



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Emergency Department Dashboard

(BEDD)

Installation Guide and Release Notes

Version 1.0 Patch 1
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Office of Information Technology
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Preface

The purpose of this manual is to provide the user with the information required to install the IHS Emergency Department Dashboard Version 1 Patch1.

1.0 Release Notes

The Emergency Department Dashboard (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
- EHR data
- A combination of all three

2.0 Installation Notes

Prefix: BEDD

Current Version: 1.0 Patch 1

Note: Read the entire notes file prior to attempting any installation.

- The BEDD Version 1.0, Patch 1 release consists of both a Kernel Installation and Distribution System (KIDS) build and an XML build. The XML build must be installed first.
- The KIDS build component of the BEDD Version 1.0, Patch 1 release is a non-cumulative build, meaning that in order for it to be installed, the original IHS EMERGENCY DEPT DASHBOARD Version 1.0 KIDS release must first be installed.
- The XML build component of the BEDD Version 1.0 Patch 1 release is a cumulative build, meaning that it is not necessary to have installed the XML build that was included with the original version release. Sites that have not previously installed the BEDD application therefore do not need to first install the original XML build prior to installing the XML build included with Patch 1.
- Make a copy of this distribution for offline storage.
- Print all notes and readme files.
- It is recommended that terminal output during the KIDS installation be captured using an auxport printer attached to the terminal at which the user is performing the software installation or using a screen capture. This capture combined with the KIDS entry in the INSTALL file will ensure a printed audit trail should any problems arise.

2.1 Contents of Distribution

File	Description
bedd0100.01k	KIDS file
bedd0100.01n	Installation notes
bedd0100.01.xml	Ensemble import file
bedd0100.01i.pdf	Installation Manual and Release notes

2.2 Required Resources

Module/Software	Minimum Version
InterSystems Ensemble	v2010.2.3 or later
IHS EMERGENCY DEPT DASHBOARD (BEDD)	v1.0
VA FileMan (DI)	v22.0 Patch 1003
VA Kernel (XU)	v8.0 Patch 1015
PCC Data Entry (APCD)	v2.0 through Patch 10
Patient Registration (AG)	v7.1 Patch 10
ER Visit System (AMER)	V3.0 Patch 4

3.0 BEDD XML/Ensemble Installation

This section begins the BEDD installation process. It describes how to import the BEDD application into Ensemble Studio from an XML file.

3.1 Import the BEDD XML file

3.1.1 Open Ensemble Studio

1. Click the Ensemble cube in the system tray (at the right end of the Windows Taskbar) to display the menu (Figure 3-1).

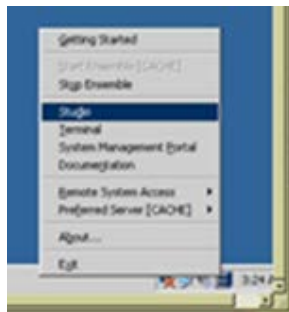


Figure 3-1: Ensemble menu

2. Select **Studio** from the menu. A login ID and password may be required. The Ensemble Studio window displays.

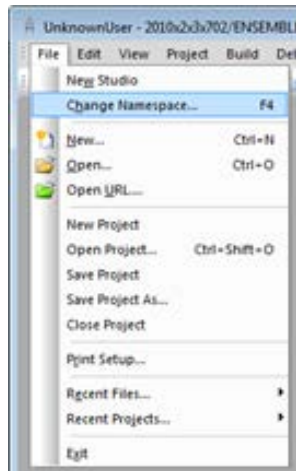


Figure 3-2: **Change Namespace** option on the **File** menu

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

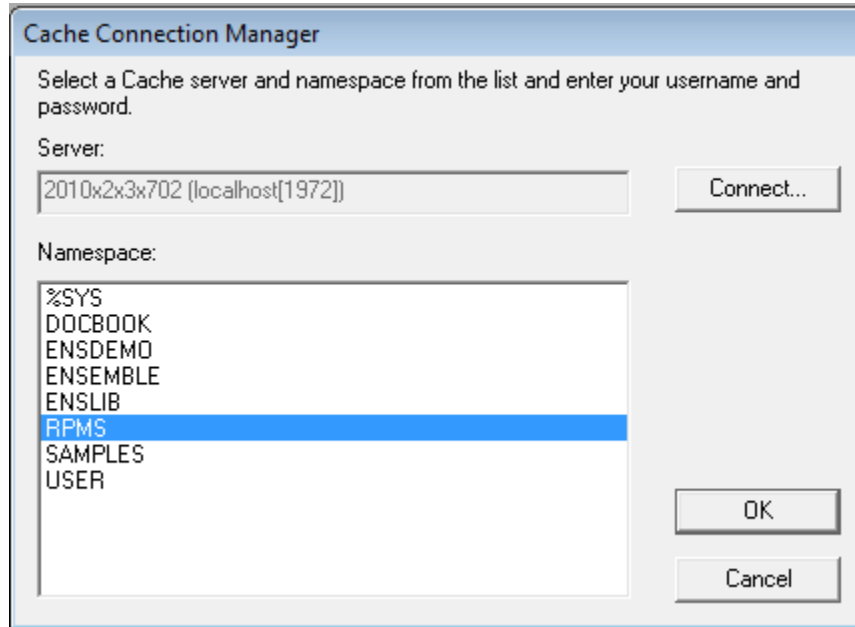


Figure 3-3: **Cache Connection Manager** dialog

4. In the **Namespace** list, select the **RPMS** namespace (in this example it is **RPMS**) and click **OK**.

3.1.2 Import the bedd0100.01.xml file

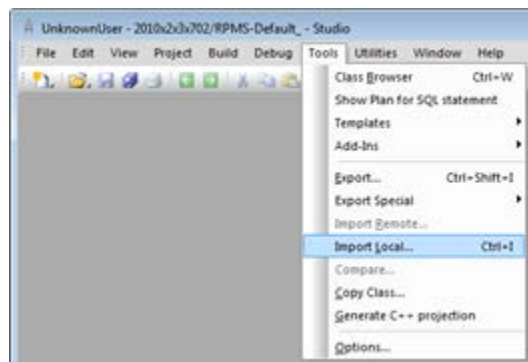


Figure 3-4: **Tools** menu

5. On the **Tools** menu, select **Import Local** to display the **Open** dialog (Figure 3-5).

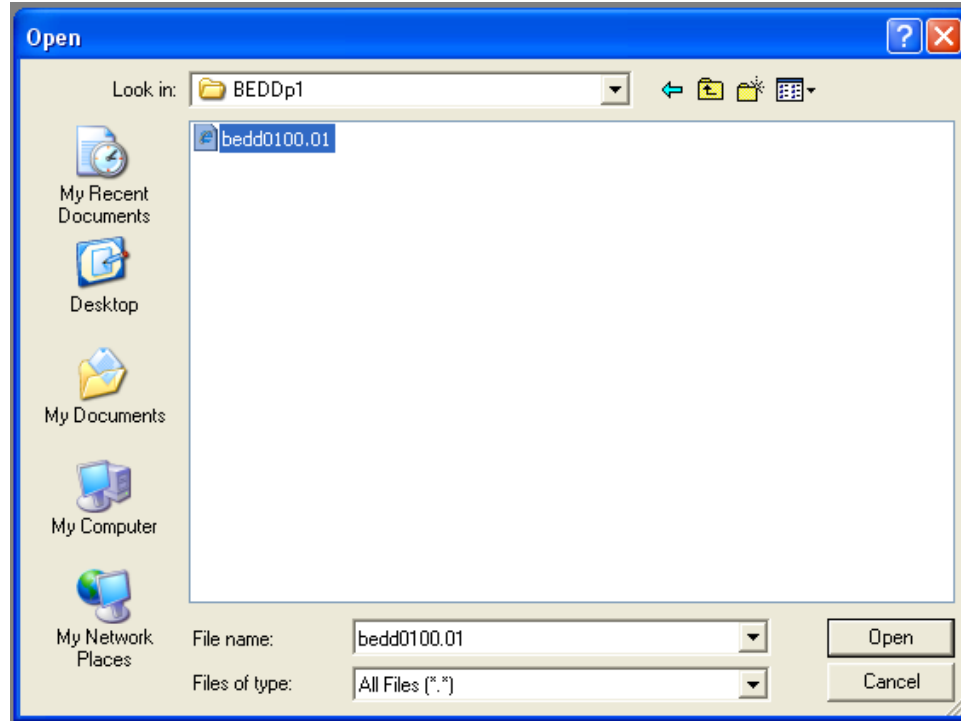
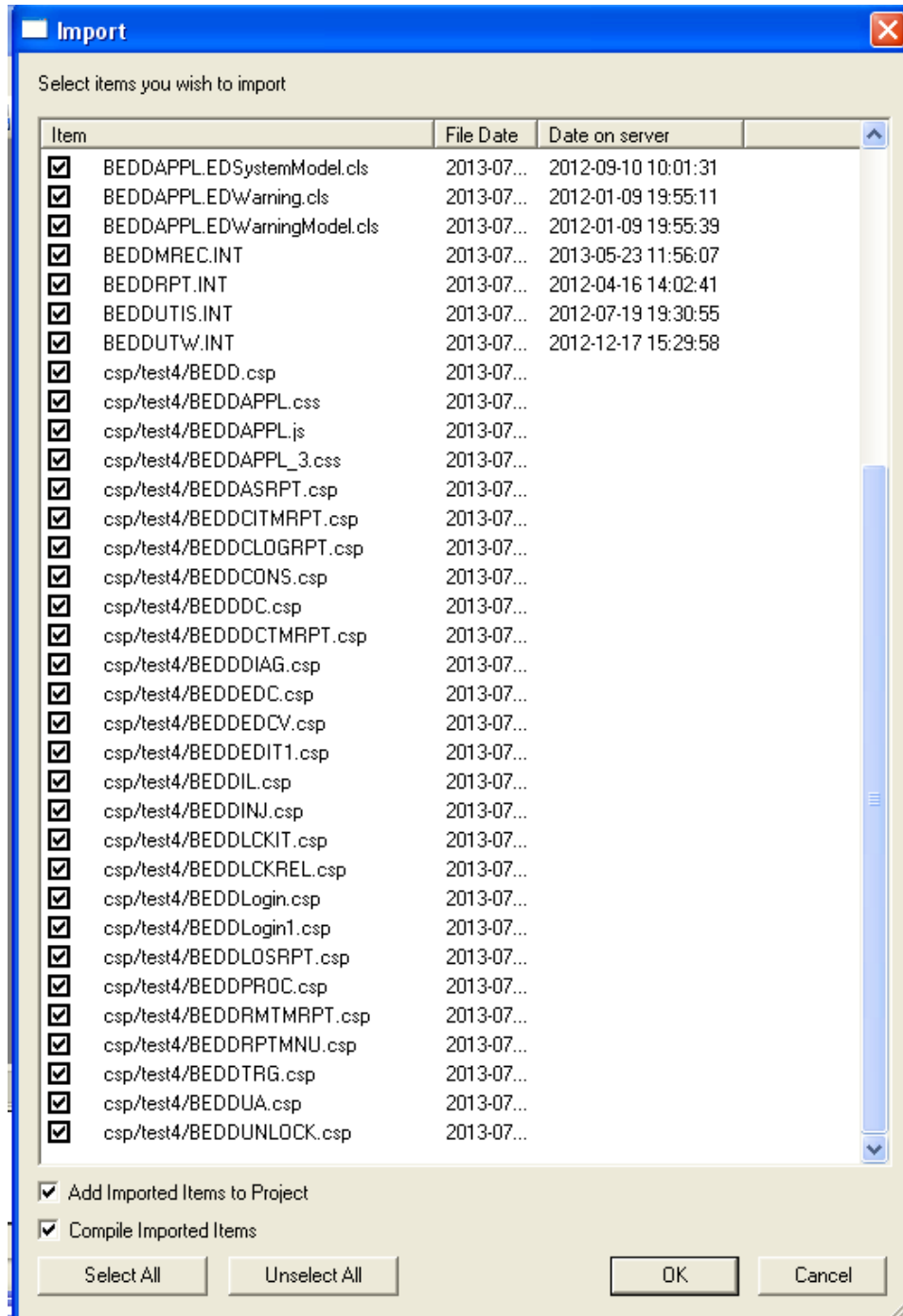


