RESOURCE AND PATIENT MANAGEMENT SYSTEM

Patient Registration MPI Interface

(AG)

Ensemble 2012
Installation Guide and Release Notes

Version 7.2 Patch 01
March 2013

Office of Information Technology (OIT)
Division of Information Resource Management
Albuquerque, New Mexico

Document Revision History

Date of Change	Location of Revision	Revision
February 2013		First published

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Preface

The purpose of this document is to provide the user with information about the import, export, configuration, and functionality of the Patient Registration (AG) Master Patient Index (MPI) Interface package and Ensemble production. The AG MPI package allows for the transport of messages between the Master Patient Index (MPI) system and Resource and Patient Management System (RPMS). In the future, a portal for monitoring and managing the production will be included with the production.

Note:	This manual contains screenshots and instructions specific to Ensemble version 2012. Sites using Ensemble version 2009 or 2010 should use the *Installation Guide and Release Notes* (ag__0720.01i_ens.pdf) for screenshots and instructions specific to those Ensemble versions.

1.0 Introduction

For over a decade, hospitals and health centers of the Indian Health Service (IHS) and numerous Tribal health programs have used an information system called the Resource and Patient Management System (RPMS). The RPMS is a highly integrated system consisting of some 50 healthcare and administrative applications. Virtually all of these applications directly interact with one or more, and sometimes many, of the other RPMS applications.

The Patient Registration (AG) Master Patient Index (MPI) Interface sends data bi-directionally between the MPI and RPMS. The interface is used to send patient data from RPMS to the MPI for accuracy of patient records.

The Ensemble Interface Engine (EIE) provides transport of messages in the Health Level 7 (HL7) format between the RPMS system and the MPI system. If an error occurs in receiving a valid MPI or RPMS HL7 message, if there is a connection issue between EIE and either system, or if any other error occurs, an e-mail alert is sent from the EIE to the appropriate administrators.

2.0 Release Notes

The Patient Registration (AG) Master Patient Index (MPI) interface is used to send data bi-directionally between the MPI and the Resource and Patient Management System (RPMS) to ensure the accuracy of patient records.

The installation of the software is the first phase in sending data between the two systems. This version of the software implements the following functionality:

- An initial upload of all patients to the MPI
- Sending new patient registrations in real time
- Sending patient updates in real time
- Sending patient check-ins, admissions, checkouts and discharges in real time
- The MPI application was designed to be fully operational with the use of the Ensemble Integration Engine (EIE) for the transport of HL7 messages.

3.0 Installation Notes

Prefix AG

Current Version 7.2

Note: Read entire notes file prior to attempting any installation

3.1 General Information

- All patches to Version 7.2 will be cumulative.
- 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 you are 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.

3.2 Contents of Distribution

File	Distribution
ag__0720.01k	KIDS file
ag__0720.01.xml	Ensemble import file
ag__072.01i.pdf	Installation Guide and Release Notes (Ensemble 2009/2010)
ag__072.01o_ens2012.pdf	Installation Guide and Release Notes (Ensemble 2012)
ag__072.01t.pdf	Technical Manual
ag__072.01t_ens.pdf	Technical Manual (Ensemble)
ag__072.01u.pdf	User Manual
ag__072.02u_ens.pdf	User Manual (Ensemble 2009/2010)
ag__072.02u_ens2012.pdf	User Manual (Ensemble 2012)

3.3 Required Resources

- Kernel Version 8.0 Patch 1009 or higher
- FileMan Version 22 Patch 1003 or higher
- Ensemble Version 2009.1.6 or later
- XB/ZIB Utilities Version 3.0 Patch 11 or later
- HL7 Version 1.6 Patch 1006 or later
- AG Version 7.1 Patch 9
- AUT Version 98.1 Patch 20
- AVA Version 93.2 Patch 20
- BPM Patient Merge Version 1

> **Note**: The BPM Patient Merge package is restricted. Please contact the Office of Information Technology (OIT) Help Desk for more information.

- AUPN Version 99.1, Patch 18

4.0 AGMPI Import

This section begins the MPI installation process and describes the process of importing the AGMPI software into Ensemble Studio from an Extensible Markup Language (XML) file.

4.1 Create the AGMPI Namespace

A new namespace must be created in the Management Portal and named AGMPIxxx, where "xxx" is the production RPMS namespace.

For example, at the Santa Rosa Clinic, the namespace created in the Management Portal would be AGMPISRC. Depending upon the site, the namespace may be more than three letters. For example, the namespace created for Gallup Indian Medical Center would be AGMPIGIMC.

4.1.1 Create a New Namespace

1. Create a new folder for the new namespace.

   - On a Windows system, create a new folder in the Ensemble folder; this is frequently the **InterSystems\Ensemble** folder on the local drive. Name the new folder AGMPIxxx, where xxx is your production RPMS namespace.
   - On an AIX system, create a new directory named AGMPIxxx in the production database directory on the local drive.

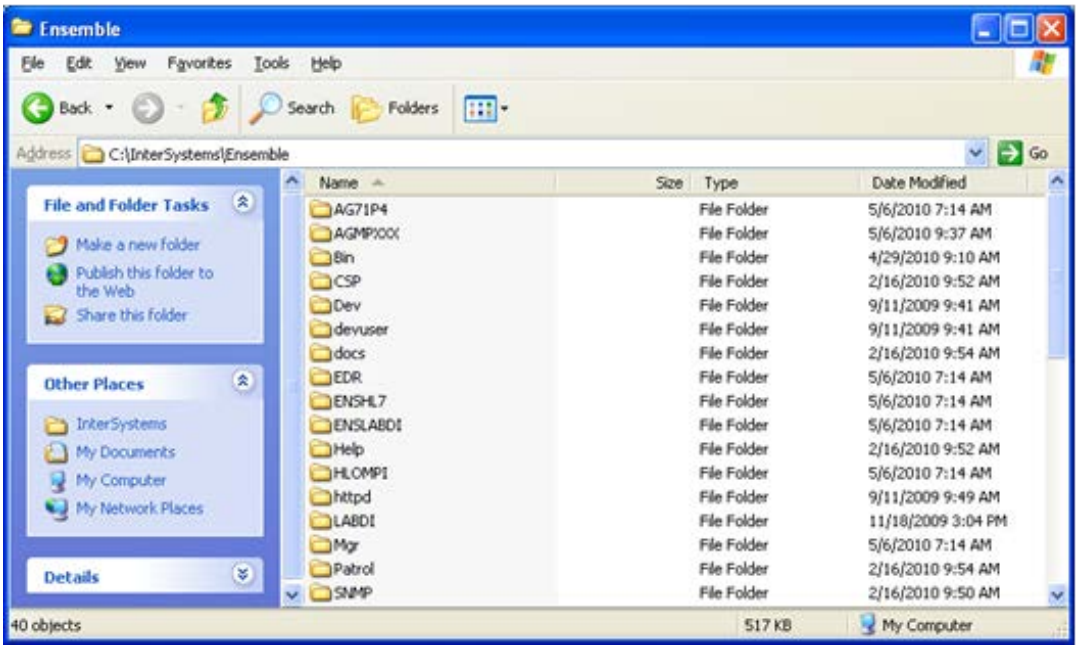

Figure 4-1: New folder creation

2. Click the Ensemble cube icon in the system tray, and then click **Management Portal** to open a browser window, as shown in Figure 4-2.

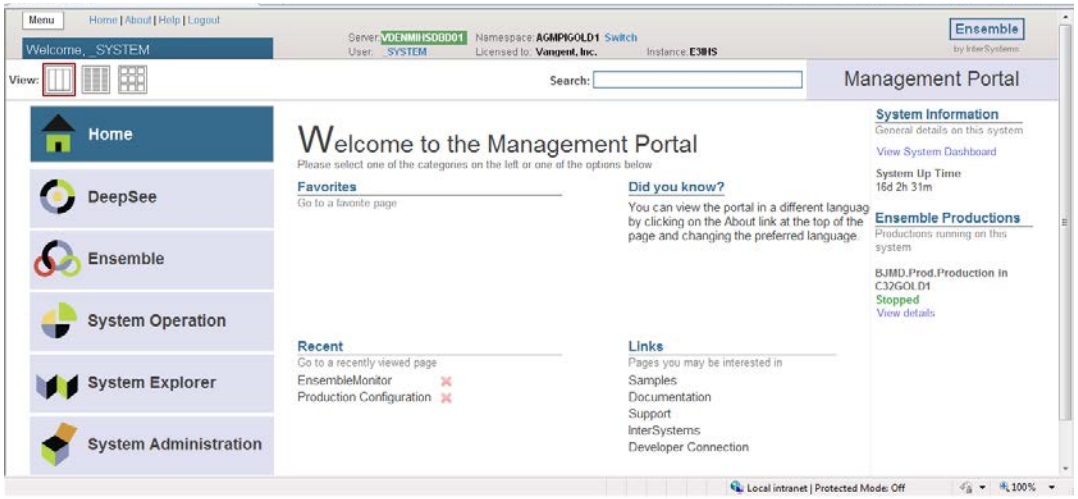

Figure 4-2: **Management Portal** page

3. Click on **System Administration** menu option, then click **Configuration**, then click **System Configuration** to open the **System Configuration** menu options, as shown in Figure 4-3.

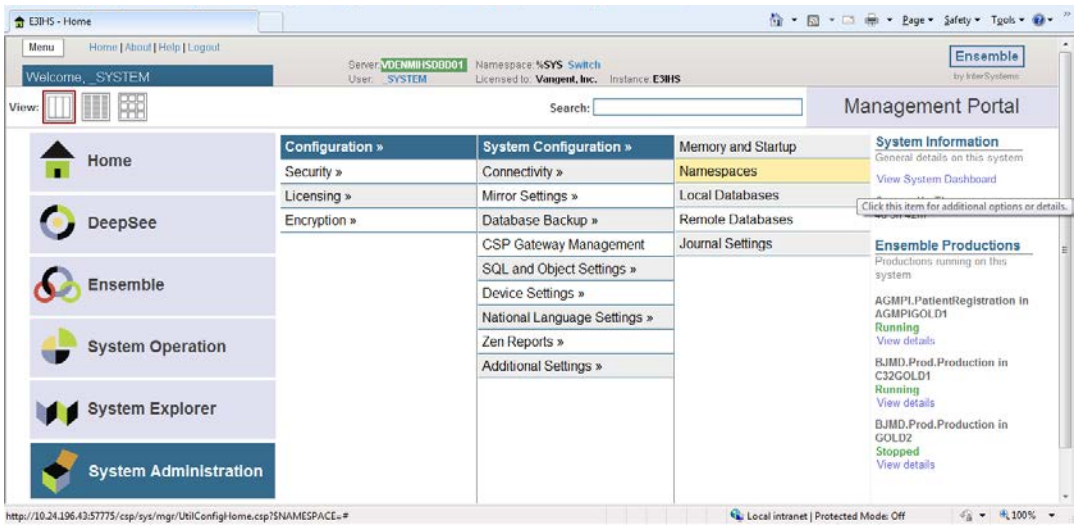

Figure 4-3: **System Configuration** page

4. From the **System Configuration** menu option, click **Namespaces** to open the **Namespaces** page, as shown in Figure 4-4.

