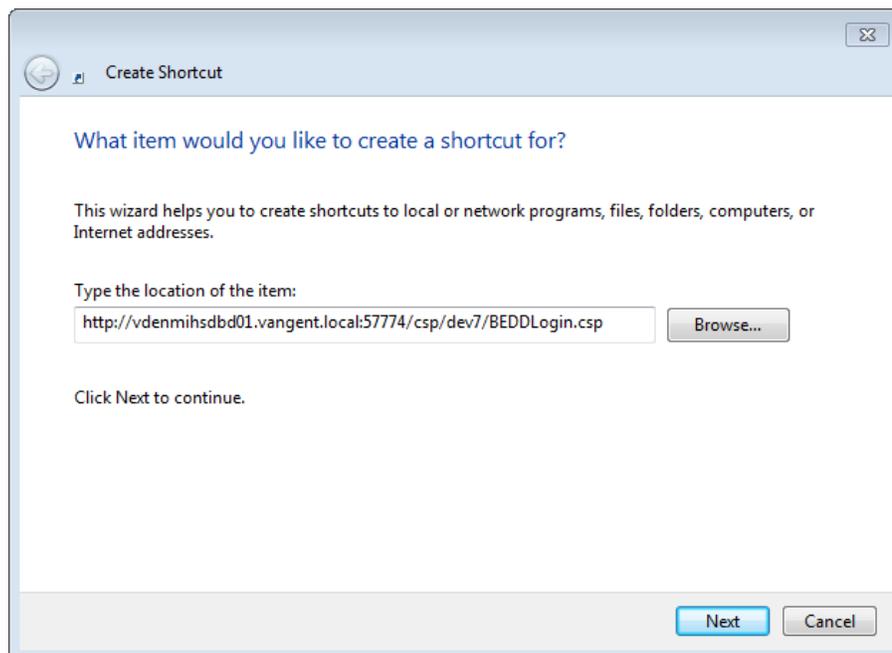


Figure 5-28: Enter URL for shortcut

3. In the **Type a name for this shortcut:** prompt, enter **ED Dashboard** and click **Finish** as indicated in Figure 5-29.