Figure 3-5: **Open** dialog

6. Navigate to the folder that contains the file, and select **bedd0100.01.xml**.
7. Click **Open** to display the **Import** dialog (Figure 3-6).

Figure 3-6: **Import** dialog

8. Select all items in the list.
9. Select **Compile Imported Items**.
10. Click **OK**. After the system compiles the EDD package files, the **Compilation finished successfully in...** message appears in the Output pane.

11. A warning dialog similar to Figure 3-7 may be displayed after the XML file has been imported. Click **OK** to continue.

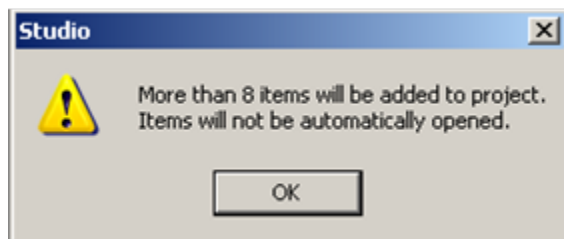


Figure 3-7: **Studio** warning dialog

4.0 Cache Server Page Configuration

Note: 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. These instructions are for testing purposes only.

Configure the security settings for the EDD Caché® Server Page (CSP) web 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 application will not be able to display the EDD's main dashboard page.

4.1 Enable System Authentication Options

1. Sign on to the **Ensemble System Management Portal**.
2. Select **System Administration** in the left column.
3. Select **Security > System Security > Authentication/CSP Session Options**. The **Authentication/CSP Options** (Figure 4-1) displays.

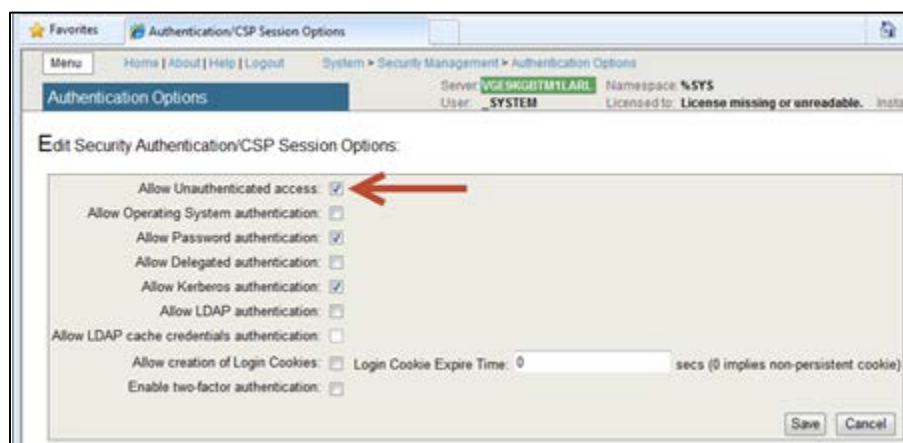


Figure 4-1: **Authentication/CSP Options** page

4. Ensure that **Allow Unauthenticated access:** is selected then click **Save**. The change will take effect immediately.

4.2 Create a New CSP Application

1. Return to the **Ensemble Management Portal** page.
2. Select **Security > Applications > Web Applications** under **System Administration** in the left column. The **Web Applications** page (Figure 4-2) displays.

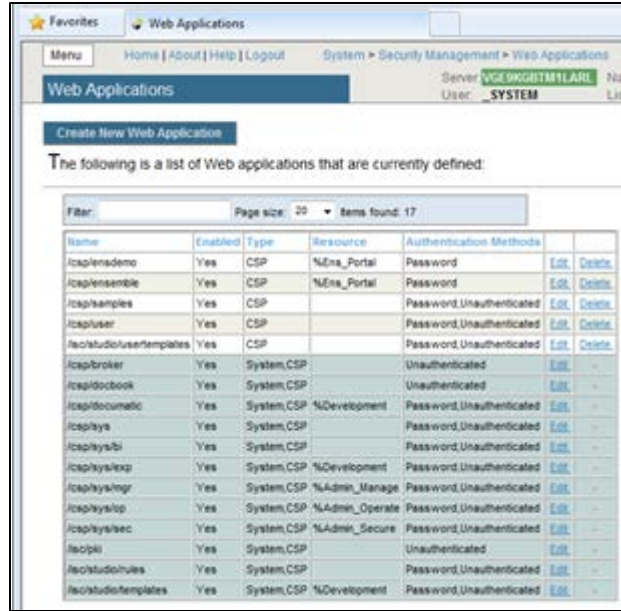


Figure 4-2: **Web Applications** page

3. Select **Create New Web Application** to display the **Edit Web Application** page (Figure 4-3).

Use the following form to create a new Web application:

[General] Application Roles Matching Roles

Web Application Name: /csp/bedd (e.g. /csp/appname)

Copy from: an existing name here

Description: ED Dashboard

Enabled:

Resource required to run the application:

Allowed Authentication Methods: Unauthenticated
 Password
 Kerberos
 Login Cookie

Group By Id:

Two Factor Enabled:

CSP/ZEN Enabled:

Inbound Web Services Enabled:

Permitted Classes:

Namespace: RPMS

Namespace Default Application:

CSP Files Physical Path: /usr2/cachesys/csp/rpms

Recurse: Yes

Auto Compile: Yes

Event Class:

Session Timeout: 900

Default Superclass:

Use Cookie for Session: Autodetect

Session Cookie Path: /csp/bedd/

Save Files: Always Serve Files Timeout: 3600

Lock CSP Name: Yes

Custom Error Page:

Package Name:

Login Page: BEDDLogin.csp

Change Password Page:

* Indicates a required field

Figure 4-3: Edit Web Application page

4. Fill in the values similar to Figure 4-3:
 - a. At **Web Application Name** type **/csp/bed**.
 - b. At **Description** type **ED Dashboard**.
 - c. At **Allowed Authenticated Methods** select **Unauthenticated**.
 - d. At **Namespace**, select the site's RPMS namespace from the list.
 - e. At **CSP Files Physical Path**, locate the directory as `<cacheinstance>/csp/<RPMSinstance>` (alternatively, click **Browse** to navigate to the directory).
 - f. At **Login Page**, type **BEDDLogin.csp** (this is case-sensitive).
5. Click **Save**.

4.3 Update Ensemble's UnknownUser

1. Return to the main **Ensemble Management Portal** page.
2. Select **Security > Users** under **System Administration** in the left column. The **Users** page (Figure 4-4) displays.

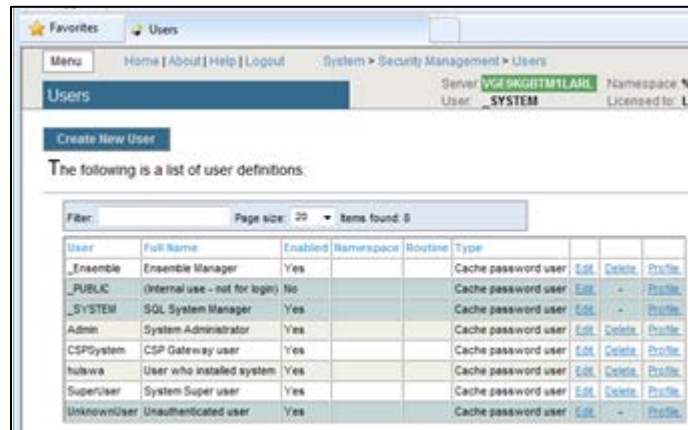


Figure 4-4: **Users** page, **Create New User** dialog

3. Locate the user whose **Full Name** is **UnknownUser**. Once found, click the corresponding **Edit**. The **Edit User** page Figure 4-5 displays.