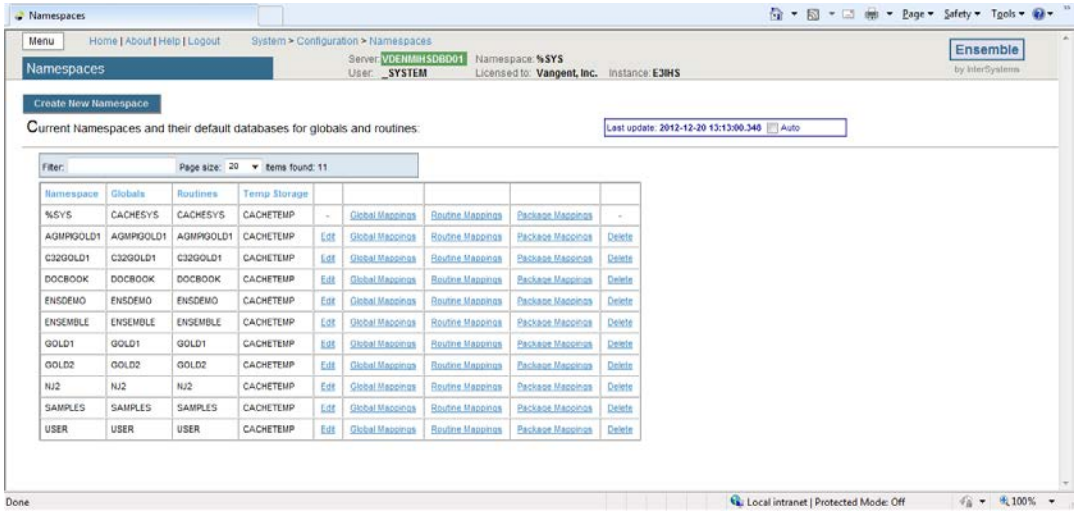

Figure 4-4: **Namespaces** page

5. Click **Create New Namespace** to open the **New Namespace** page, as shown in Figure 4-5.

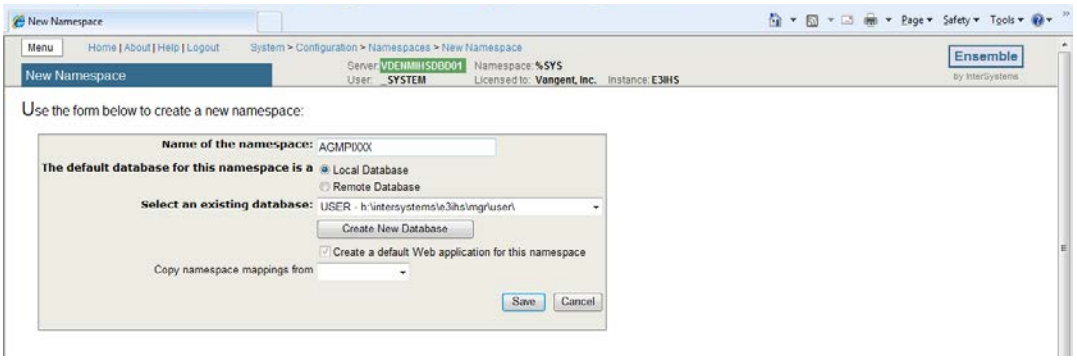

Figure 4-5: **New Namespace** page

6. In the **Name of the namespace** field, type **AGMPIxxx**, where xxx is the production namespace.

7. Click **Create New Database** to display the **Database Wizard** window, as shown in Figure 4-6.

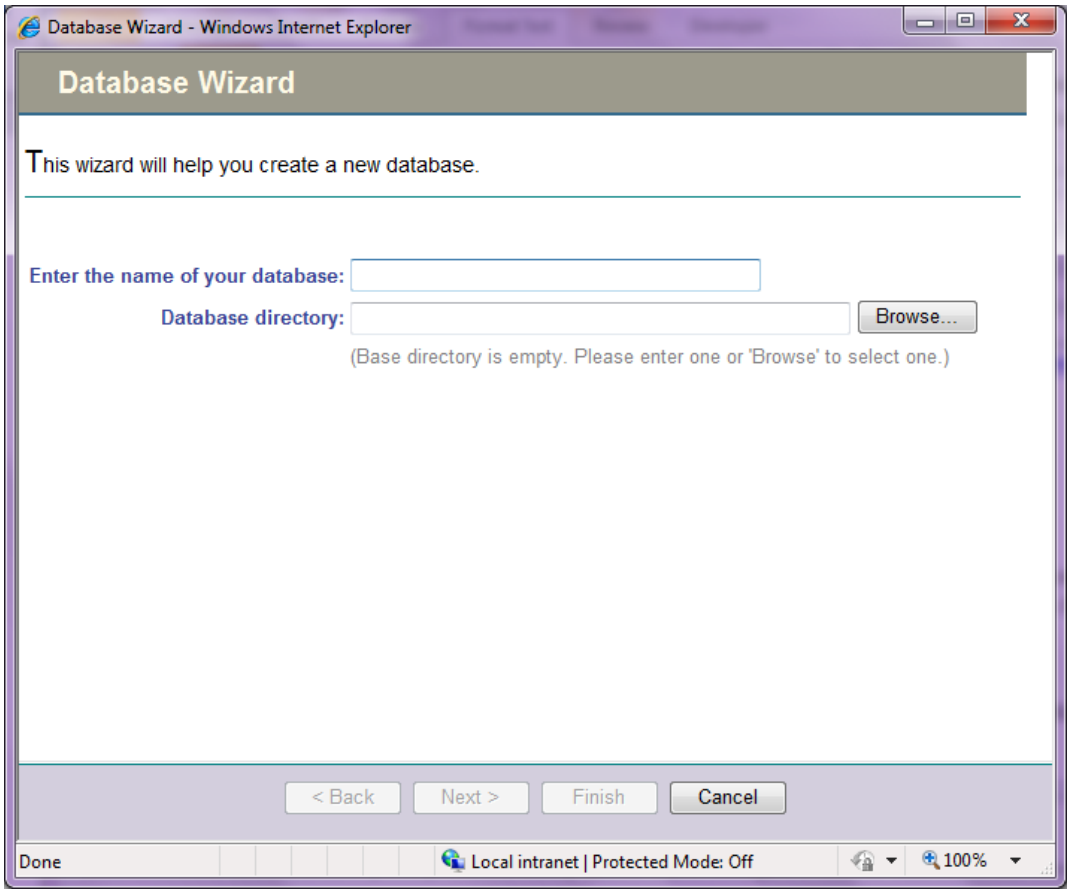

Figure 4-6: Creating a new database

8. In the **Name of the database** field, type **AGMPIxxx**, where xxx is the production namespace.

9. Click **Browse…** to open the **Select** window, as shown in Figure 4-7.

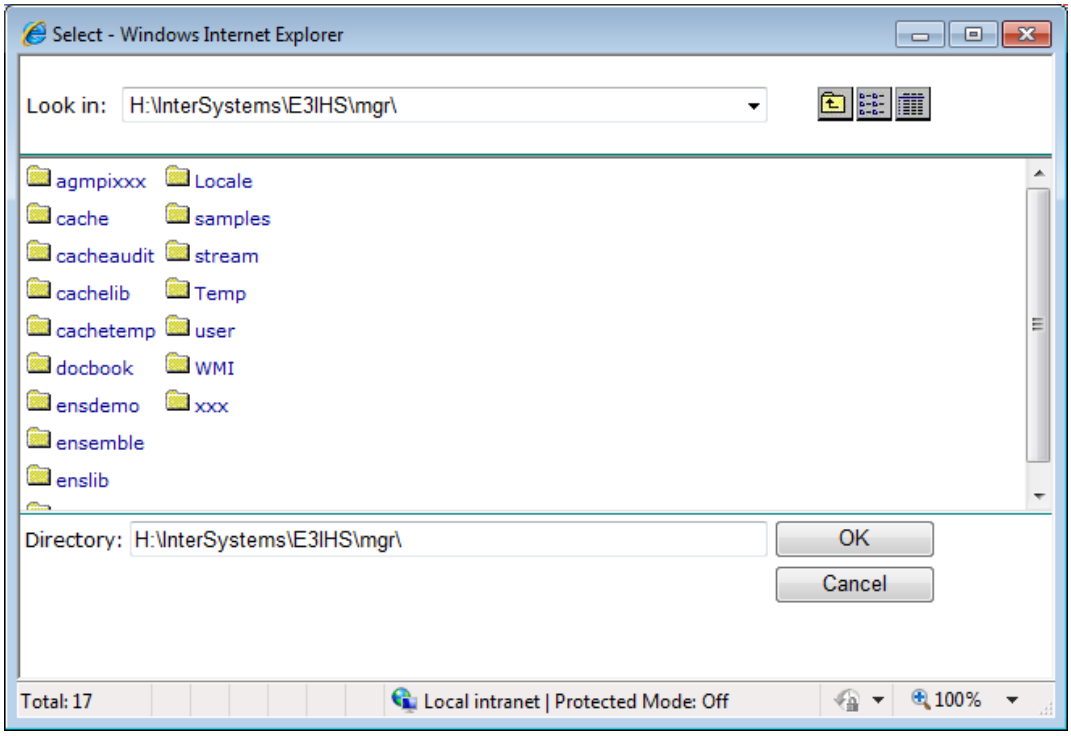

Figure 4-7: Selecting the correct database directory in the Select window

10. Navigate to the location of the AGMPIxxx folder and click **OK**.

11. Fill in the database name and directory, if necessary. Click **Next** to continue to the next page of the **Database Wizard**.

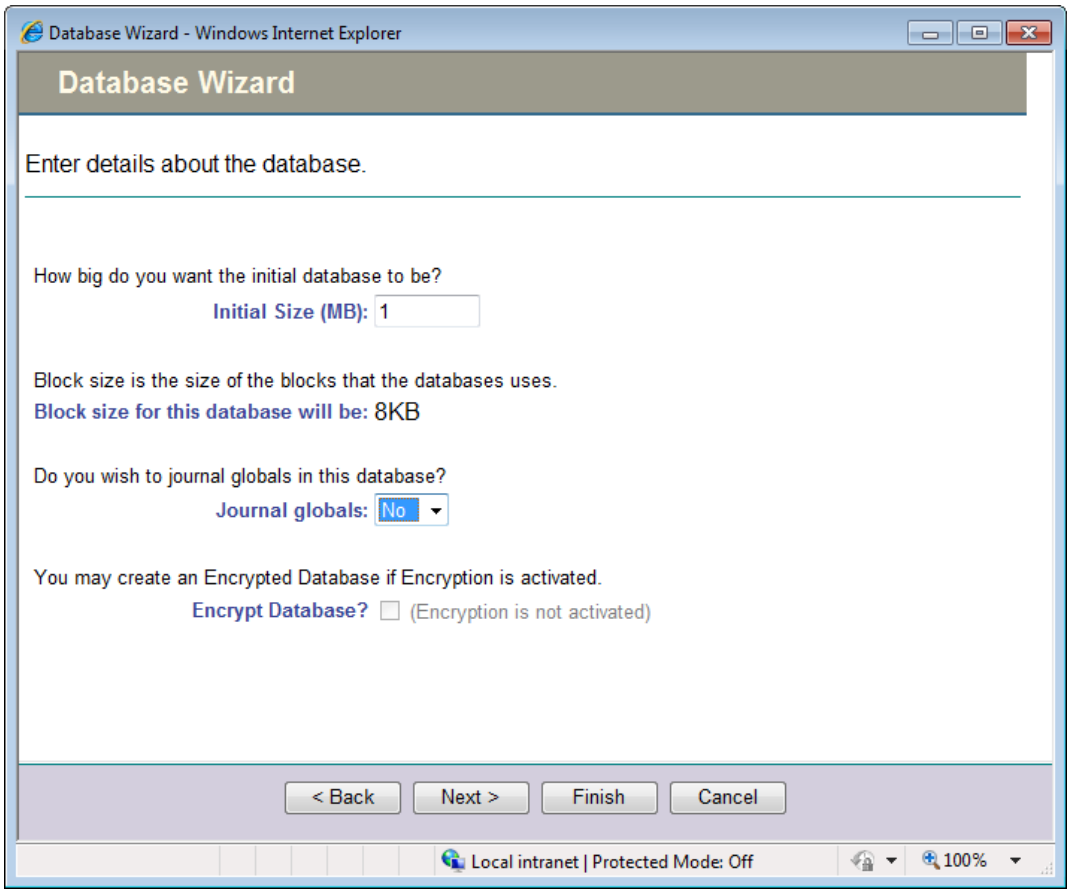

Figure 4-8: **Database Wizard**

12. In the **Journal globals** list, select **No**. Do not change any other default settings in the **Database Wizard**.

13. If your site's policies require encrypted databases and the option is available, make sure the **Encrypt Database** box is selected. Otherwise, leave the box cleared.

14. Click **Finish** to create the namespace database and open the **New Namespace** page, as shown in Figure 4-9.

    The other steps in the **Database Wizard** are not used because the default settings are correct.

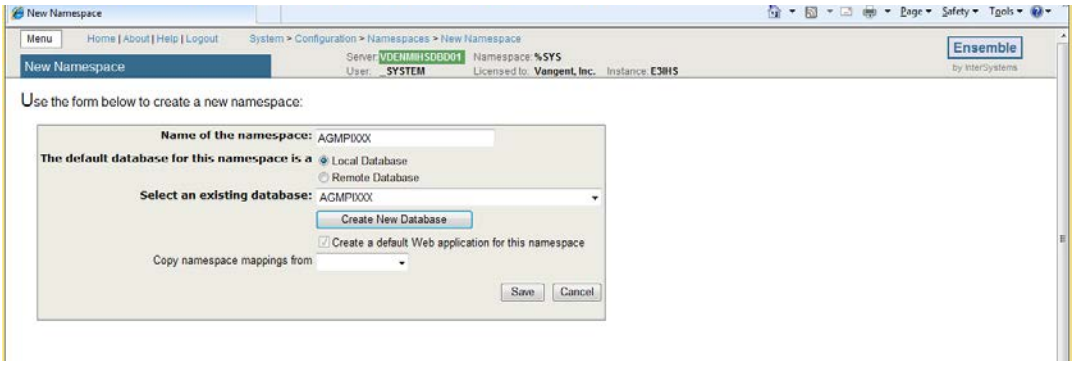

Figure 4-9: AGMPIxxx database

15. Click **Save** to display the **Namespaces** page, as shown in Figure 4-10.

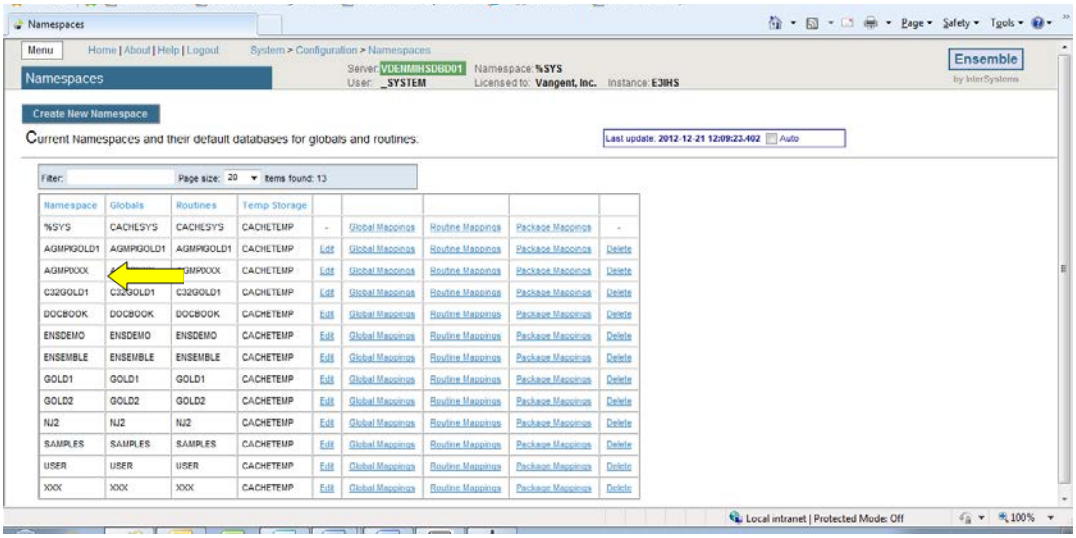

Figure 4-10: Newly created AGMPIxxx namespace in the **Namespaces** page

16. Confirm that the new AGMPIxxx namespace is in the list of current namespaces.

4.1.2 Map a New Global

1. On the **Namespaces** page, click **Global Mappings** in the AGMPIxxx namespace row to display the **Global Mappings** page, as shown in Figure 4-11.

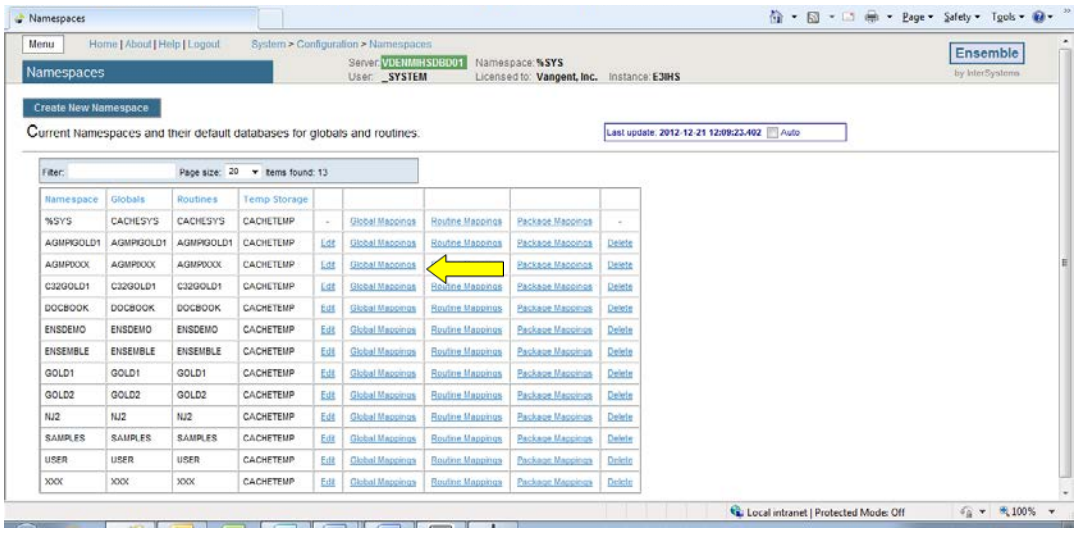

Figure 4-11: Select **Global Mappings**

2. On the **Global Mappings** page, click **New Global Mapping** to display the **Global Mapping** dialog box, as shown in Figure 4-12.