Figure 5-29: Name Shortcut

4. Click the new icon to test as indicated in Figure 5-30.

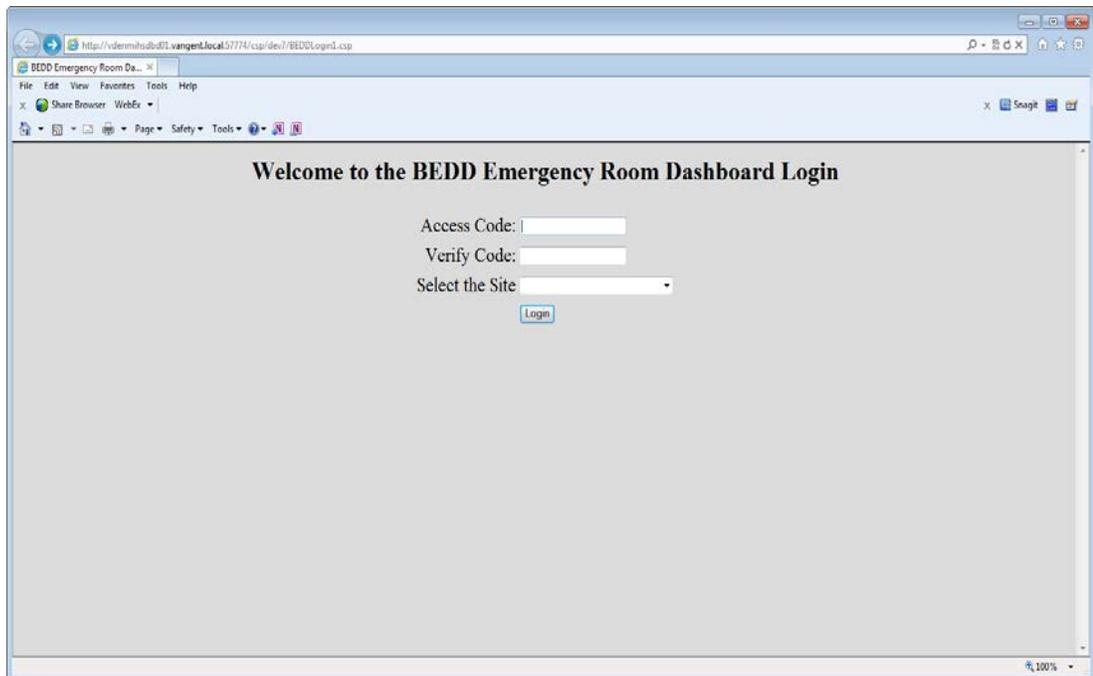


Figure 5-30: Dashboard Login Page

5.4.2 EHR Setup

For access to the EDD from the EHR, the following steps need to be performed in the Design Mode of the EHR application:

1. Open EHR, right-click in the title bar at the top and choose **Design Mode** as indicated in Figure 5-31.

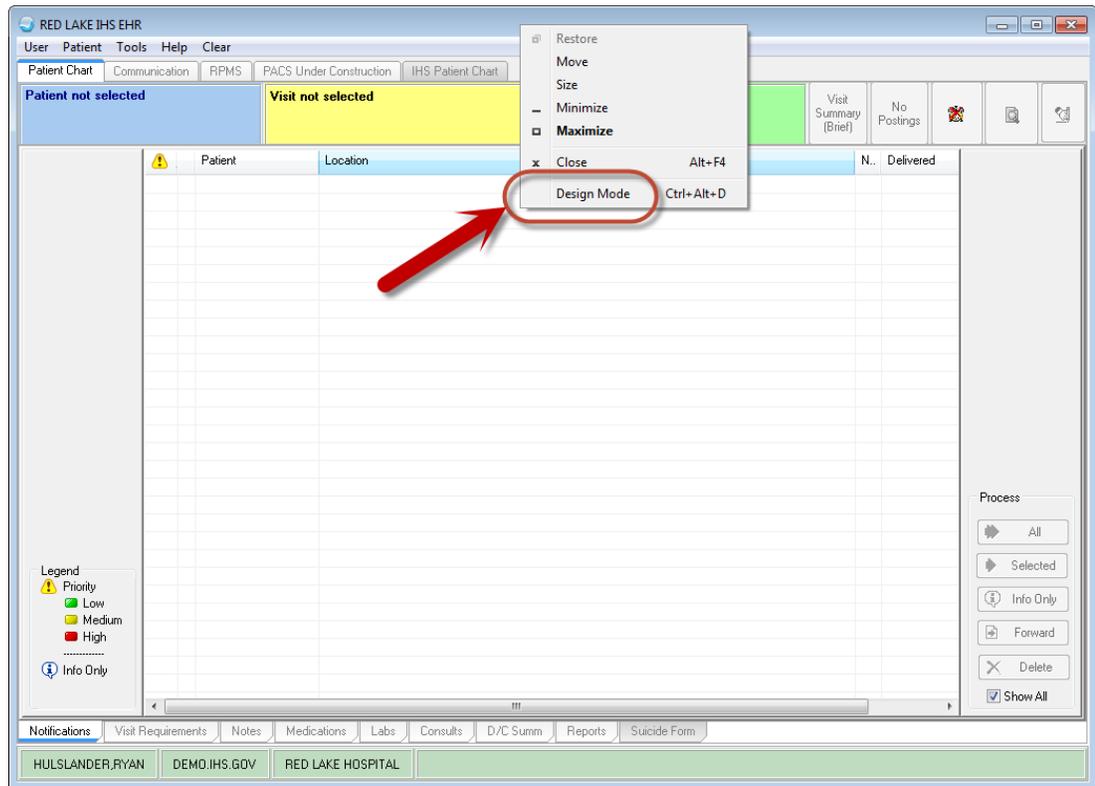


Figure 5-31: Enter design mode

2. Select **Design -> Desktop Properties** as displayed in Figure 5-32.

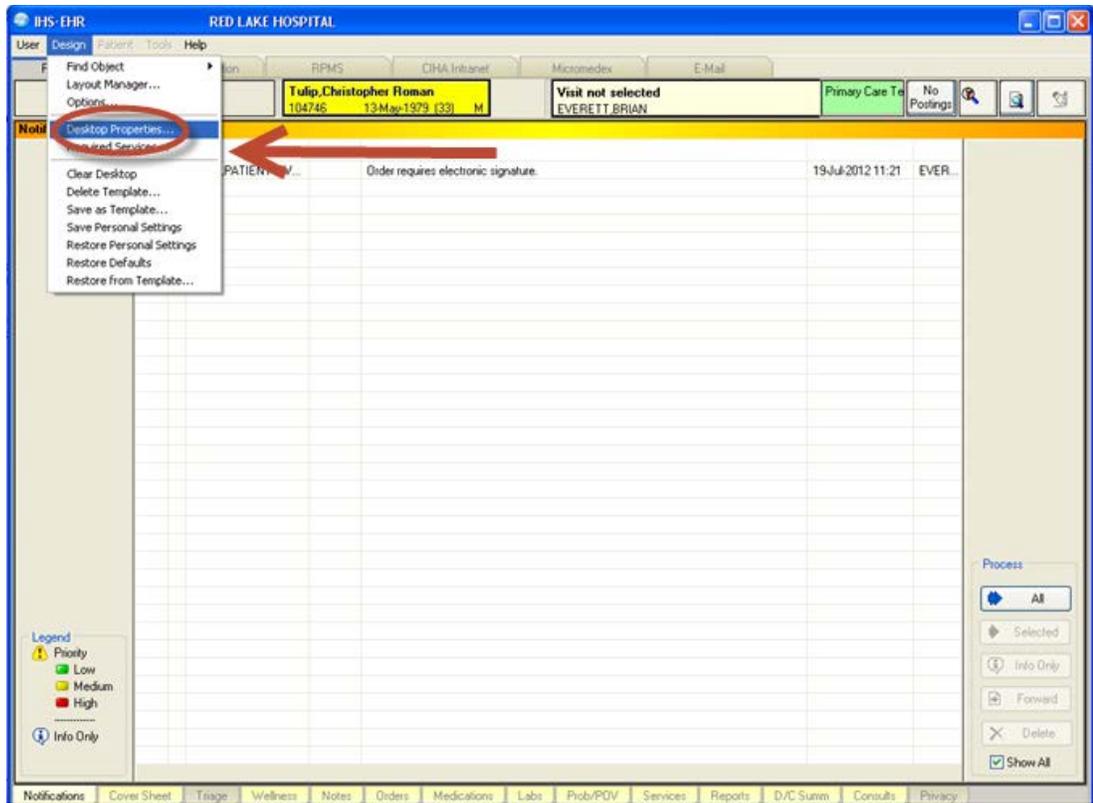