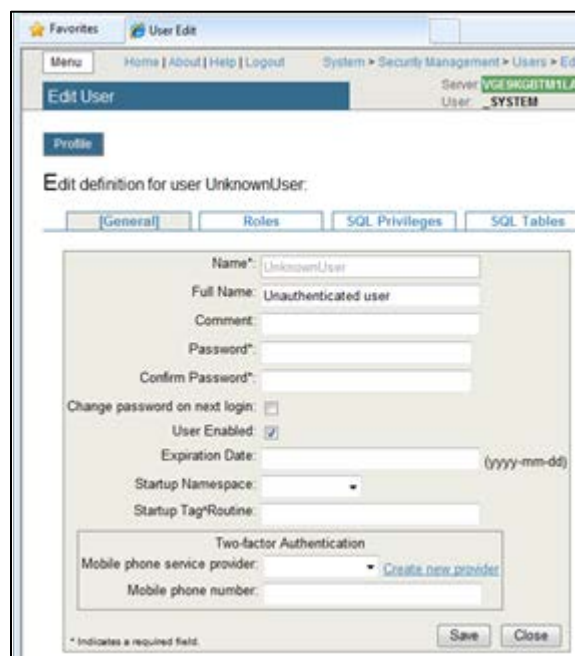


Figure 4-5: **Edit User** page, **Profile** dialog, **General** tab

4. Select the **Roles** tab to display the page in Figure 4-6.

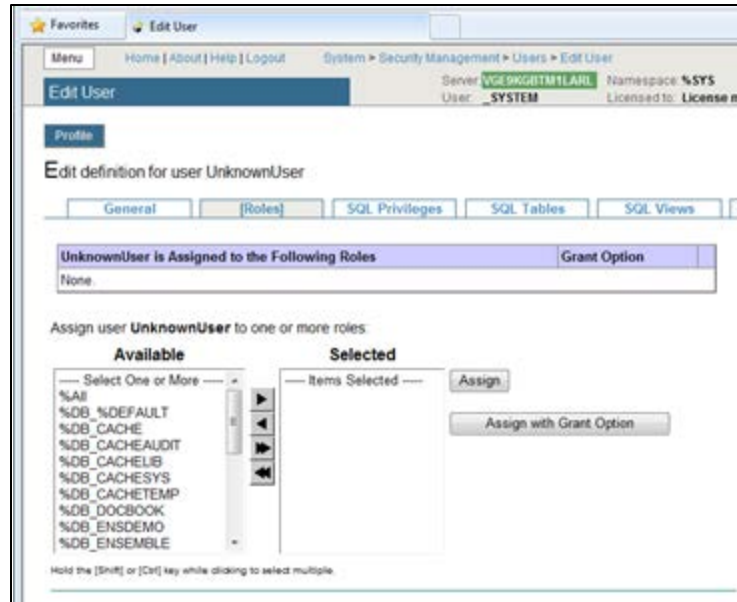


Figure 4-6: Edit User page, Profile dialog, Roles tab

5. If the list of roles under **UnknownUser is Assigned to the Following Roles** includes **%All**, no further action in this section is required. If not, select **%All** in the list of **Available** roles on the left hand side of the page, and click the left-pointing arrow located between the Available and Selected columns.
6. Once **%All** appears in the **Selected** column, click **Assign** and **%All** will display under **UnknownUser is Assigned to the Following Roles** as seen in Figure 4-7.

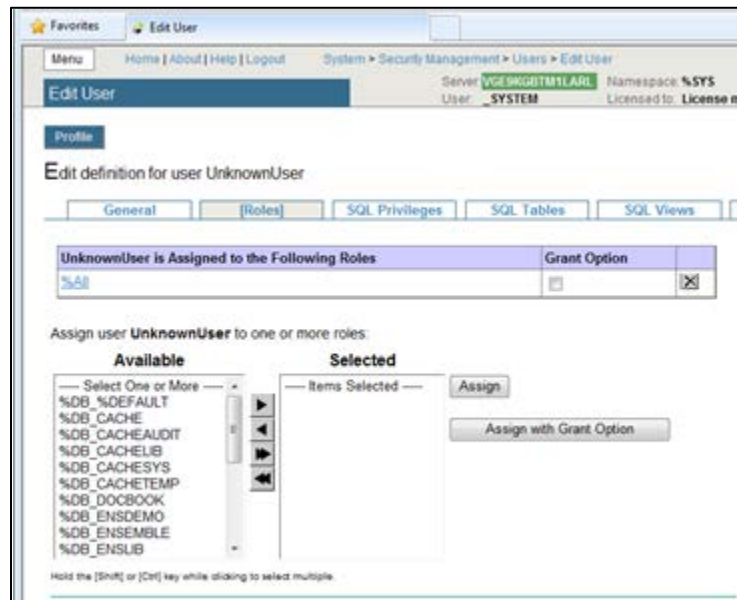


Figure 4-7: Edit User page, Profile dialog, Roles tab

The CSP/Web application portion and security setup is complete.

5.0 CSP Web Gateway Installation

The CSP Web Gateway provides the communications layer between the hosting Web server and Ensemble when a CSP is called. The purpose of using the CSP Web Gateway is to offload the access to the EDD application to a dedicated web server, and to 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.

5.1 Install Cache Shell

1. Launch the Ensemble executable appropriate for your version of Windows. The License Agreement dialog (Figure 5-1) displays.

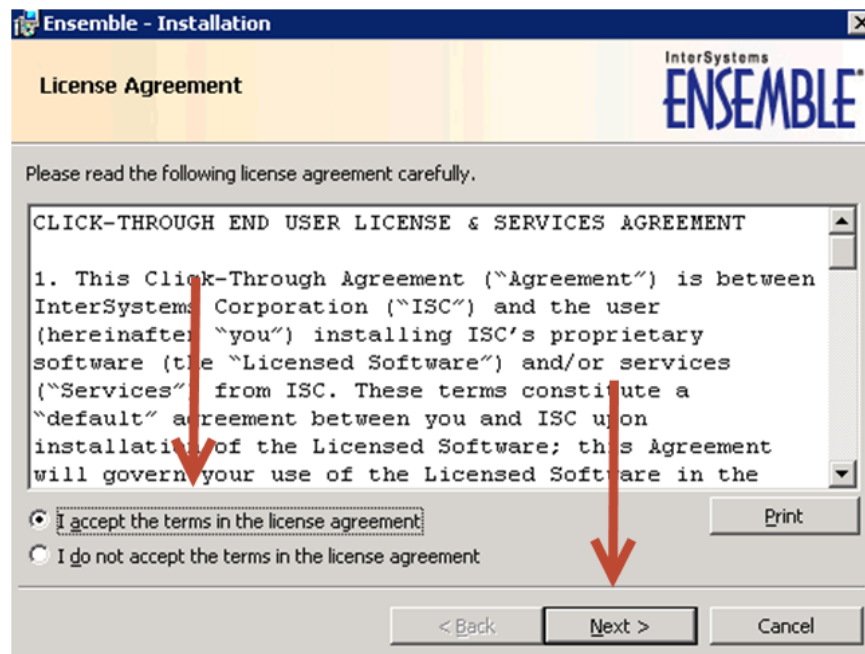


Figure 5-1: Ensemble Installation, License Agreement dialog

2. Select **I accept the terms in the license agreement** and click **Next**. The Ensemble Instance Name dialog (Figure 5-2) displays.

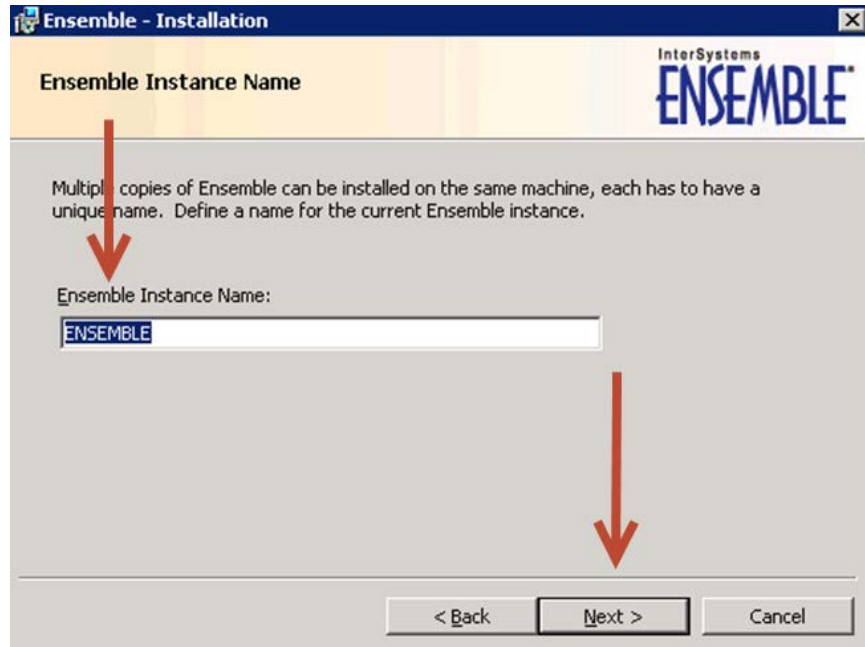


Figure 5-2: Ensemble Installation, Ensemble Instance Name dialog

3. Type a unique **Ensemble Instance Name** for this physical machine and press **Next**. The **Destination Folder** dialog (Figure 5-3) displays.