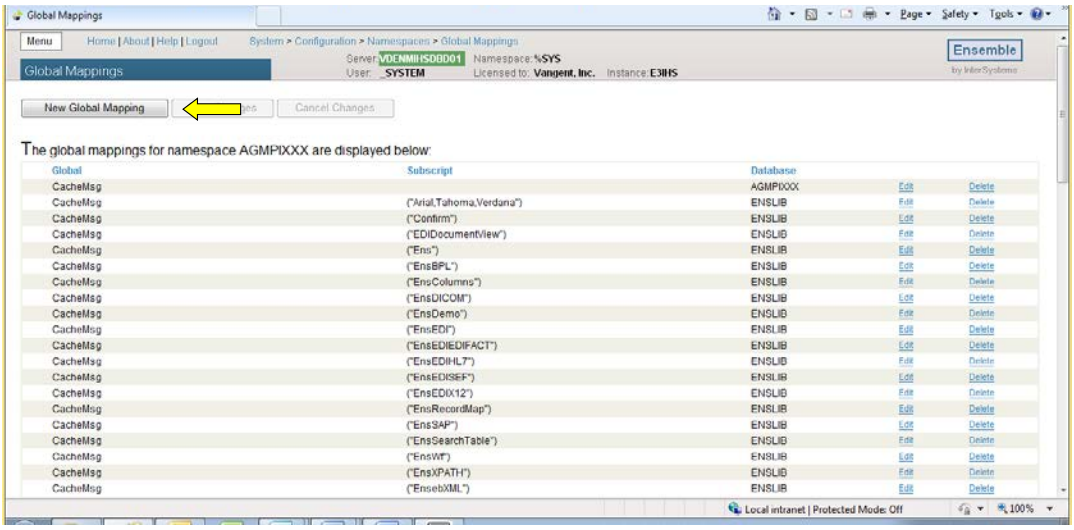

Figure 4-12: Creating a new global mapping on the **Global Mappings** page

3. In the **Global Mapping** dialog box, choose the production namespace for your site in the drop-down menu for the **Global database location** field. In the example below, it is XXX.

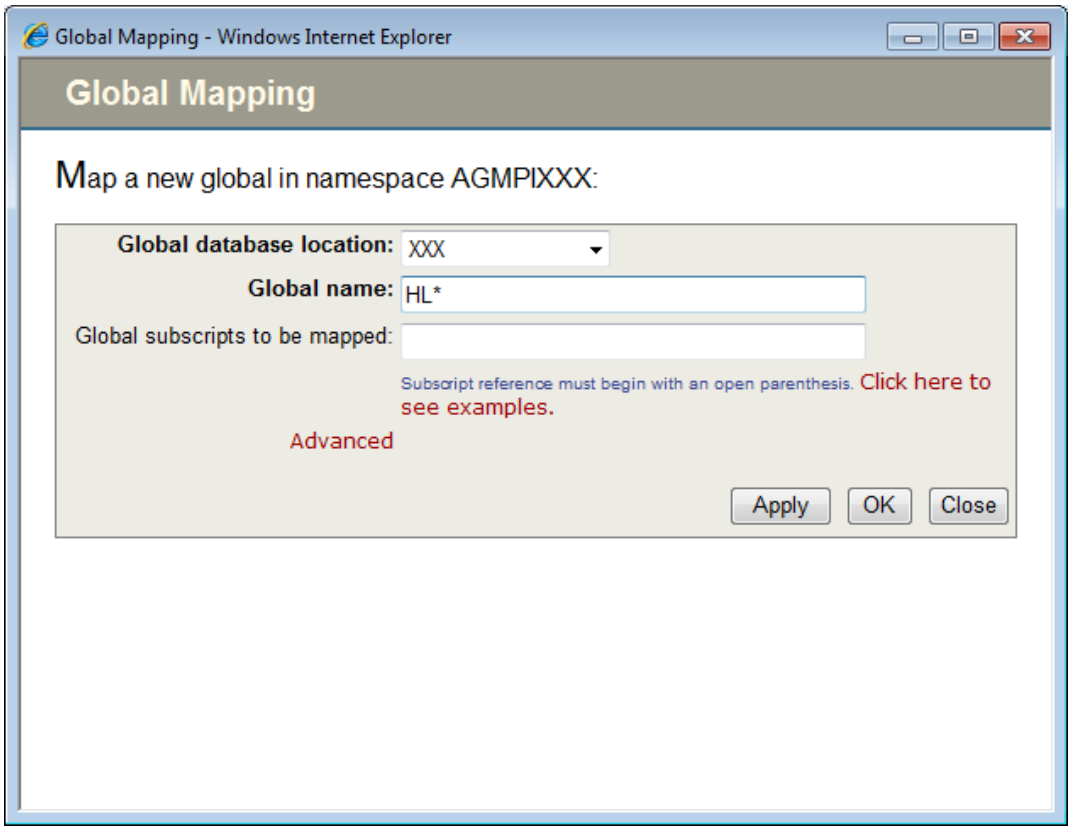

Figure 4-13: Mapping a new global in the **Global Mapping** dialog box

4. In the **Global name** field, type **HL***.
5. Click **Apply**, and then click **Close** to return to the **Global Mappings** page.
6. Verify that the HL* global mapping was added correctly to the list and click **Save Changes**.

4.1.3 Associate the New Database with the Production Database Resource

1. From the **System Administration Menu**, click **Configuration**, then click **System Configuration**, then click **Local Databases**, as shown in Figure 4-14.

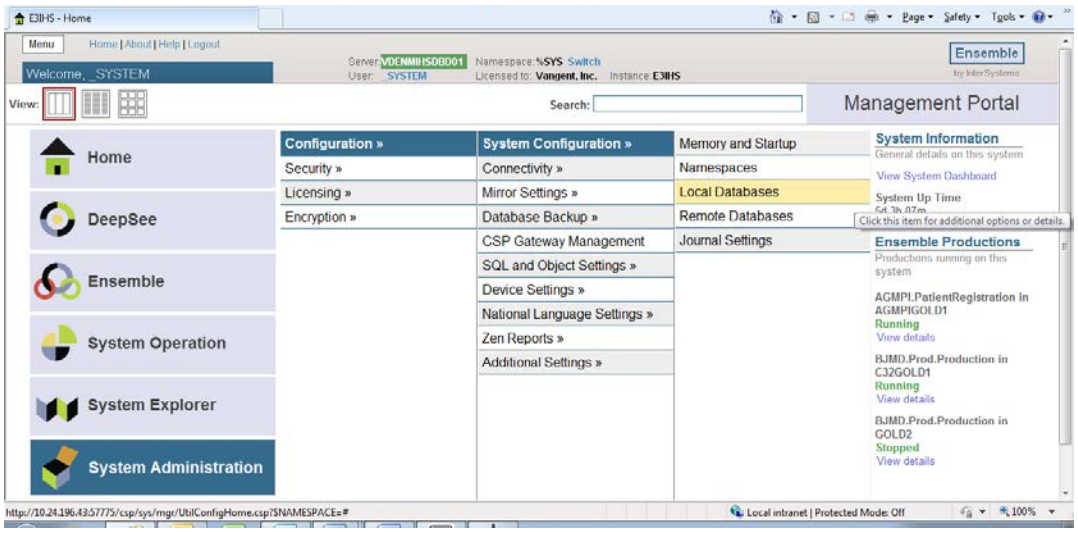

Figure 4-14: **Configuration** page with **Local Databases** link highlighted

2. On the **Local Databases** page, locate the production RPMS database in the list and make a note of the resource associated with the database, as shown in Figure 4-15.

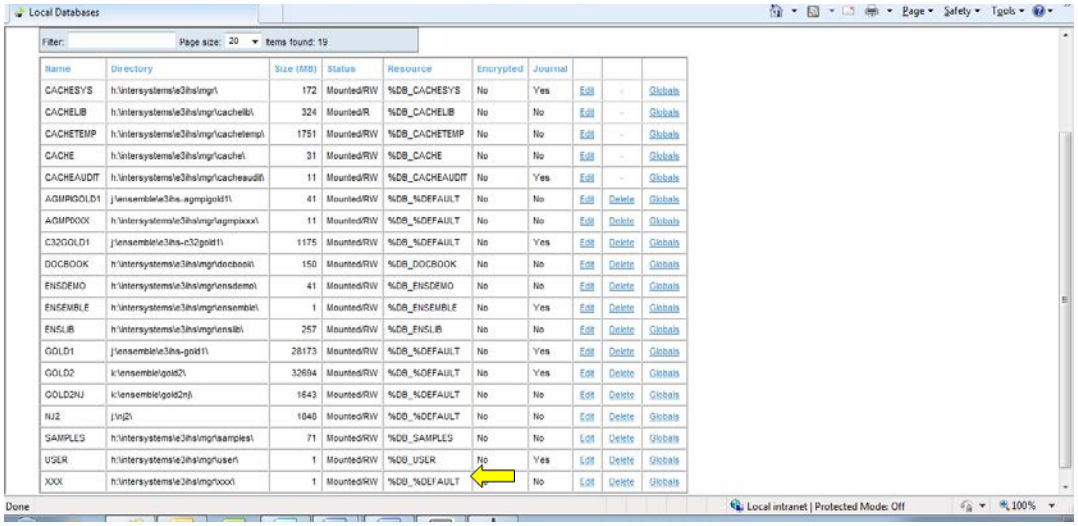

Figure 4-15: Finding the RPMS database resource

3. On the **Local Databases** page, locate the AGMPIxxx database in the list and click **Edit** to open the **Database Properties** page, as shown in Figure 4-16.

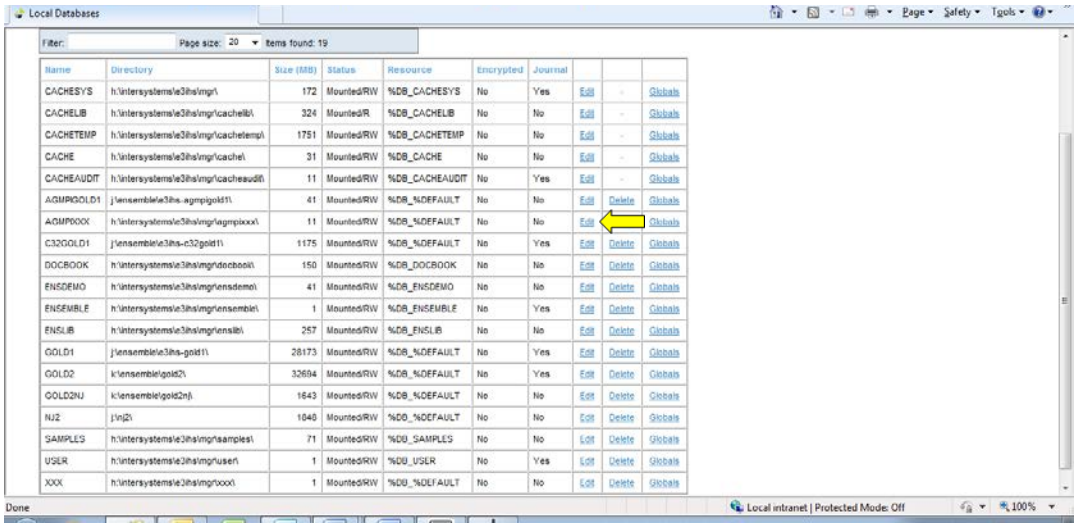

Figure 4-16: Editing the AGMPIxxx database from the **Local Databases** page

4. On the **Database Properties** page, select the resource name that was assigned to your production RPMS database from the **Resource Name** list.

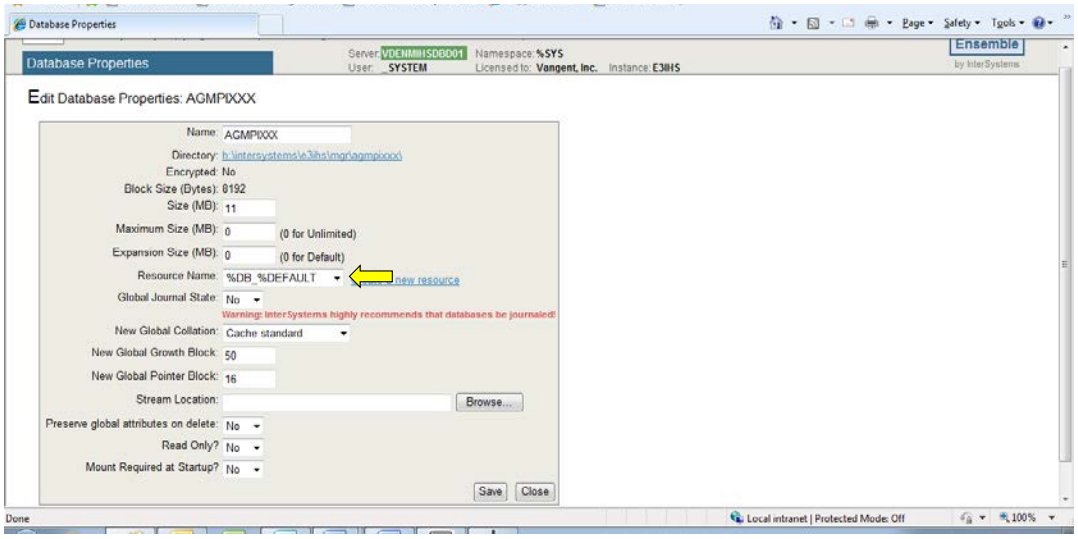

Figure 4-17: Selecting your site's assigned resource name in the **Resource Name** list

5. Click **Save**.

6. Click **Home** to return to the main **Management Portal** page, or log out to end your Ensemble session.

4.2 Import the AGMPI XML File

4.2.1 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 4-18. A login ID and password may be required.

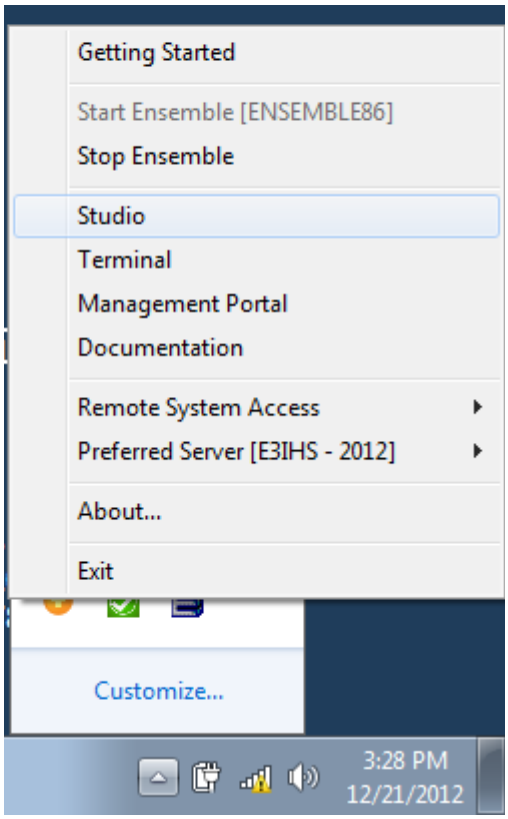

Figure 4-18: Opening **Studio**

The **Ensemble Studio** window is displayed, as shown in Figure 4-19.