Figure 5-32: Desktop Properties

3. Select **Customize Menus** as displayed in Figure 5-33.

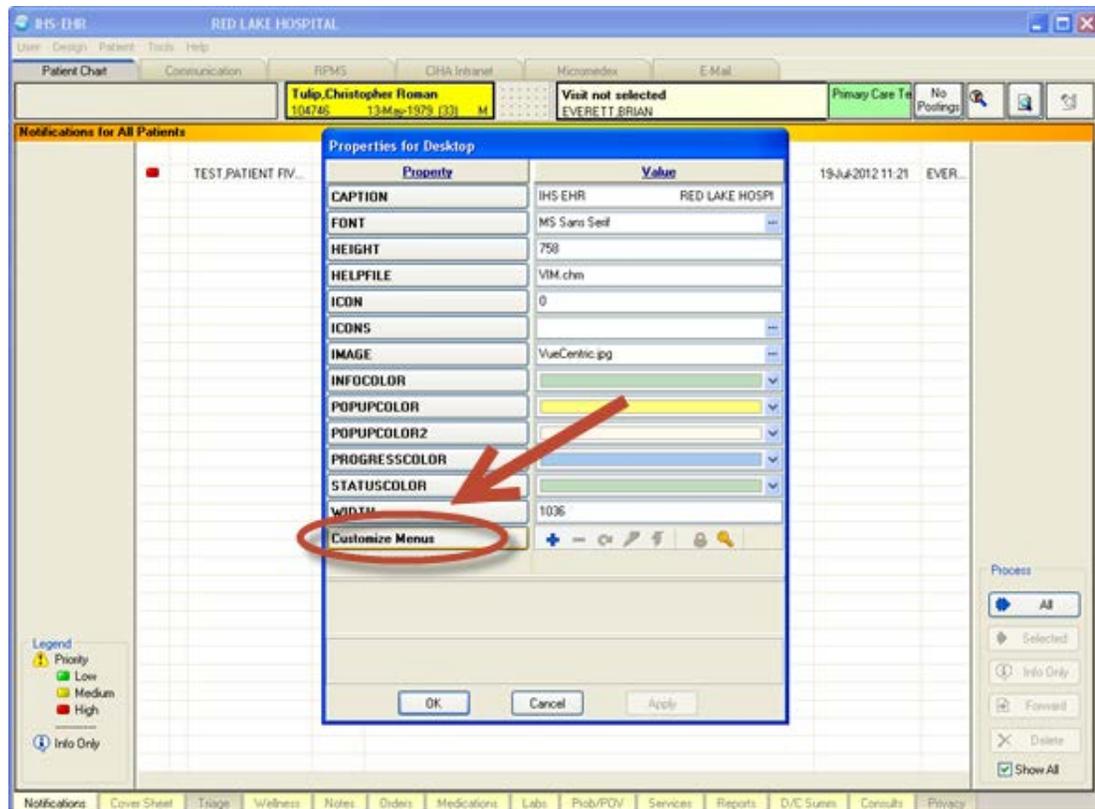


Figure 5-33: Customize Menus

- Click the plus sign (+) to add and enter a new menu option **ED Dashboard** as seen in Figure 5-34 and Figure 5-35.