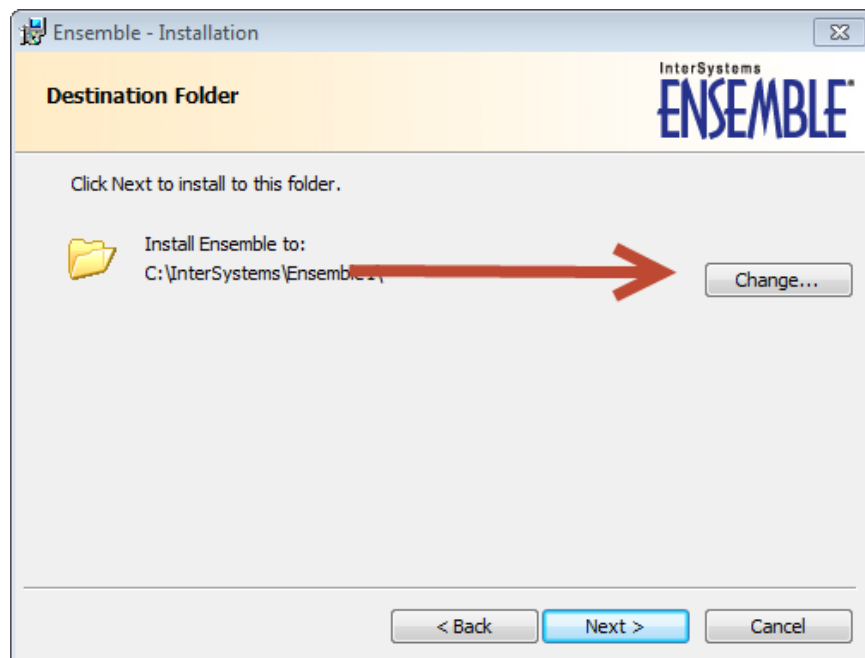


Figure 5-3: Ensemble Installation, Destination Folder dialog

4. Click **Change**. The **Change Current Destination Folder** dialog (Figure 5-4) displays.

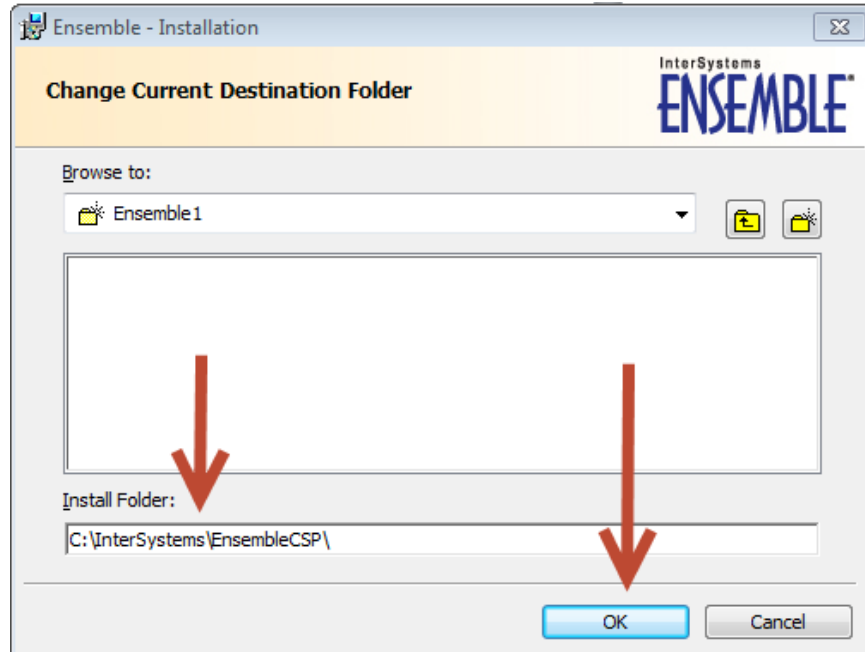


Figure 5-4: Ensemble Installation, Change Current Destination Folder dialog

- At **Install Folder**, type **C:\InterSystems\EnsembleCSP** and click **OK**. The Setup Type dialog (Figure 5-5) displays.

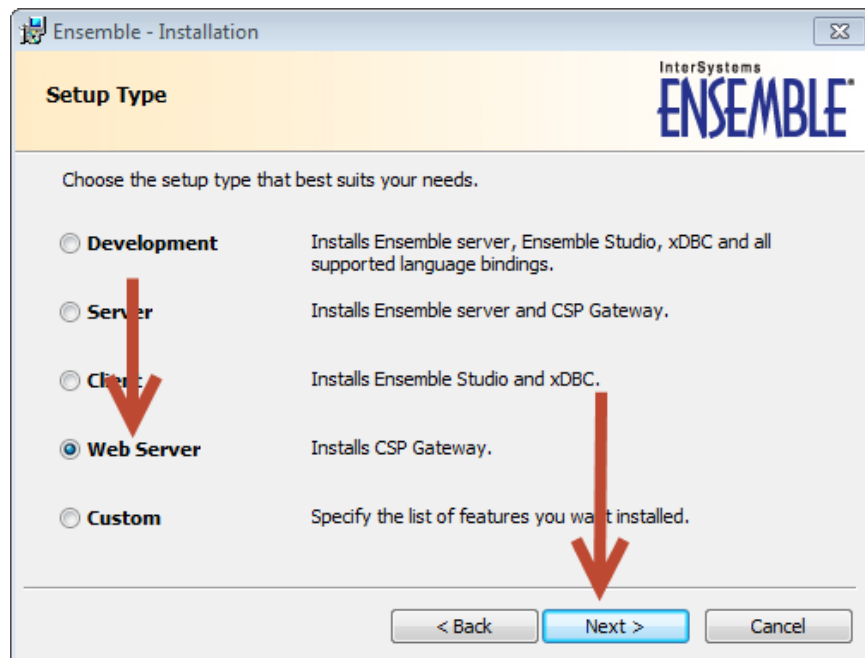


Figure 5-5: Ensemble Installation, Setup Type dialog

- Select **Web Server** and click **Next**. The **Ready to Install the Program** dialog (Figure 5-6) displays.

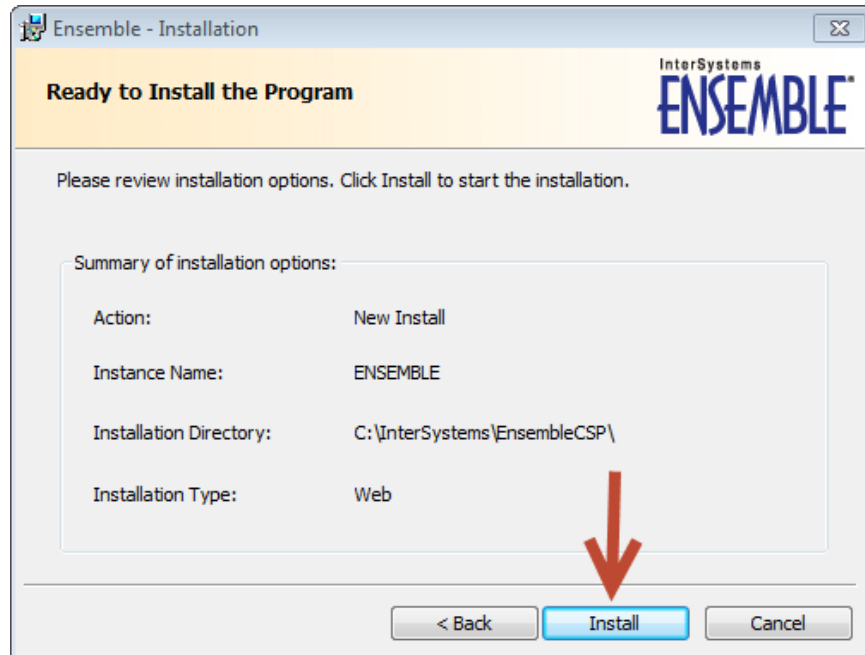


Figure 5-6: **Ensemble Installation, Ready to Install the Program** dialog

7. Review the installation options. Click **Install** to start the installation.

If IIS is running a warning message (Figure 5-7) displays. Click **Yes** to stop IIS and continue the installation process.

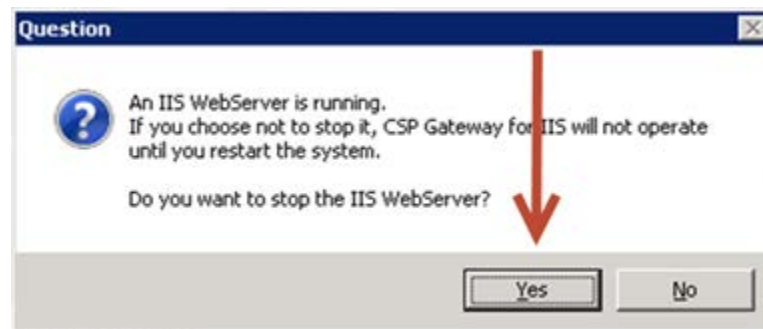


Figure 5-7: Warning message

When installation is done, the **Completed** dialog (Figure 5-8) displays.