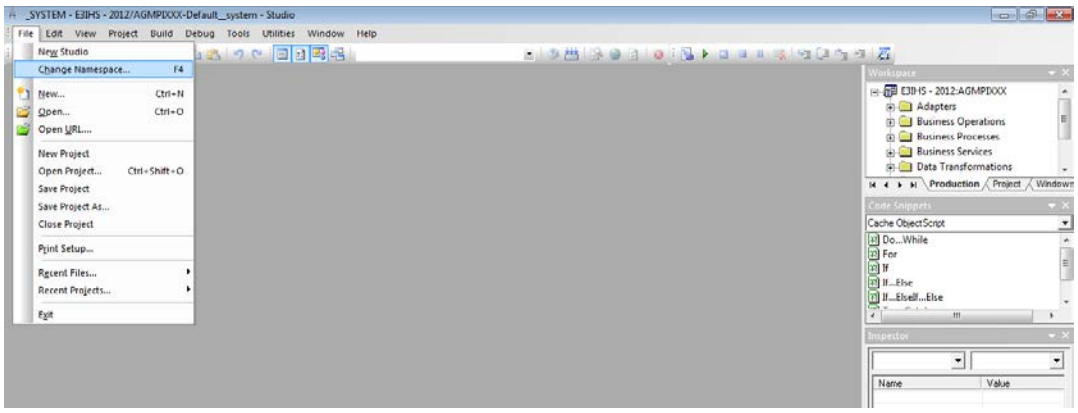

Figure 4-19: **Change Namespace** menu option

2. On the **File** menu, click **Change Namespace** to open the **Cache Connection Manager** dialog box.

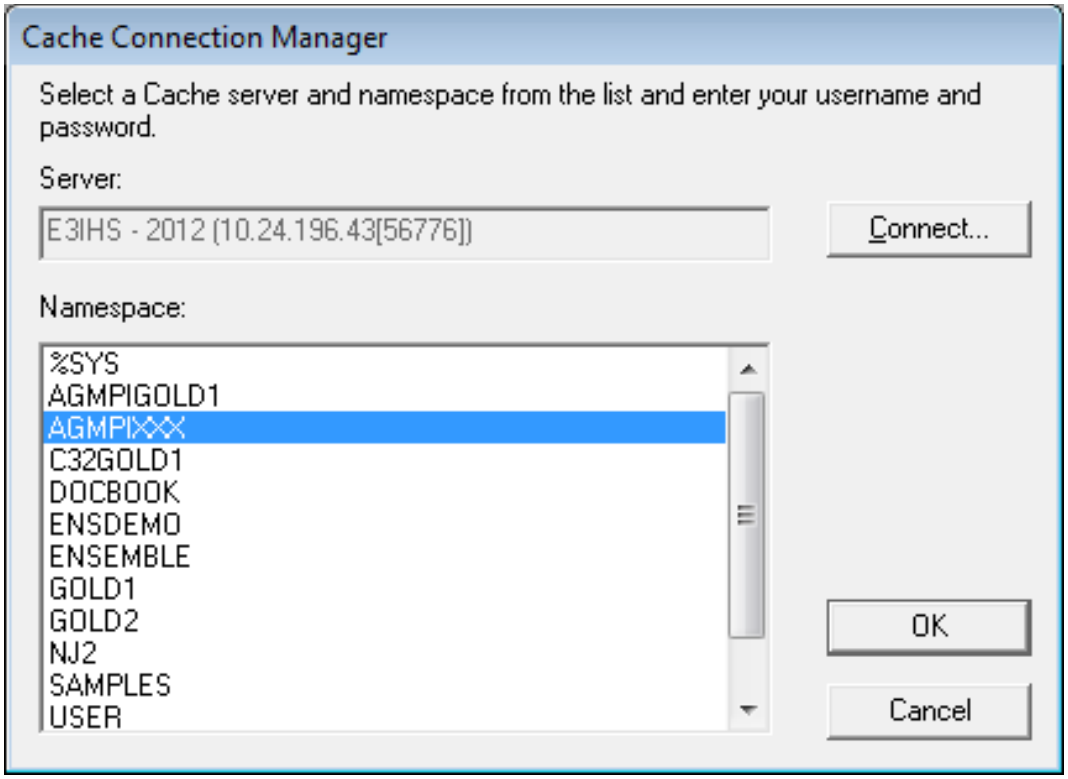

Figure 4-20: Selecting the **AGMPIxxx** namespace

3. In the **Namespace** list, click **AGMPIxxx** and click **OK**.

4.2.2 Import the AGMPI XML File

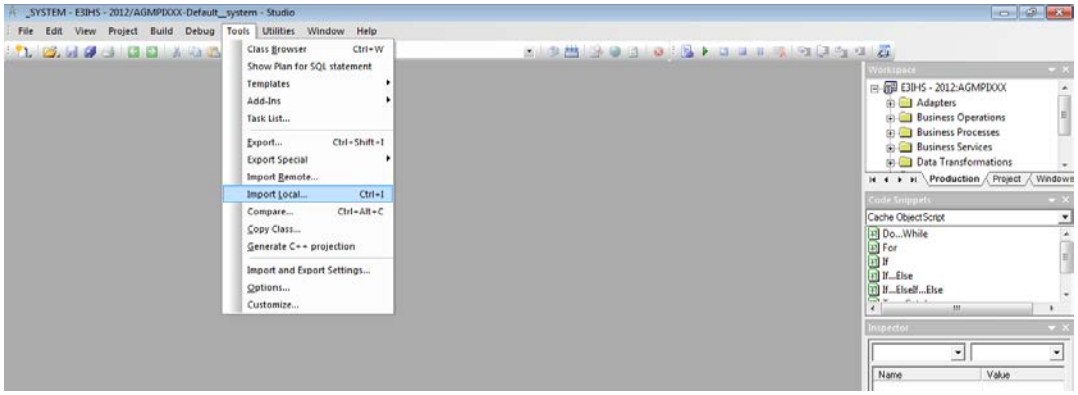

Figure 4-21: **Import Local** menu option

1. On the **Tools** menu, click **Import Local** to display the **Open** dialog box.

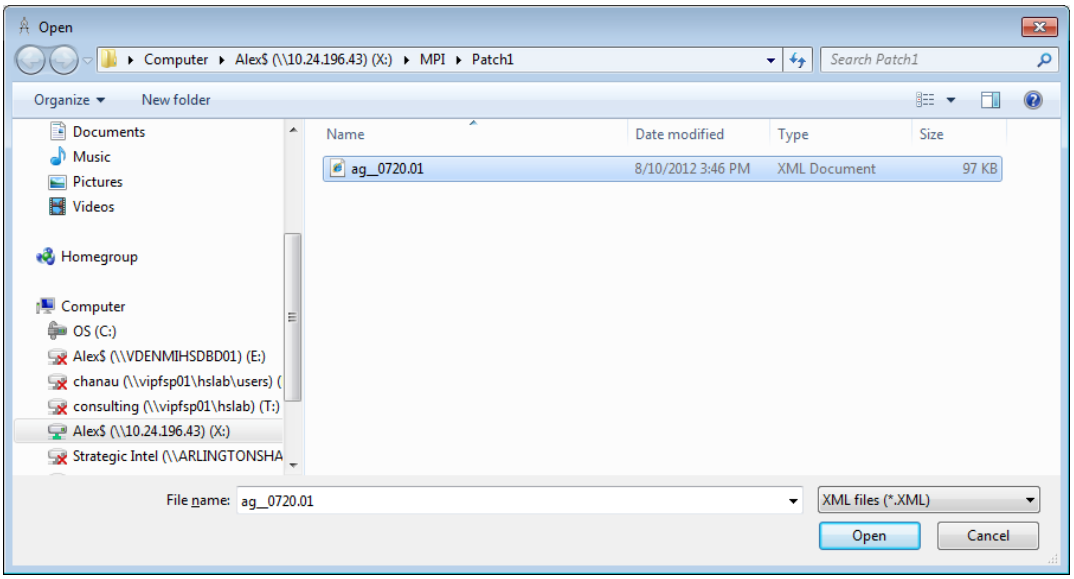

Figure 4-22: Open the ag__0720.01.xml file

2. Select **ag__0720.01.xml** and click **Open** to display the **Import** dialog box, as shown in Figure 4-23.

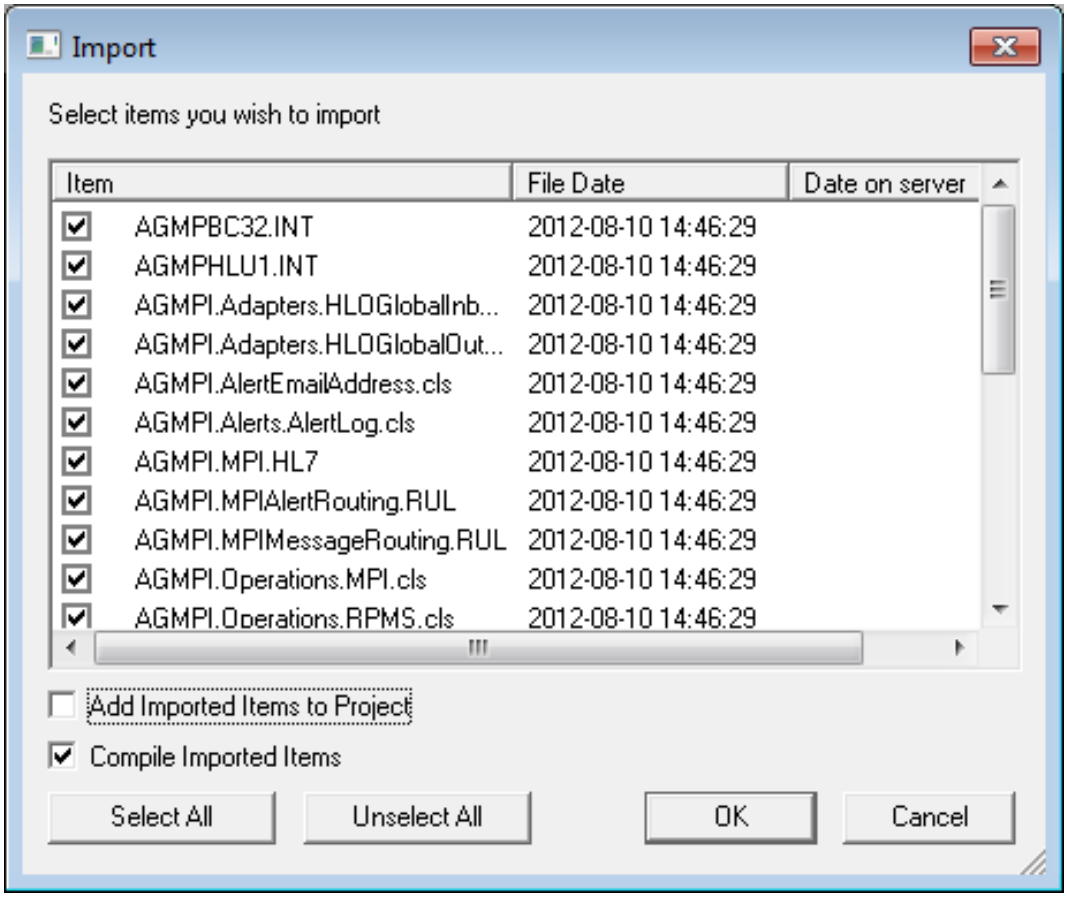

Figure 4-23: **Import** dialog box

3. In the **Import** dialog box, all items in the list must be selected, the **Add Imported Items to Project** option must be unselected, and the **Compile Imported Items** option must be selected.

4. Click **OK.** After the system compiles the AGMPI files, the "Compilation finished successfully in…" message appears in the **Output** pane. If MPI patch 1 (AG*7.2*1) is installed in Ensemble version 2012, you may receive an ErrInvalidToken compilation error in class AGMPI.RPMSMessageRouting, as shown in Figure 4-24. The error may be ignored, but you must immediately install MPI patch 2 (AG*7.2*2), which is the Ensemble 2012-compatible version of MPI. Any other errors should not be ignored and should be resolved before continuing with the installation.

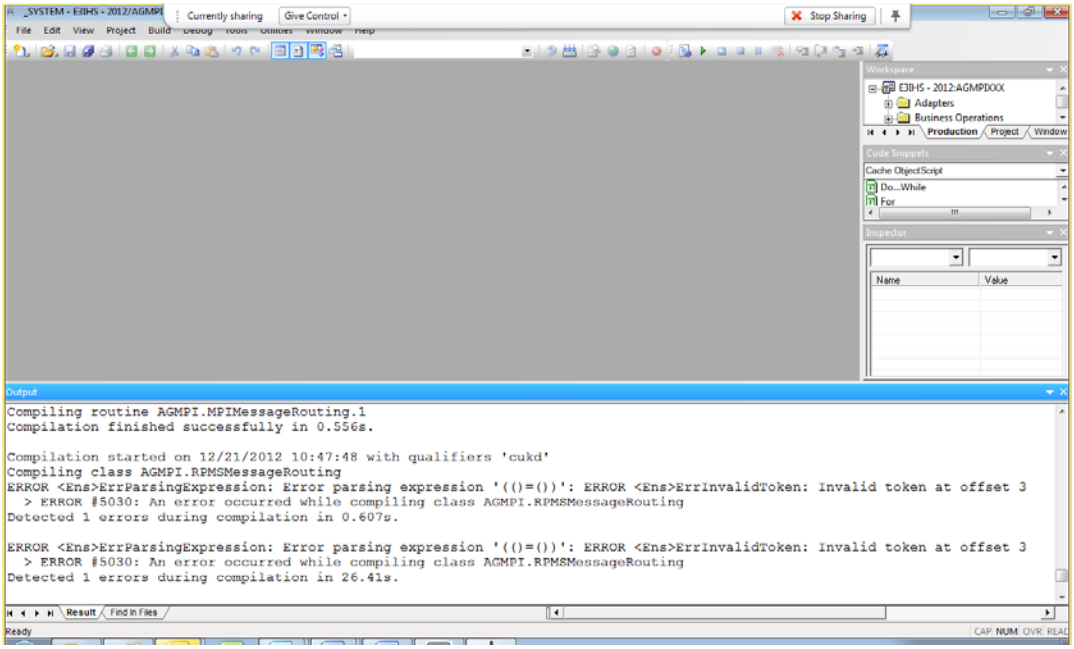

Figure 4-24: Message in **Output** pane

5. A warning dialog box may be displayed after the XML file has been imported. Click **OK** to continue.

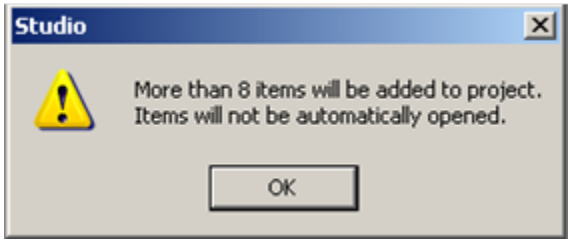

Figure 4.25: **Studio** warning dialog box

5.0 AGMPI Configuration

When the production is installed, the settings listed in Table 5-1 *must* be configured before the production can be run correctly.