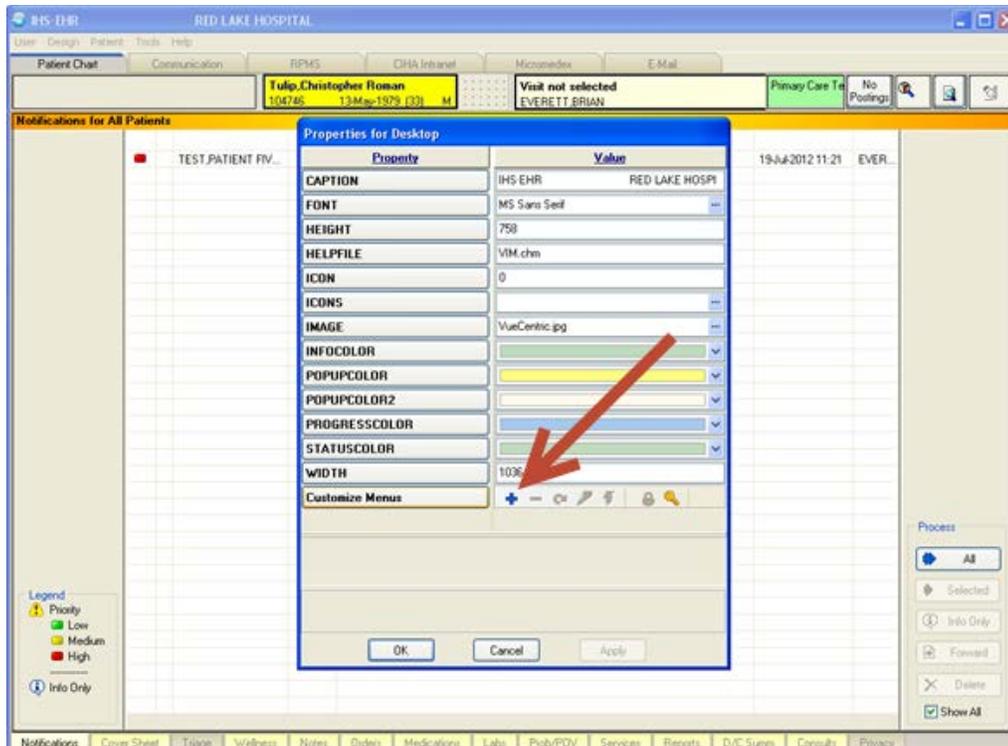


Figure 5-34: Customize Menus cont'd

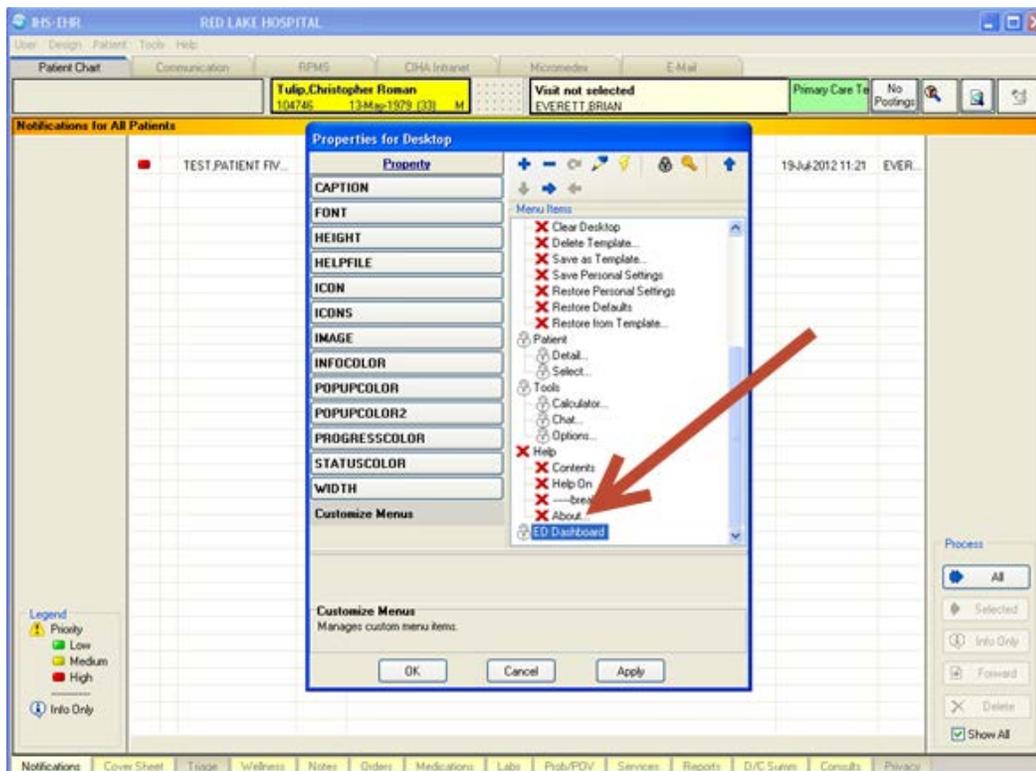


Figure 5-35: Customize Menus cont'd

- In the **Edit Action Box**, put in the path to Internet Explorer followed by a space and the regular EHR URL as seen in Figure 5-36, 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 http://**IPaddress:PORT**
csp/bedd/BEDDLogin.csp?DUZ=\$(user.handle)&SITE=\$(site.handle)&LOC=EH
R