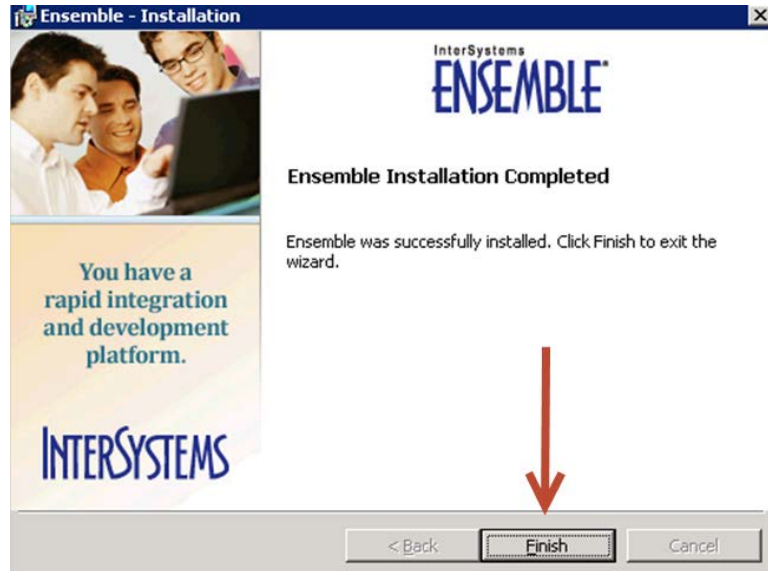


Figure 5-8: Ensemble Installation, Completed dialog

8. Click **Finish** to complete the installation.

5.2 Configure IIS

1. From the web server where the CSP gateway was just installed, click the Windows **Start** button (Figure 5-9).

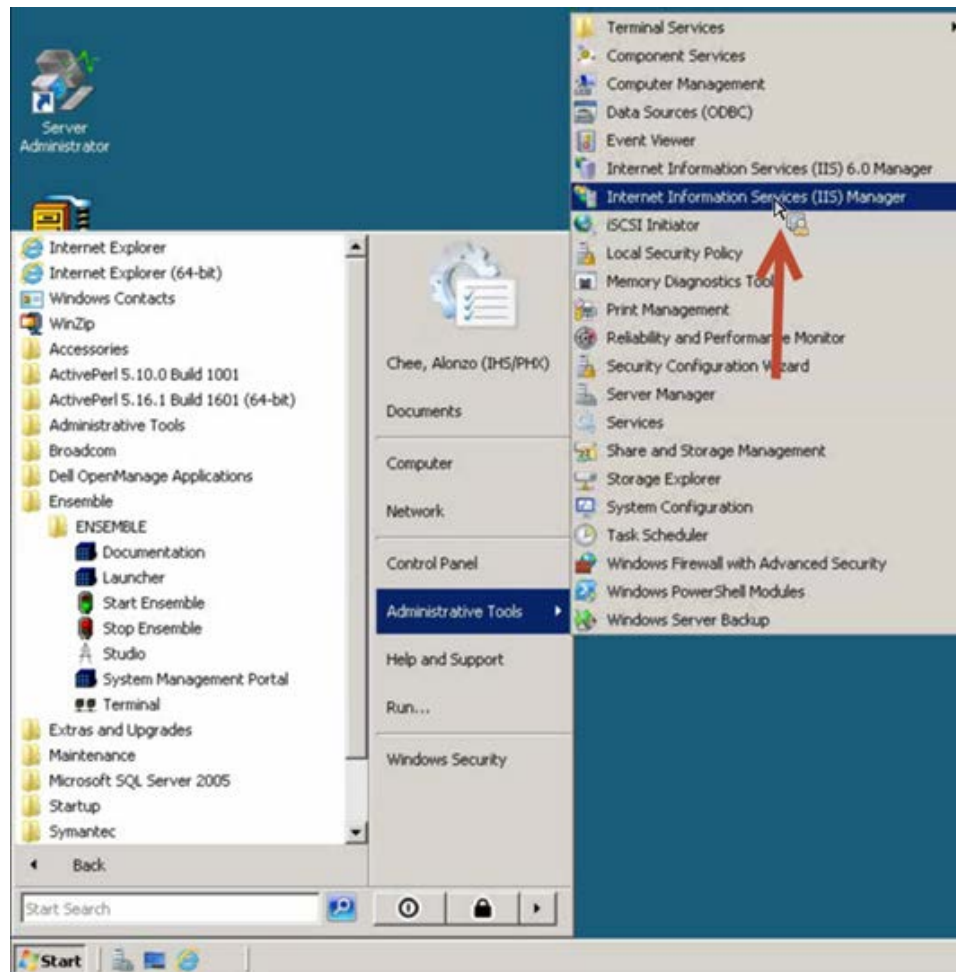


Figure 5-9: **Administrative Tools** menu

2. Select **Administrative Tools** and select **Internet Information Services (IIS) Manager** from the menu. The **/csp Home** pane (Figure 5-10) displays.

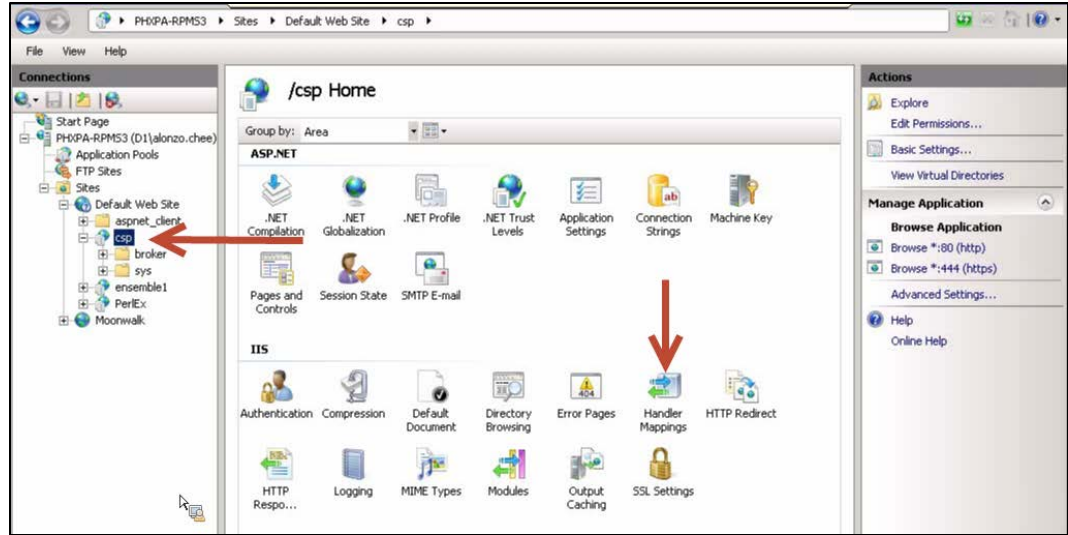


Figure 5-10: /csp Home pane

3. In the **Connections** pane, expand **Default Web Site**, then **csp**.
4. In the **/csp Home** pane, double-click **Handler Mappings**. The Handler Mappings pane (Figure 5-11) displays.

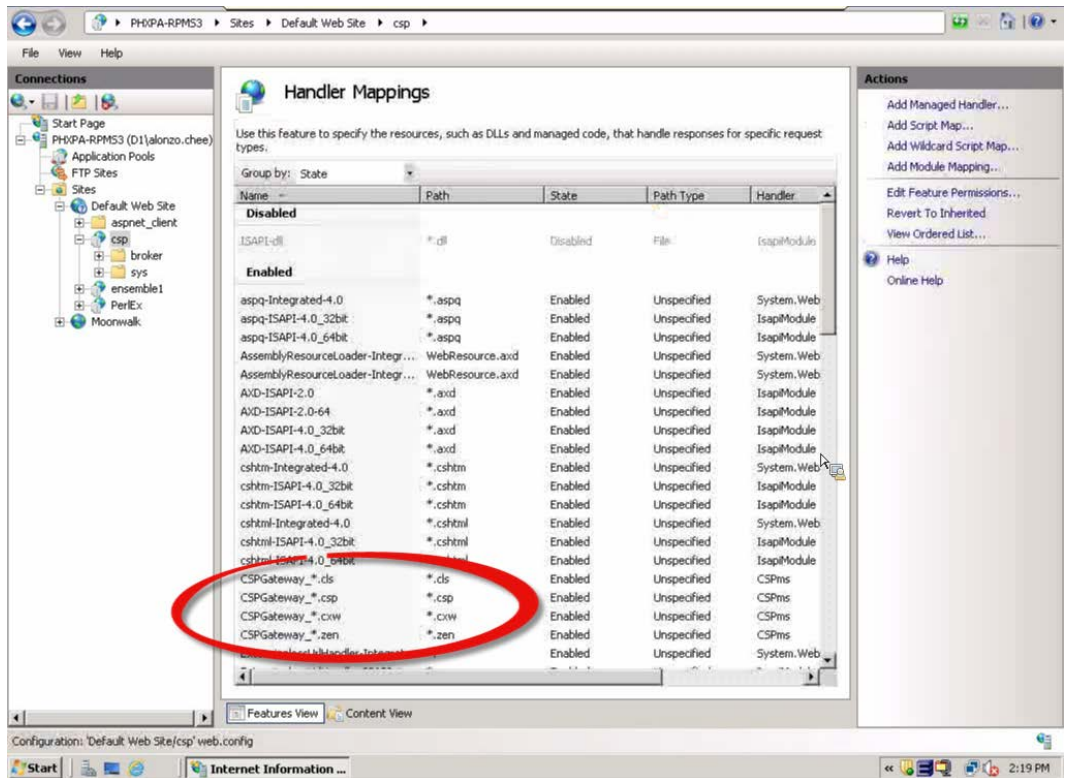


Figure 5-11: IIS Handler Mappings pane

5. Validate that the **CSPGateway_*** mappings are present for ***.cls**, ***.csp**, ***.cxw**, and ***.zen**, and that they are listed as **Enabled**.
6. Select **Add Module Mapping** from the **Actions** pane. The **Add Module Mapping** dialog (Figure 5-12) displays.

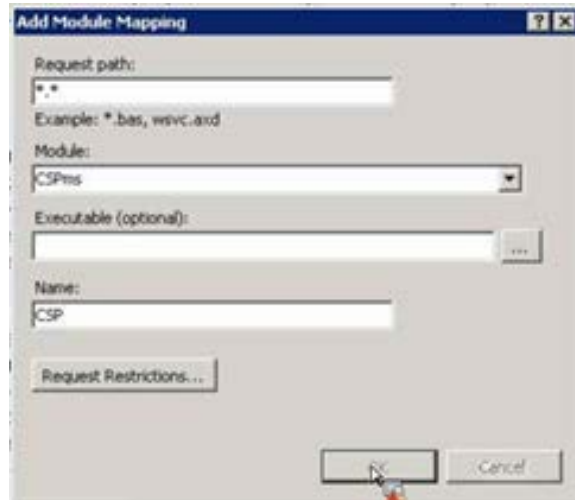


Figure 5-12: **Add Mobile Mapping** dialog

7. In order to have IIS handle CSP applications like EDD via IIS, type values as indicated in Figure 5-12.

5.3 Configure the CSP Web Gateway

1. While connected to the server on which the CSP Web Gateway was installed, open the web browser and type the following link:
<http://localhost/csp/bin/Systems/Module.cxw>.
The **CSP Web Gateway Management** page (Figure 5-13) displays.