> **Note:** The settings listed in Table 5-1 are the only settings that should be changed. *All other settings are configured correctly and should not be changed.*

Table 5-1: Settings That Must Be Configured before AGMPI Can Be Run

Business Host	Host Type	Setting	See Section:
RPMSInbound	Business service	ReceivingFacilityName	5.4
RPMSInbound	Business service	MaxNmbrMsgs	5.4
RPMSInbound	Business service	Throttle	5.4
RPMSInbound	Business service	IP Address	5.4
MPIInbound	Business service	Port	5.5
RPMSOutbound	Business operation	SiteID	5.9
RPMSOutbound	Business operation	LLink	5.9
BadMessages	Business operation	FilePath	5.11
MPIOutbound	Business operation	IPAddress	5.10
MPIOutbound	Business operation	Port	5.10

5.1 Opening Ensemble's Management Portal

1. Click **Management Portal** on the **Ensemble cube** menu located in the system tray.

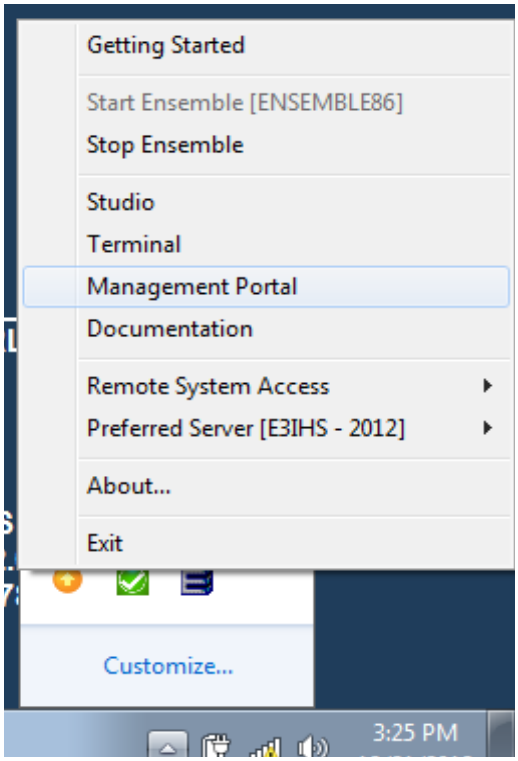

Figure 5-1: **Management Portal** option

2. On the **Management Portal** page, click on **Ensemble** option**.**

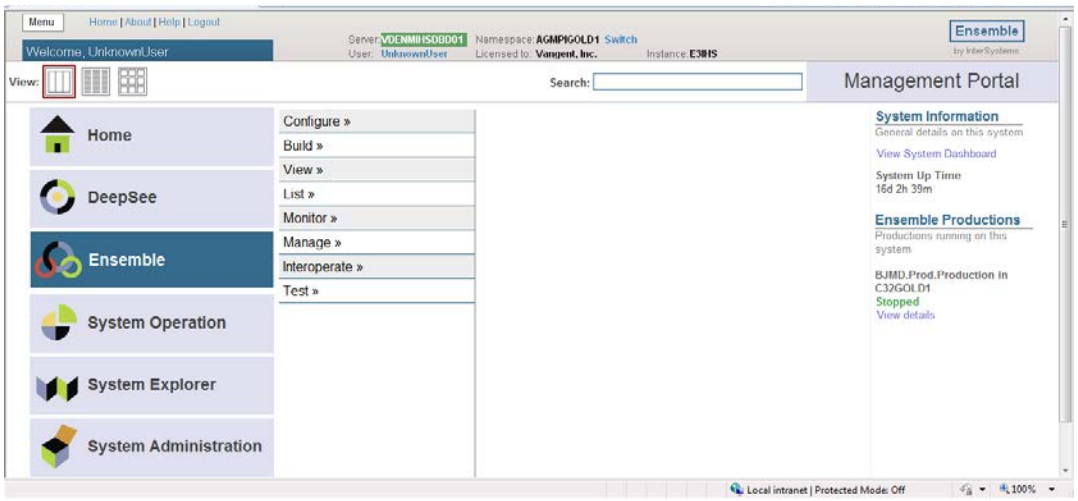

Figure 5-2: **Management Portal** page

5.2 Opening the AGMPIxxx Production's Configuration Pages

The production's configuration pages are opened from the **Management Portal** home page, by clicking **Configuration** and then clicking on **Production**, as shown in Figure 5-3.

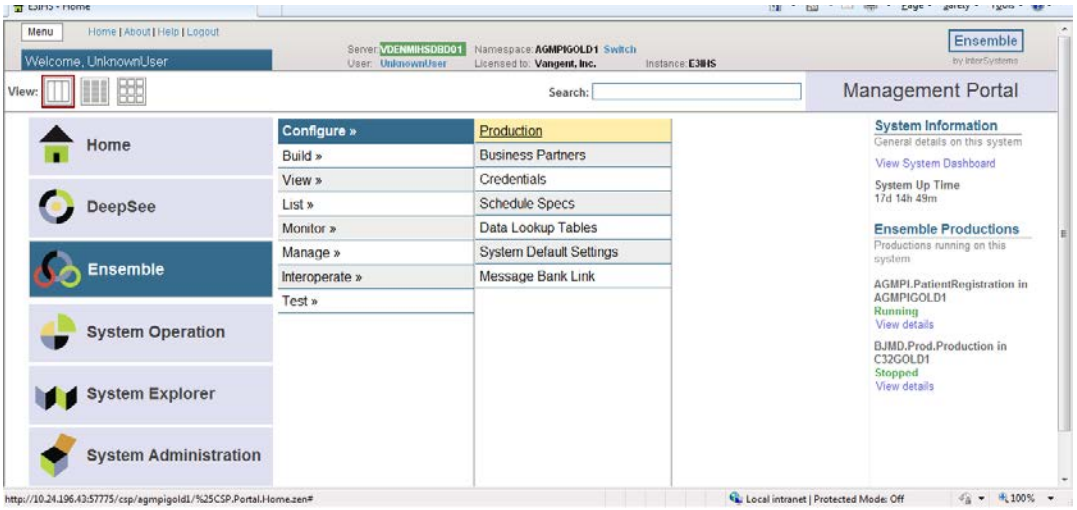

Figure 5-3: **Production Configuration** page

1. To select the AGMPIxxx namespace, click the **Switch** link which appears at the top of the display area, as shown in Figure 5-4.

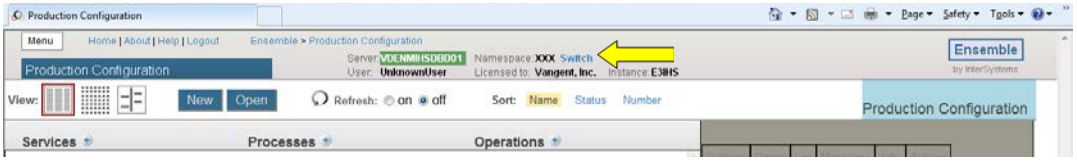

Figure 5-4: **Switch** link

2. In the **Namespace Chooser** box, select **AGMIxxx.** Click **OK** to select the namespace. The namespace displayed on the **Production Configuration page** will be updated to reflect the selection.

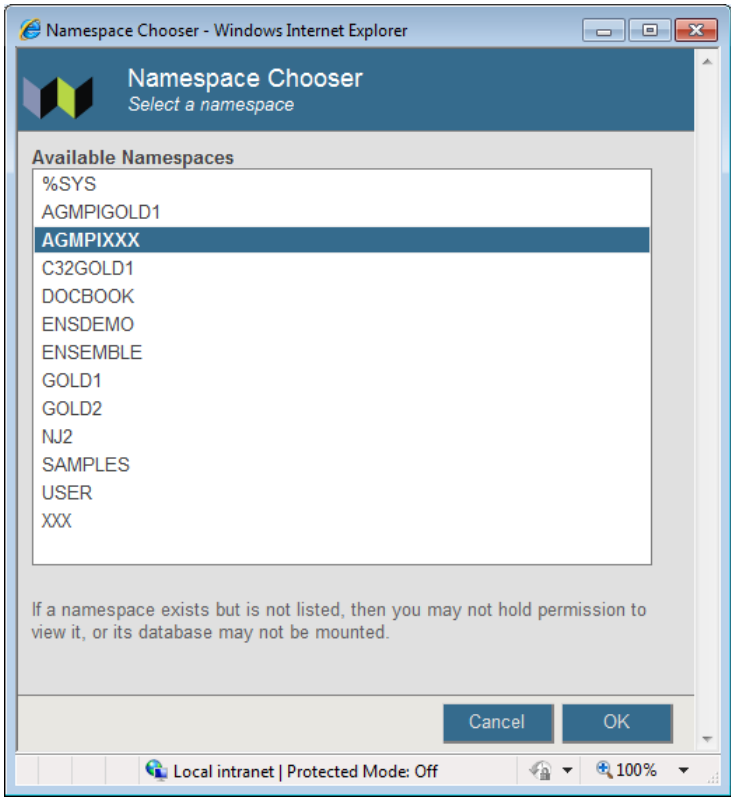

Figure 5-5: **Namespace Chooser** page

3. The **Production Configuration** page for the selected namespace is displayed, as shown in Figure 5-6.

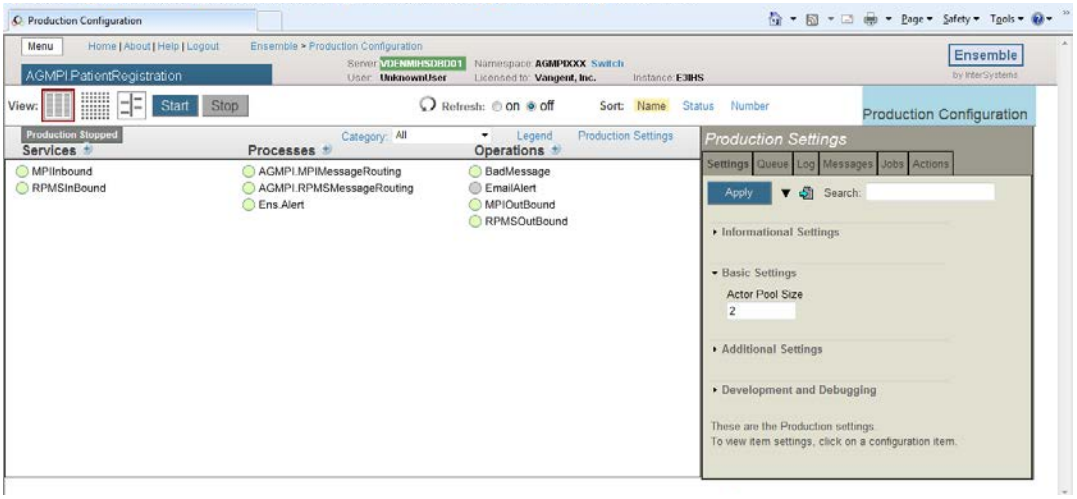

Figure 5-6: AGMPI.PatientRegistration production instance

4. If this is the first time the production is opened in the current namespace, the ribbon bar of the page appears as shown in Figure 5-7.

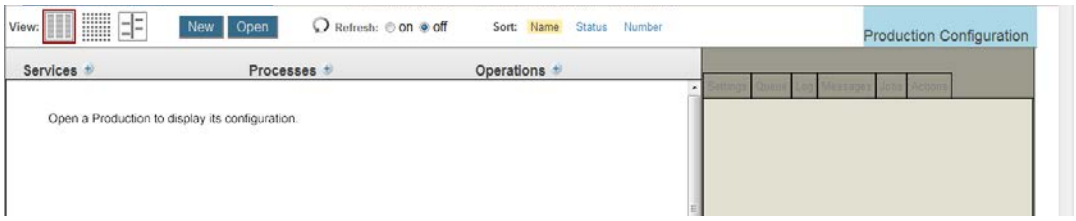

Figure 5-7: Open Production to display

5. Click **Open** to choose a production to configure from the existing productions defined in this namespace using the Finder Dialog.

6. Once you open a production, and on subsequent visits to the page, the page displays the configuration for that production, as shown in Figure 5-6.

> **Note**: Complete the configuration *before* starting the production instance.
>
> Do *not* start the production until OIT has *approved* startup of the production.

7. If this is the first time an Ensemble production has been run on this system, the message shown in Figure 5-8 may be displayed. If this message is not displayed, skip to Step 9.

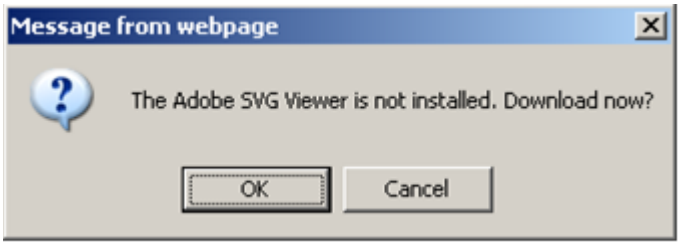

Figure 5-8: **Message from webpage** dialog box

   a. Click **OK** to continue.

   b. The download link is displayed in the top pane of the **Ensemble Configuration** page. Click the link and follow the installation instructions for the Adobe SVG Viewer.

   c. If the JavaScript exception error shown in Figure 5-9 is displayed after the message to install the Adobe SVG Viewer, click **OK**. If you do not receive the error, skip to Step 9.

Figure 5-9: JavaScript error

8. If you are using Internet Explorer 9 and receive the JavaScript error shown in Figure 5-9, you must change a security setting in Internet Explorer and download an SVG viewer plugin from Adobe.

   a. In Internet Explorer, click the Gear icon to expand the menu, as shown in Figure 5-10.

Figure 5-10: Gear menu in Internet Explorer 9

   b. Hover over the Safety menu option to expand the **Safety** submenu, as shown in Figure 5-11.