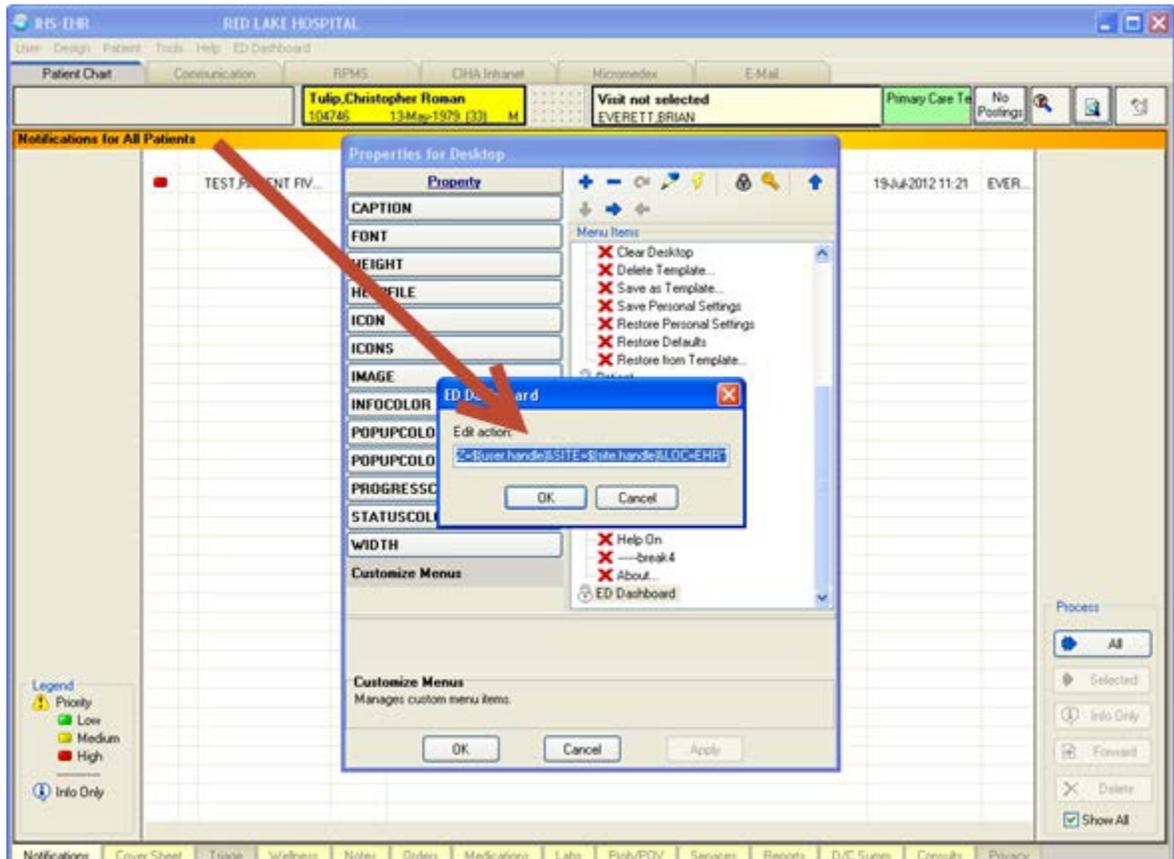


Figure 5-36: Edit action

- Click **OK**, **Save Settings** and leave design mode.
- Click on the new menu option **ED Dashboard**, and the EDD main screen will display as indicated in Figure 5-37.

RED LAKE IHS EHR
 User: Patient Tools Help Clear
 Patient Chart Communication RPMS PACS Under Construction IHS Patient Chart Emergency Department Dashboard

Back Forward Stop Refresh Home Print

Last update: Jun 27, 2012@02:06:21

Check-In	Wtg	Avg Wtg	Triaged	Wtg	Avg Wtg	Rooms	Wtg	Avg Wtg	Pend	Wtg	Avg Wtg
1	7897	7897	1	8766	8766	1	7894	7894			

Discharges Manager

Check-In

Waiting	Check-In	Patient (gender)	DOB (age)	Chart	Presenting	Clinic	Info	Actions	Reg
	06/21/2012 14:29	TEST, KALIANN (F)	05/02/90 (22 YRS)	108252	ANKLE HURTS	URGENT CARE	Paged for Triage on Jun 21, 2012 15:19:16 by HULSLANDER, RYAN;	<input type="radio"/> Trg Page <input type="radio"/> Page <input type="radio"/> Obsv <input type="radio"/> TrgRpt	NO

Triaged

Waiting	Trg	Time	Patient (gender)	DOB (age)	Chart	Chief Complaint	Order Activity	Clinic	Nurse	Provider	Consult	Info	Acti
	3	24:00	TEST, BEE ONE (M)	01/01/54 (58 YRS)	T00003	PAIN		URGENT CARE	ASH, VIOLET	AARONSON, STEVE	No	Paged for Triage on Jun 20, 2012 21:04:45 by EVERETT, BRIAN; Pt Observed on Jun 20, 2012 21:04:51 by EVERETT, BRIAN;	<input type="radio"/> Rm <input type="radio"/> Page <input type="radio"/> Ob <input type="radio"/> Tr

Room Management

HULSLANDER, RYAN DEMO.IHS.GOV RED LAKE HOSPITAL

Figure 5-37: gv bff Dashboard Display

Acronym List

Acronym	Term 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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