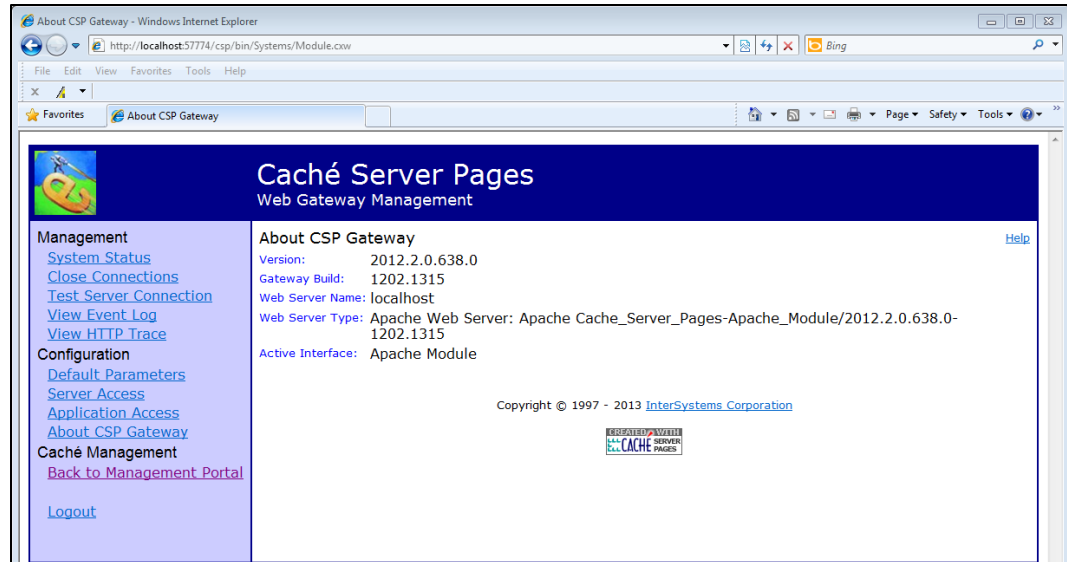


Figure 5-13: CSP Web Gateway Management page, About pane

2. Select **Server Access** from the **Configuration** group in the left pane. The **Server Access** pane (Figure 5-14) displays.

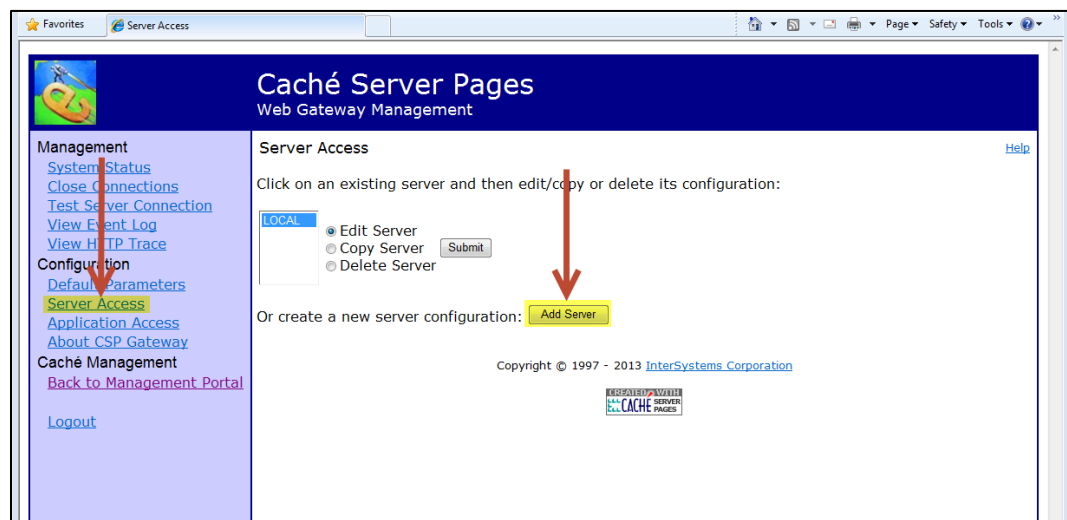


Figure 5-14: CSP Web Gateway Management page, Server Access pane

3. Click **Add Server**. The **Server Access** pane redisplay (Figure 5-15), ready to receive information on the server to be added.

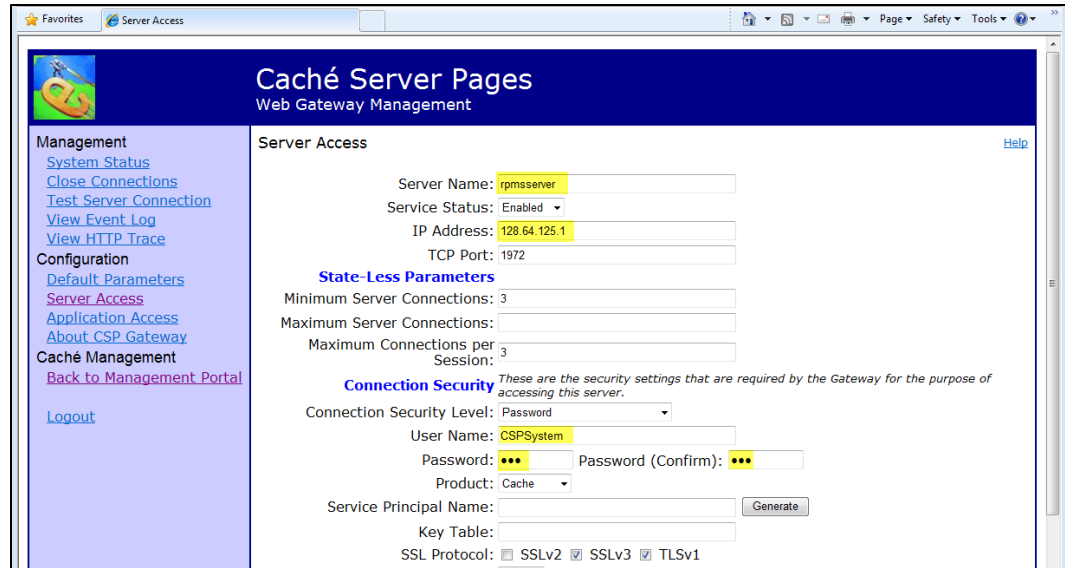


Figure 5-15: CSP Web Gateway Management page, Server Access pane, cont.

4. Type appropriate entries in the following fields:
 - Server Name
 - IP Address
 - User Name
 - Password and Password (Confirm)
5. Click **Save Configuration** when complete.
6. Select **Application Access** from the **Configuration** group in the left pane. The **Application Access** pane (Figure 5-16) displays.

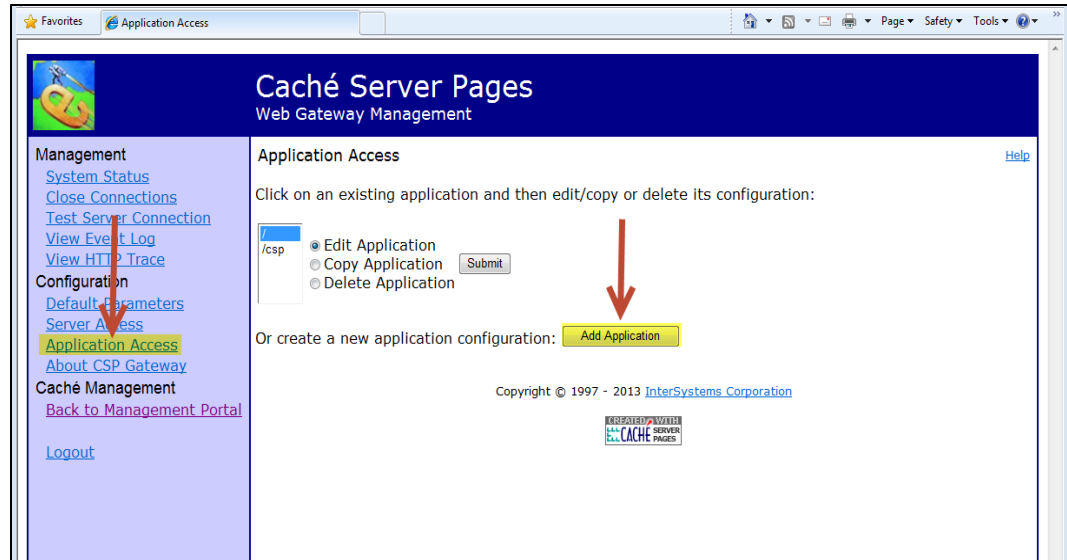


Figure 5-16: CSP Web Gateway Management page, Application Access pane

7. Click **Add Application**. The **Application Access** pane redisplay (Figure 5-17), ready to receive information on the application to be added.