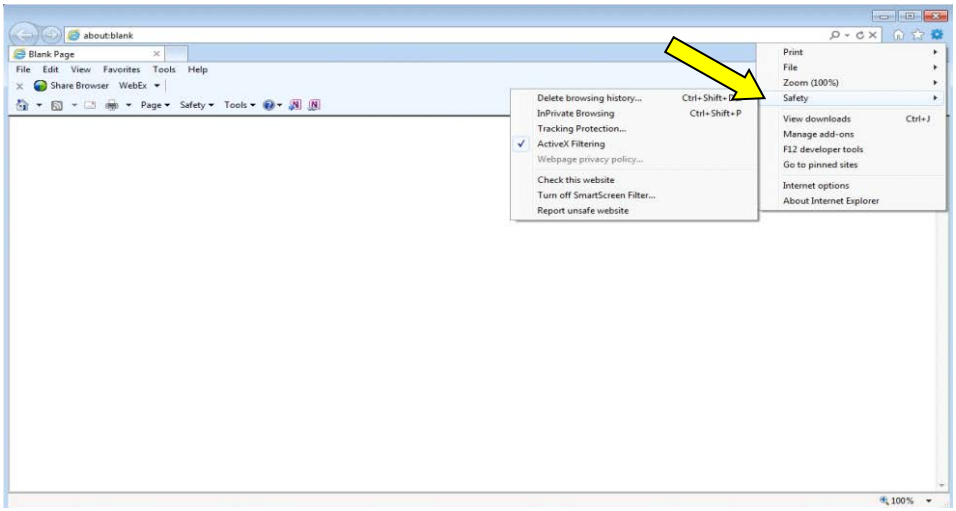

Figure 5-11: **Safety** sub-menu in Internet Explorer 9

c. Clear the setting for **ActiveX Filtering**, as shown in Figure 5-12.

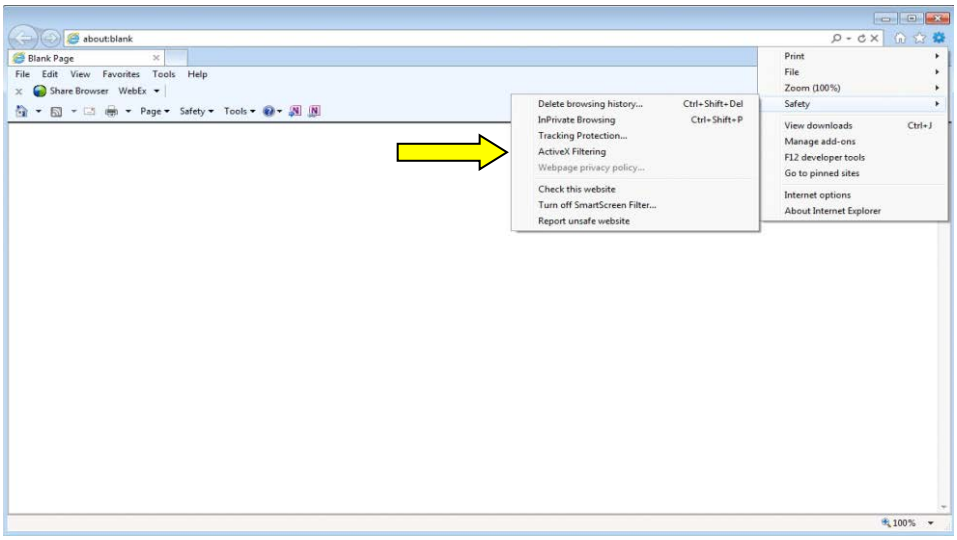

Figure 5-12: Clearing **ActiveX Filtering** in Internet Explorer 9

d. Download and install the latest version of the Adobe SVG Viewer, which is available at http://www.adobe.com/svg/viewer/install/. For more information about the viewer or for help installing the viewer, consult the Adobe website.

9. The **Production Configuration** page displays a graphic representation of the production instance, as shown in Figure 5-13. The actual production instance may look slightly different from the example shown in Figure 5-13.

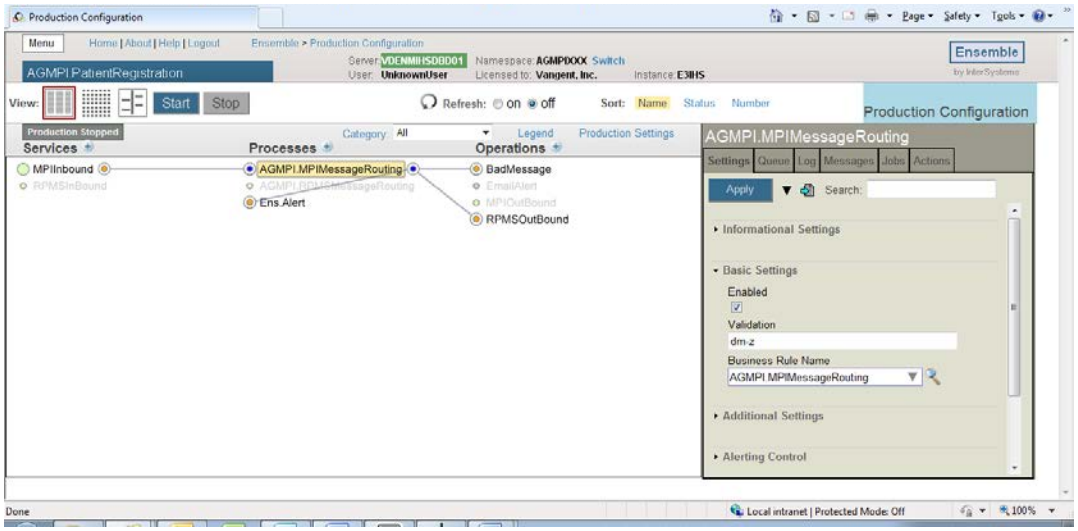

Figure 5-13: Graphic representation of the production instance on the **Production Configuration** page

5.2.1 The Production Configuration Page

The **Production Configuration** page allows operational settings to be configured for an Ensemble production in the active namespace. To access the **Production Configuration** page in the **Management Portal**, click **Ensemble**, then click **Configure**, and then click **Production**, as shown in Figure 5-14.

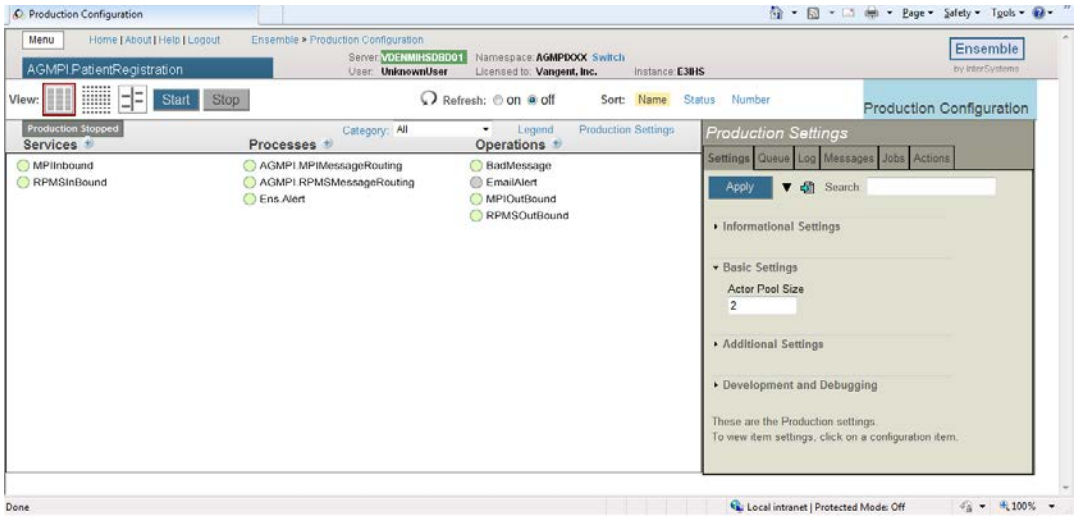

Figure 5-14**: Production Configurations** page for AGMPI.PatientRegistration production

Configuration changes can be applied immediately, even when the production is running, by editing the production settings on the **Configuration Management** page.

Click an item in the top pane to display the configuration settings for that item in the bottom pane.

For example, to display the configuration settings for RPMSInBound, click the **RPMSInBound** item located in the **Services** column (Figure 5-15).

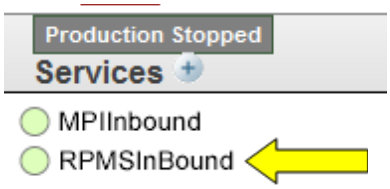

Figure 5-15: **RPMSInBound** item

5.2.1.1 Changing Configuration Settings

A new value can be entered in any field on the **Configuration** page. Figure 5-16 shows where a new value can be entered in the **SiteID** field.

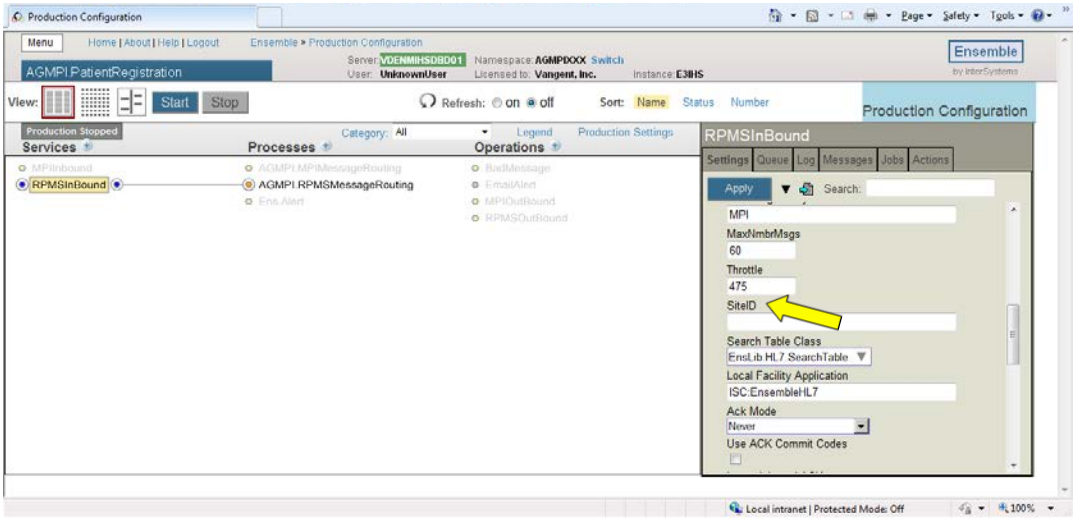

Figure 5-16: Changing a field in the **Configuration** page

To save the new configuration setting and change the production instance, click **Apply**.

Appendix A lists the default settings for the Ensemble production. The values in Appendix A may be used to correct a setting that has been accidentally changed from its default setting.

5.3 Production Settings Pane

The right panel on the configuration page provides tabs to enter configuration settings, view production information, and perform actions on the production or selected configuration item (Figure 5-14).

Click on the **Production Settings** above the diagram. The following tabs at the right apply to the production as a whole:

- **Settings** — Click to view and edit the available settings for this production.
- **Queue** — Click to view a list of the queues related to this production. To view the queue contents, click **Go to Queues** to display the **Queues** page in a new browser window.
- **Log** — Click to view an abbreviated list of Event Log entries for this production. Click **Go to Event Log** to display the **Event Log** page in a new browser window to view and search the entire Event Log.
- **Messages** — Click to view an abbreviated list of messages processed by this production. Click **Go to Message Viewer** to display the **Message Viewer** page in a new browser window to view and search all the messages related to this production.
- **Jobs** — Click to control production jobs.
- **Actions** — Click to perform available actions on the production.

> **Note**: The default settings on the Production Settings pane of the AGMPI.PatientRegistration Ensemble Configuration page should not be changed.

5.4 RPMSInbound Settings

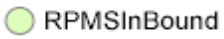

Figure 5-17: **RPMSInBound** link

1. Click **RPMSInBound** on the **Production Configuration** page to display the RPMSInBound configuration settings, as shown in Figure 5-18.

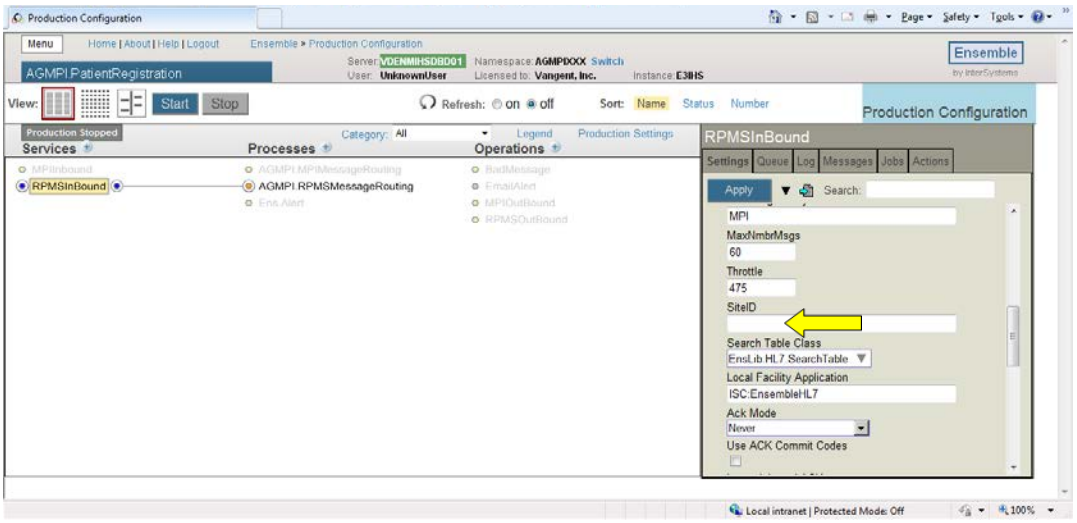

Figure 5-18: RPMSInBound settings

2. Type your station number in the **SiteID** field (in **Additional Settings**). If the RPMS namespace has multiple station numbers, use the station number for the largest facility.

3. Click **Apply** to apply the change to the production instance, as shown in Figure 5-19.

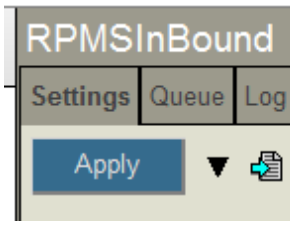

Figure 5-19: **Apply** button

Table 5-2: Configurable AGMPI RPMSInBound Settings

Setting	Value	Comments
Site ID	<Installation site ID>	Type your Station Number in this field and press **Apply.**

5.5 MPIInbound Settings

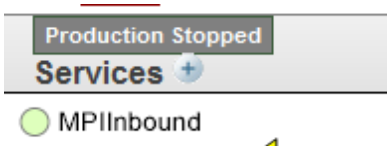

Figure 5-20: **MPIInbound** link

1. Click **MPIInbound** on the **Production Configuration** page to display the MPIInbound configuration settings, as shown in Figure 5-21.

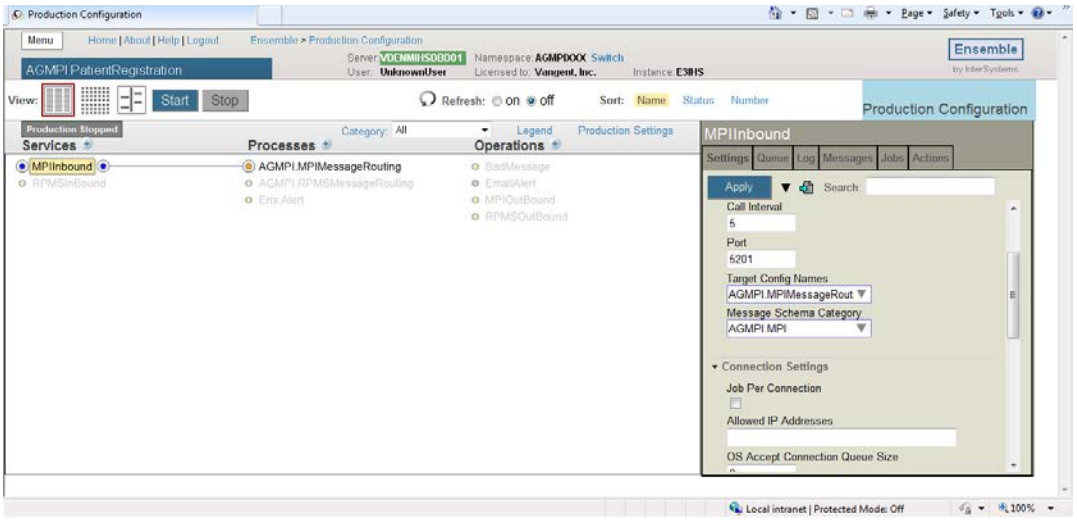

Figure 5-21: **MPIInbound** configuration

2. In the **Allowed IP Addresses** (in **Connection Settings**) and **Port** (in **Basic Settings**) fields, type the correct settings. The **Allowed IP Addresses** should be set to the value provided by the OIT Help Desk.

   If your site has multiple RPMS namespaces on the same server, then enter a unique port number in the 5201-5299 range for each RPMS namespace. Otherwise, the **Port** field should be set to 5201.

> **Note**: Make a note of the **Port** value you enter. You will need to enter it again during the KIDS installation. If you enter a port other than 5201, you must inform the OIT Help Desk what port number you are using, so the MPI server can be configured to send messages to the correct port

3. Click **Apply** to apply the change to the production instance.

Table 5-3: Configurable MPIInbound Settings

Setting	Value	Comments
Allowed IP Addresses	The IP address of the MPI server	Must be set to the IP address of the MPI server. After changing this setting, click **Apply**.
Port	5201 for single namespace sites. A unique value in the 5201-5299 range for multi-namespace sites.	TCP port that listens for and accepts connections. This must match the MPI server's outbound message port. The default is 5201. After changing this setting, click **Apply**.

5.6 AGMPI.MPIMessageRouting Settings

No changes should be made to any of the settings on the AGMPI.MPIMessageRouting configuration pane.

AGMPI.RPMSMessageRouting Settings

No changes should be made to any of the settings on the AGMPI.RPMSMessageRouting configuration pane.

5.7 Ens.Alert Settings

No changes should be made to any of the settings on the Ens.Alert configuration pane.

5.8 RPMSOutBound Settings

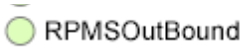

Figure 5-22: **RPMSOutBound** link

1. Click **RPMSOutBound** on the **Production Configuration** page to display the RPMSOutBound configuration settings, as shown in Figure 5-23.

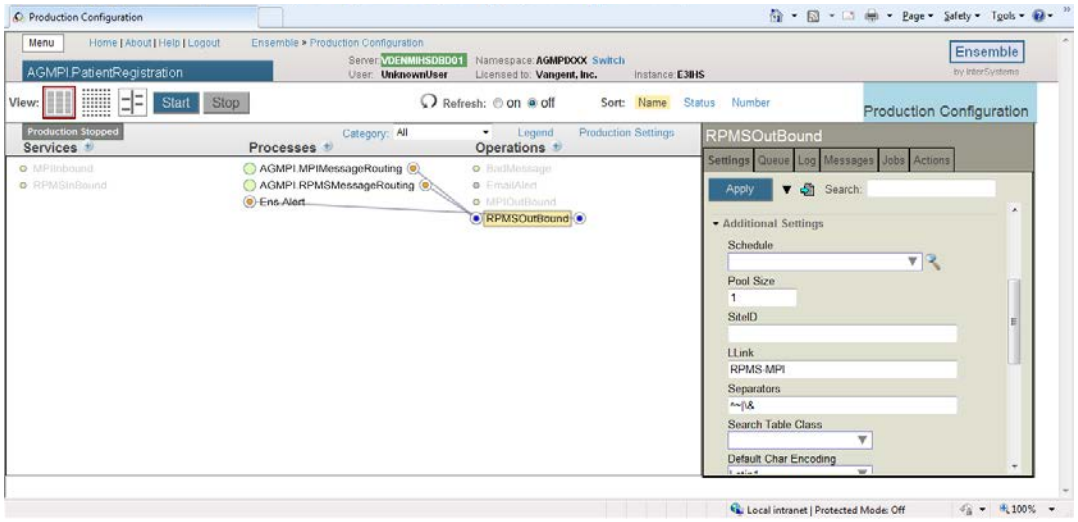

Figure 5-23: RPMSOutBound configuration settings

2. Enter the station number in the **SiteID** field (in **Additional Settings**).
3. Click **Apply** to apply the change to the production instance.

Table 5-4: Configurable RPMSOutbound Settings

Setting	Value	Comments
SiteID	Station Number	Station Number. After changing this setting, click **Apply**.

5.9 MPIOutBound Settings

MPIOutBound

Figure 5-24: **MPIOutBound** link

1. Click **MPIOutBound** on the **Production Configuration** page to display the MPIOutBound configuration settings, as shown in Figure 5-25.

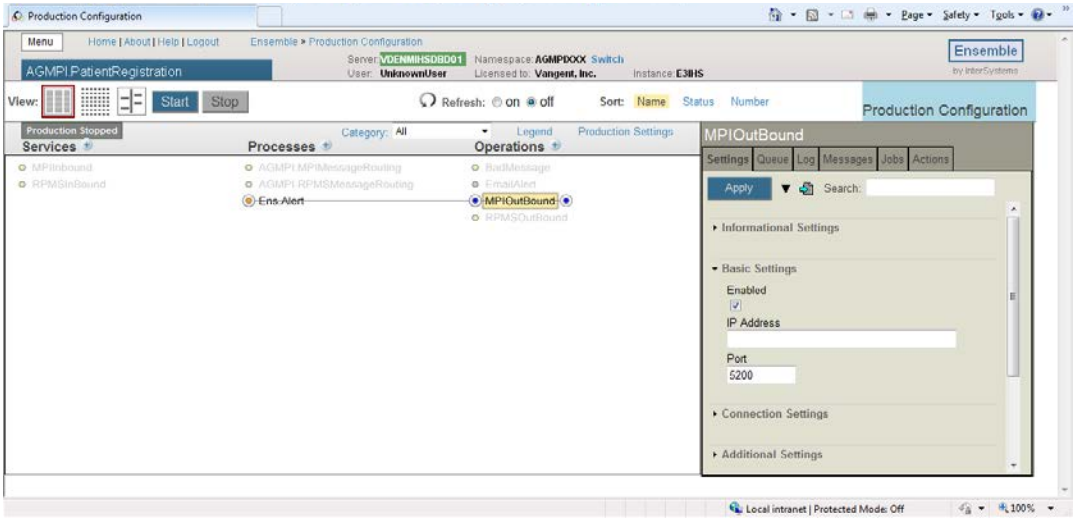

Figure 5-25: MPIOutBound configuration settings

2. In the **IP Address** and **Port** fields, type the correct settings.

> **Note**: The **IP Address** and **Port** fields should be set to the values provided to you by the OIT Help Desk.

3. Click **Apply** to apply the change to the production instance.

Table 5-5: Configurable MPIOutbound Settings

Setting	Value	Comments
IP Address	The IP address of the MPI server	IP address of the MPI Server. After changing this setting, click **Apply**.

Setting	Value	Comments
Port	The port number of the MPI server	Port number for the MPI Server Outbound messages. The default setting is 5200, but your value may be different. After changing this setting, click **Apply**.

5.10 BadMessage Settings

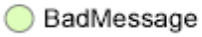

Figure 5-26: **BadMessage** link

1. Click **BadMessage** on the **Production Configuration** page to display the BadMessage configuration, as shown in Figure 5-27.

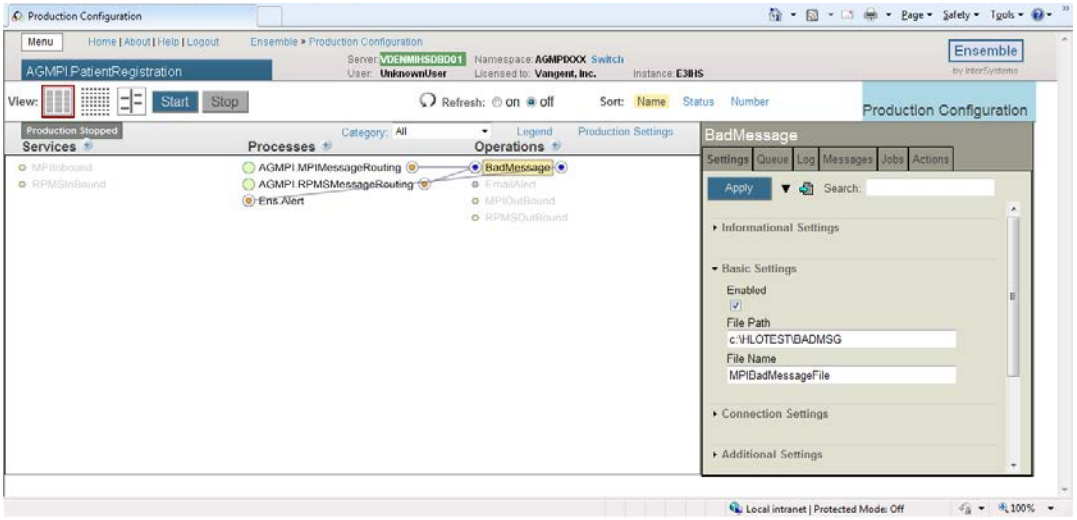

Figure 5-27: **BadMessage** configuration

2. In the **File Path** field, type the path to the directory where bad messages should be stored for later review.

   If the **File Path** field is blank, the default directory for bad messages will be used. The default directory is C:\TEMP on Windows systems and /tmp on UNIX systems.

3. Click **Apply** to apply the change to the production instance.

Table 5-6: Configurable BadMessage Settings

Setting	Value	Comments
File Path	<Path to server where EIE resides.>	Path to folder where bad messages are stored for later review. If blank, the default folder is "C:\TEMP on Windows systems and /tmp on UNIX systems. After changing this setting, click **Apply**.

5.11 EmailAlert Settings

E-mail alerts are sent when message failure events occur in the production. The recipients of the e-mail alerts must be specified on the **EmailAlert** configuration pane.

Note: Before e-mail alerts can be configured, credentials for a user with an Outlook e-mail account must be created on the **Credentials** page. Credentials are required to access applications outside of Ensemble.

5.11.1 Creating New Credentials

Credentials are used by Ensemble to connect to outside systems and applications, such as Outlook or a Simple Mail Transfer Protocol (SMTP) server. Credentials can be set up for any user with an Outlook e-mail account.

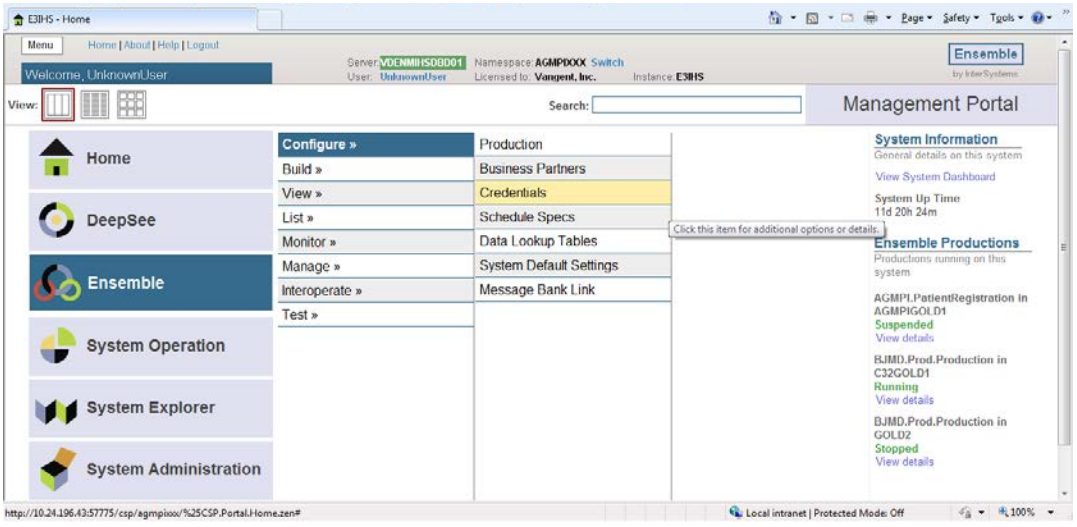

Figure 5-28: **Management Portal** page

1. On the **Management Portal** page, click **Ensemble**, then click **Configure**, then click **Credentials** to display the **Ensemble Credentials** page, as shown in Figure 5-29.

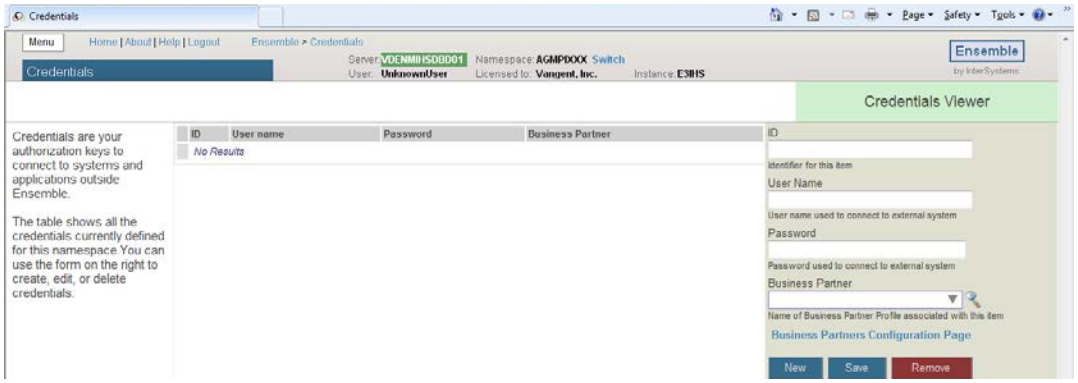

Figure 5-29: **Ensemble Credentials** page

2. In the **ID** field, enter a name to identify the credential. For example, "Site Manager," "MPI Manager," or the user's name can be entered here.