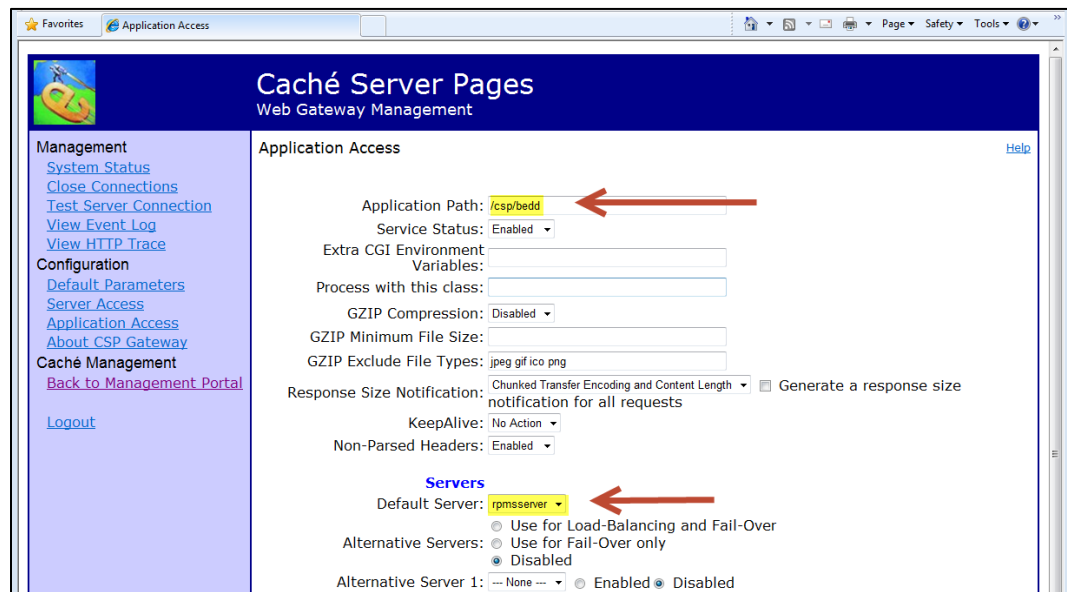


Figure 5-17: CSP Web Gateway Management page, Application Access pane, cont.

8. Make entries in the following fields:
 - **Application Path:** /csp/bed
 - **Default Server:** Select the previously configured server's name from the list.
9. Click **Save**.

10. Select **Test Server Connection** from the **Management** group in the left pane. If successful the **Test Server Connection** pane (Figure 5-18) displays.

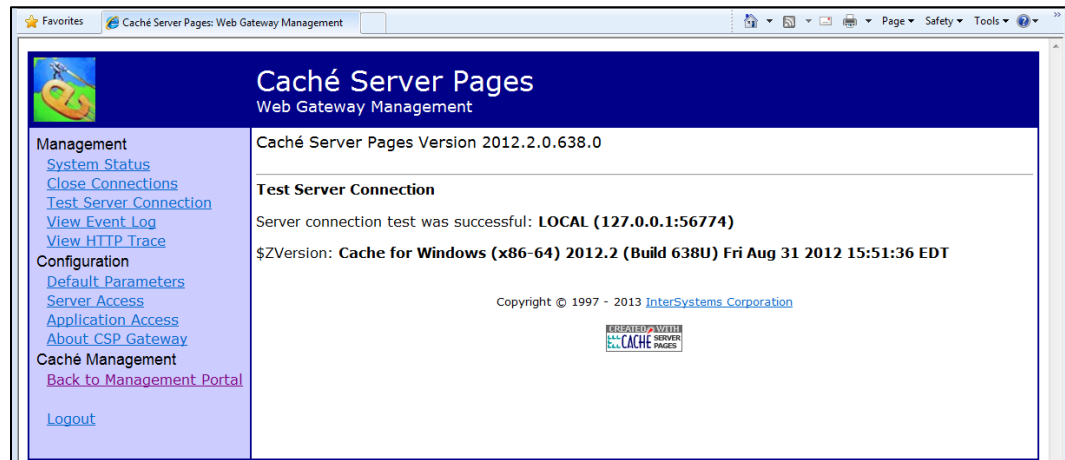


Figure 5-18: CSP Web Gateway Management page, Test Server Connection pane

11. At a workstation, open the web browser, type the ED Dashboard address (i.e., <https://npacsmtbmw.d1.na.ihs.gov/csp/bedd/BEDDLogin.csp>) into the web address field, and press Enter. The ED Dashboard Login page (Figure 5-19) should display.

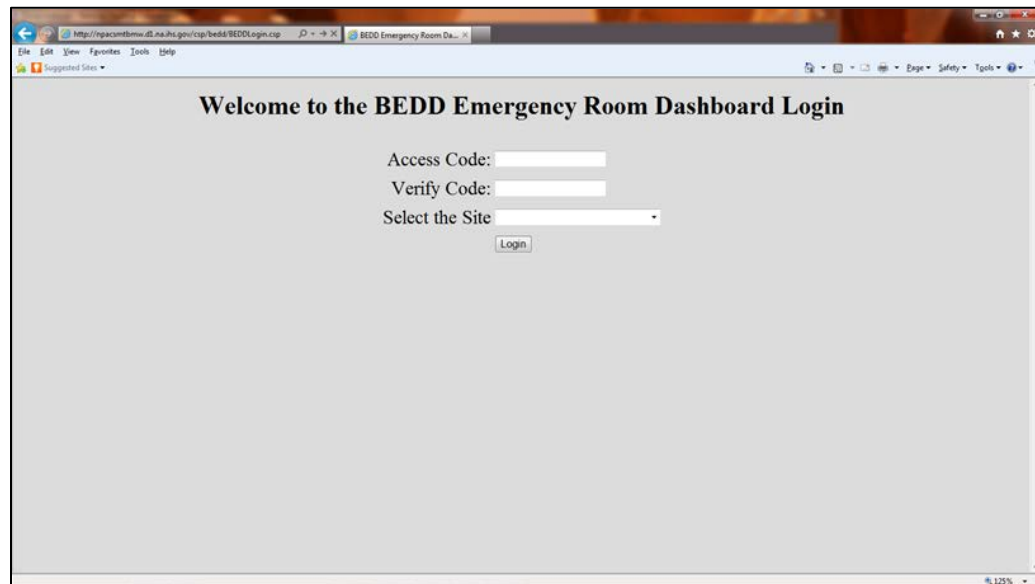


Figure 5-19: ED Dashboard Login page

Note: If using a non-standard port for the https protocol handled by IIS, such as 444, modify the URL as follows:
<https://npacsmtbmw.d1.na.ihs.gov:444/csp/bedd/BEDDLogin.csp>

6.0 BEDD KIDS Installation

This section details the steps required to install the EDD KIDS package. Prior to beginning the actual installation process, make a backup copy of the BEDD* routines.

Users should not be using the ED Dashboard application while the new patch is being loaded.

6.1 Pre-Installation

- If possible, load the software initially 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 BEDD Installation steps (Section 6.2) and its corresponding Sample BEDD Installation (Section 6.3) for the applicable prompts and user responses. User responses appear in bold type.

6.2 BEDD 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 **bedd0100.01k** at the “Enter a Host File” prompt. Note that 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? YES//” prompt.

This Distribution contains Transport Globals for the BEDD*1.0*1Package.

5. 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.
6. Type **BEDD*1.0*1** 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*1.0*1 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. (Because this is a new release no files will be replaced.).

- **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.).
7. From the **Installation** menu, select the **Install Packages(s)** option.
 8. At the “Select Install Name” prompt, type **BEDD*1.0*1**.
 9. 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**.
 10. Type the device that will print the install messages.
 11. Exit the **Installation** menu.

6.3 Sample BEDD 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 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 Option: 1 Load a Distribution

Enter a Host File: D:\RPMS_TEST\bedd0100.01k      <A site specific path is required>

KIDS Distribution saved on Jul 12, 2013@15:47:07
Comment: BEDD*1.0*1

This Distribution contains Transport Globals for the following Package(s):
BEDD*1.0*1

```

```

Distribution OK!

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

Build BEDD*1.0*1 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  BEDD*1.0*1
Will first run the Environment Check Routine, BEDD1E1

Use INSTALL NAME: BEDD*1.0*1 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

Select Installation Option: 2  Verify Checksums in Transport Global
Select INSTALL NAME:      BEDD*1.0*1      Loaded from Distribution      Loaded from
Distribution 7/15/13@12:15:44
=> BEDD*1.0*1 ;Created on Jul 12, 2013@15:47:07

This Distribution was loaded on Jul 15, 2013@12:15:44 with header of
  BEDD*1.0*1 ;Created on Jul 12, 2013@15:47:07
It consisted of the following Install(s):
  BEDD*1.0*1

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

PACKAGE: BEDD*1.0*1      Jul 15, 2013 12:15 pm      PAGE 1
-----

BEDD1E1  Calculated      1147561
BEDDEHR  Calculated      2045184
BEDDEHRS Calculated      21599952
BEDDMREC Calculated      32819285
BEDDTRPT Calculated      6329164
BEDDUTID Calculated     122039398
BEDDUTIF Calculated      694696
BEDDUTIL Calculated     160491231
BEDDUTIU Calculated     122967103

  9 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

Select Installation Option: 6  Install Package(s)
Select INSTALL NAME:      BEDD*1.0*1      Loaded from Distribution      Loaded from
Distribution 7/15/13@12:15:44

```



```
=> BEDD*1.0*1 ;Created on Jul 12, 2013@15:47:07

This Distribution was loaded on Jul 15, 2013@12:15:44 with header of
BEDD*1.0*1 ;Created on Jul 12, 2013@15:47:07
It consisted of the following Install(s):
  BEDD*1.0*1
Checking Install for Package BEDD*1.0*1
Will first run the Environment Check Routine, BEDD1E1

Install Questions for BEDD*1.0*1

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//  VT
-----

Install Started for BEDD*1.0*1 :
      Jul 15, 2013@12:16:02

Build Distribution Date: Jul 12, 2013

Installing Routines:
      Jul 15, 2013@12:16:03

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY
      Jul 15, 2013@12:16:03

Updating Routine file...

Updating KIDS files...

BEDD*1.0*1 Installed.
      Jul 15, 2013@12:16:03

Not a VA primary domain

Install Completed
```

Figure 6-1: Sample BEDD KIDS Installation transcript

7.0 Add User Security Keys

This section covers entering the appropriate security key to RPMS users requiring access to the BEDD package.

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 7-1:

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, type **BEDDZDASH** and press Enter.
5. If the user also needs Manager access to this application, when the “Allocate Key” prompt re-appears after the previous step, type **BEDDZMGR** and press Enter.
6. At the “Holder of Key” prompt, type the name of the user 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 7-1: Key Management – Allocate Key(s)

8.0 Application Access Setup

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

- **Standalone.** Access via a direct web browser session which requires an active RPMS Access and Verify code to login.
- **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.

8.1 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**. The **Create Shortcut: Target** dialog (Figure 8-1) displays.

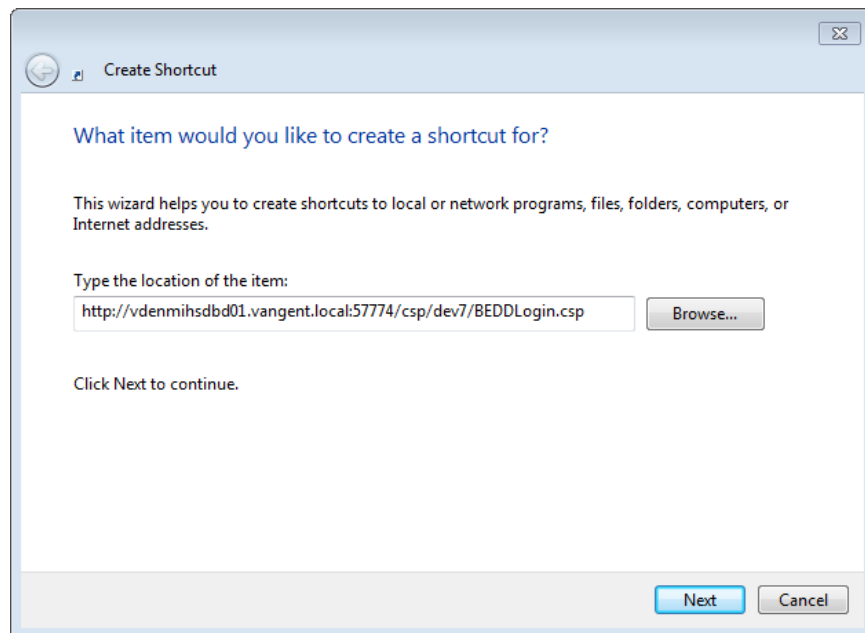


Figure 8-1: **Create Shortcut: Target** dialog

2. Type the following URL in the **Type the location of the item** field:
<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.

3. Click **Next**. The **Create Shortcut Name** dialog (Figure 8-2) displays.

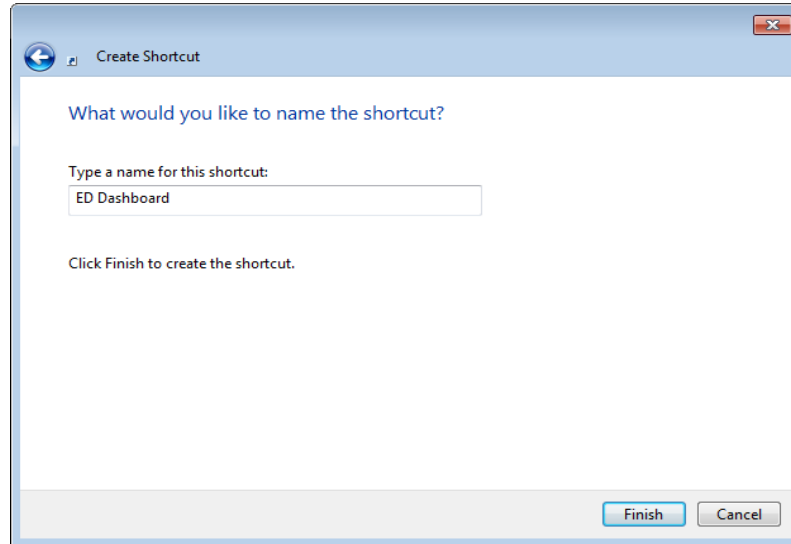


Figure 8-2: **Create Shortcut: Name** dialog

4. Type **ED Dashboard** in the **Type a name for this shortcut** field and click **Finish**.
5. To test the shortcut, double click the new icon. The ED Dashboard Login page (Figure 5-19) should display.

8.2 EHR Setup

To set up access to the EDD from the EHR:

1. Launch EHR and log on.
2. Right click anywhere in the title bar to display the context menu (Figure 8-3).

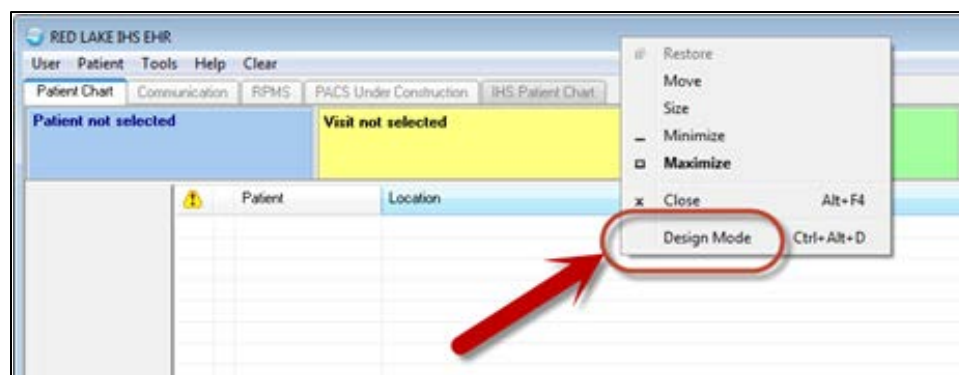


Figure 8-3: EHR page with context menu displayed

3. Select **Design Mode**. The page shifts to Design Mode and the Design menu appears on the Menu Bar (Figure 8-4).

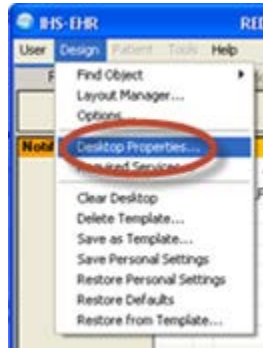


Figure 8-4: **Design** Menu

4. Select **Desktop Properties** from the **Design** menu. The **Properties for Desktop** dialog (Figure 8-5) displays.



Figure 8-5: **Properties for Desktop** dialog

5. Select **Customize Menus**.

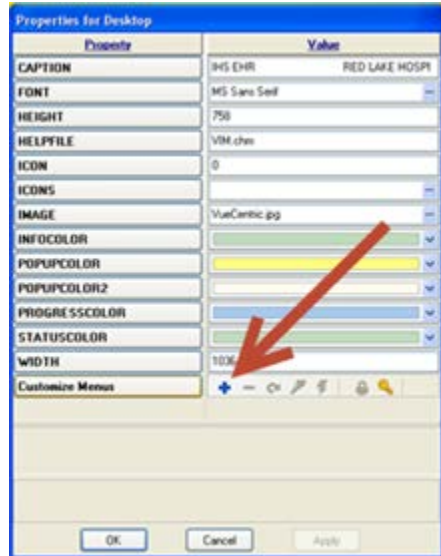


Figure 8-6: **Properties for Desktop** dialog with plus sign annotated

- In the **Value** column, click the plus sign (+) (Figure 8-6). The **Value** column is replaced by the **Menu Items** list (Figure 8-7).

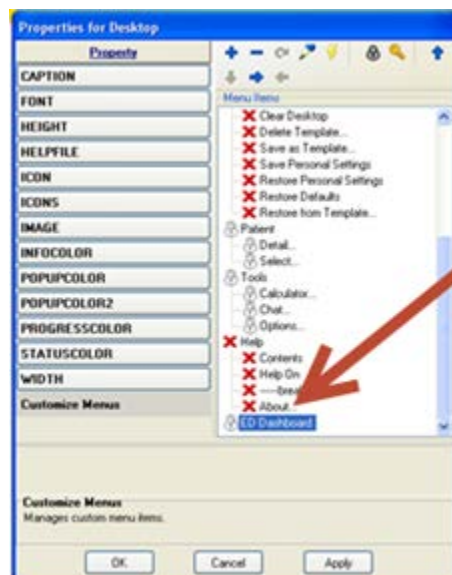


Figure 8-7: **Properties for Desktop** dialog with new item annotated

- Type the name of the new menu item. Click OK. The **ED Dashboard, Edit action** dialog (Figure 8-8) displays.



Figure 8-8: **ED Dashboard, Edit action** dialog

8. In the **Edit Action** field:

- a. Type the path to Internet Explorer.
- b. Type a space.
- c. Type the regular EHR URL

Example:

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

Replace **IPaddress** and **PORT** values with those appropriate for your site.

9. Click **OK**.

10. Save Settings.

11. Leave design mode by right clicking in the title bar and making the correct selection.

12. Click the new tab, **Emergency Department Dashboard** to display the dashboard (Figure 8-9).

Summary Table:

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			

Check-In

Waiting	Check-In	Patient (gender)	DOB (age)	Chart	Presenting	Clinic	Info	Actions	Reg
7897	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"/> Rm 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
8766	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 Page <input type="radio"/> Ot <input type="radio"/> Tr

Room Management

HULSLANDER, RYAN DEMO.IHS.GOV RED LAKE HOSPITAL

Figure 8-9: Emergency Department Dashboard

9.0 Configuration

Setup of the Emergency Room beds and other aspects of the EDD are covered in the IHS Emergency Department Dashboard Users Guide BEDD0100u.pdf

Acronym List

CSP	Cache Server Page
EDD	Emergency Department Dashboard
EHR	Electronic Health Record
ERS	Emergency Room System
IHS	Indian Health Service
IIS	Internet Information Services
KIDS	Kernel Installation and Distribution System
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).

Phone: (505) 248-4371 or (888) 830-7280 (toll free)

Fax: (505) 248-4363

Web: <http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm>

Email: support@ihs.gov