3. In the **Username** field, type a valid Outlook username.

4. In the **Password** field, type the Outlook password associated with the Outlook username.

5. In the **Business Partner** field, you may optionally enter the name of the business partner profile associated with this item. Choose a profile from the list and view its details by clicking the magnifying glass. A profile can be created or edited by clicking the **Business Partners Configuration Page** link.

6. Click **Save**. The top pane will display the newly created ID and username, as shown in Figure 5-30.

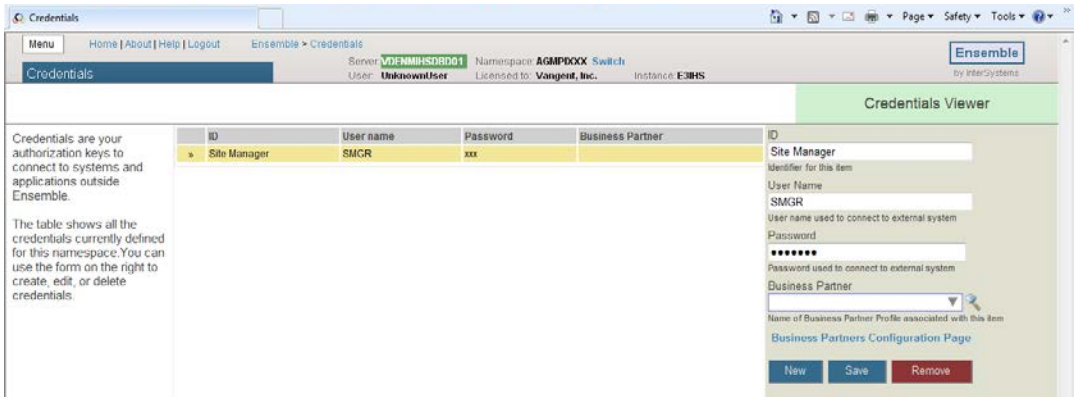

Figure 5-30: Newly created credential in the **Credentials** page

When a Credential row is selected, the right pane displays the current settings. If no row is selected, the right pane shows empty fields to create a new credential. Values in the fields are entered as outlined in the table description.

- Click **Save** to store the updated or new values as a credential and display it in the table. If a row is edited and the ID is changed, the user will need to verify that the credential is renamed when the **Save** button is clicked.
- Click **Remove** to delete the selected credential.

Note: The **Remove** operation cannot be undone.

5.11.2 EmailAlert Settings

Figure 5-31: **EmailAlert** operation

1. Return to the **Management Portal** page by clicking **Ensemble** at the top left of the **Credentials** page.

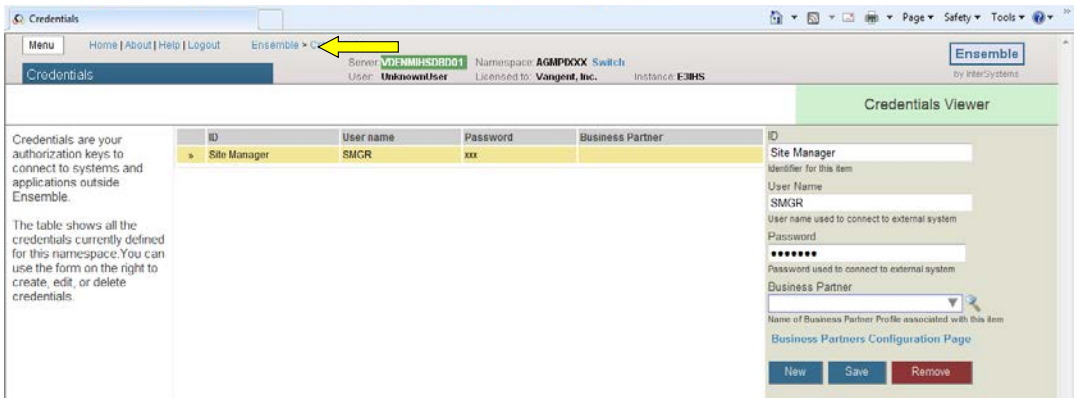

Figure 5-32: **Ensemble** link on the Credentials page

2. Click on **Production** on the **Management Portal** page to go to the **Ensemble Configure Production** page.

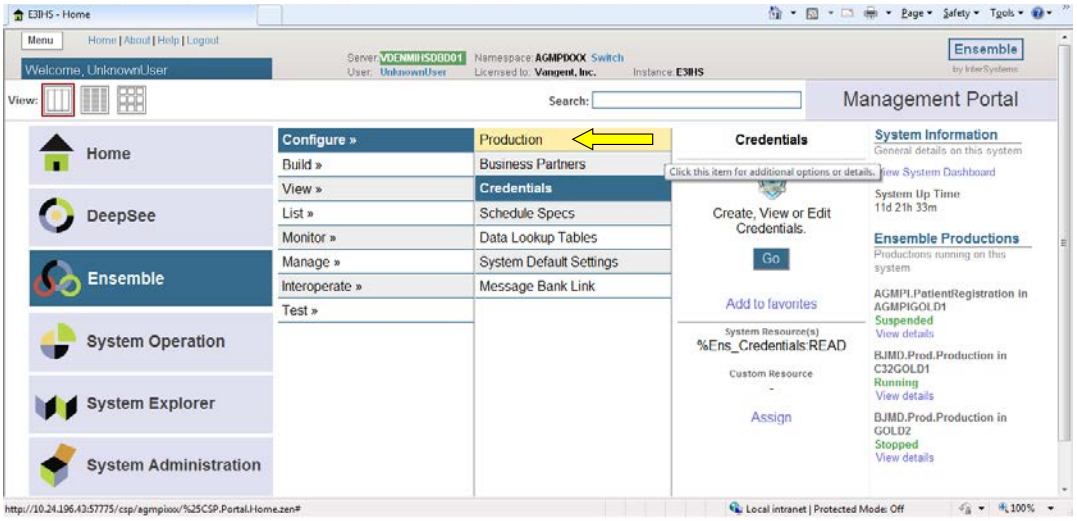

Figure 5-33: Management Portal page showing Ensemble Configure Production

3. Click **EmailAlert** in the **Ensemble Configure Production** page to display the EmailAlert configuration settings in the **EmailAlert** pane, as shown in Figure 5-34.

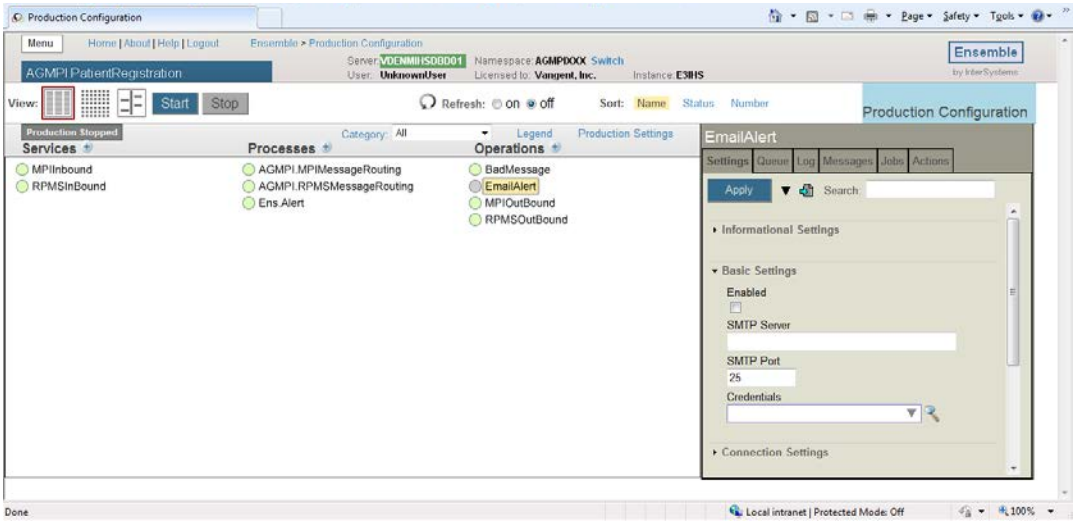

Figure 5-34: **EmailAlert** configuration

4. In the **Credentials** field in the **Basic Settings** section, click on the drop down arrow to select the credentials ID created in section 5.12.1.

   Only one set of credentials can be entered in the **Credentials** field. If an ID is already present in the field, it will be replaced when a new ID is entered.

5. In the **Recipients** and **CC** fields in the **Additional Settings** section, type e-mail addresses for individuals who need to be notified when message failures occur. To add more than one person to each field, use a semicolon to separate e-mail addresses.

   The default value is the MPIAlert@ihs.gov e-mail group, which consists of OIT Help Desk personnel. The MPIAlert@ihs.gov e-mail address shall not be removed from the list of recipients. The e-mail addresses of site managers and MPI coordinators should be added to the list of e-mail alert recipients. Add any other MPI users who should receive these alerts.

6. Click **Apply** to apply the changes to the production instance.

7. Click **OK** on the **Settings Applied** message.

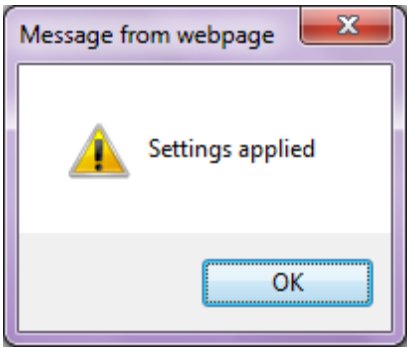

Figure 5-35: **Settings Applied** message

Table 5-7: Configurable EmailAlert Settings

Setting	Value	Comments
SMTP Server	SMTPRE.IHS.GOV	IP address of SMTP server to send mail to. For IHS Direct Sites connected to the IHS.GOV Intranet, the default is SMTPRE.IHS.GOV Note: Timeouts for connecting and sending mail can be more than 10 minutes.
SMTP Port	25	The Port ID on the SMTP server to send mail to.
Credentials	<ID>	ID name of the credential set used to access the SMTP server. The default is blank

Setting	Value	Comments
Recipient	MPIAlert@ihs.gov and other e-mail addresses, separated by semicolons	E-mail address(es) of a recipient or list of recipients that will be added to the To: list of each e-mail message sent. This is automatically generated when e-mail addresses are entered using the EIE Management Portal. MPIAlert@ihs.gov shall be included. Multiple addresses can be added. Addresses should be separated by semicolons. After changing this setting, click **Apply**.
CC	<one or more e-mail addresses>	E-mail address(es) of a recipient or list of recipients that will be added to the To: list of each e-mail message sent. This is automatically generated when e-mail addresses are entered using the EIE Management Portal. Multiple addresses can be included. Addresses should be separated by semicolons. After changing this setting, click **Apply.**
From	EnsembleAGMPI@MySiteName.IHS.GOV	The Site should be identified in the email address. Example: EnsembleAGMPI@MySiteName.IHS.GOV

6.0 Schedule the AGMPI Message Purge Task

Use the System Operation Task Manager to schedule the AGMPI Message Purge task. For more information about the System Operation Task Manager, see Appendix C.

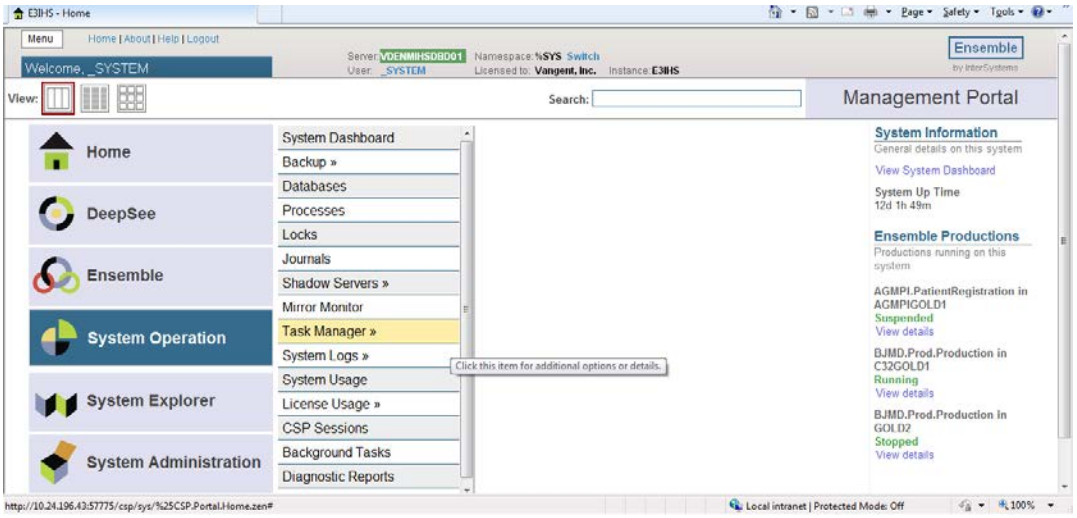

Figure 6-1: **Management Portal** page with **System Operation Task Manager** highlighted

1. On the **Management Portal** page, click **Task Manager** to display the **Task Manager** menu, as shown in Figure 6-2.

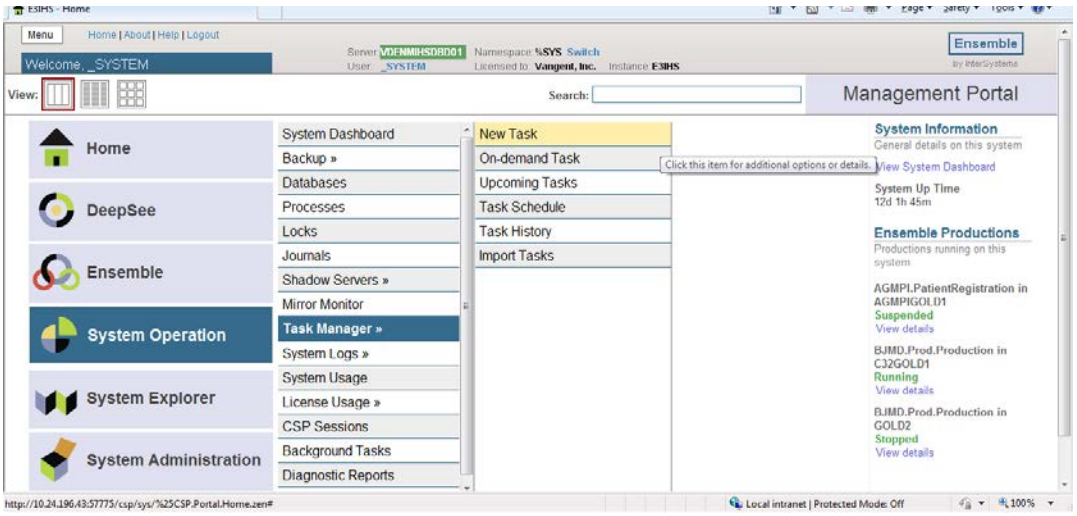

Figure 6-2: **Task Manager** menu

2. Click the **New Task** option to start the **Task Scheduler Wizard**, as shown in Figure 6-3.

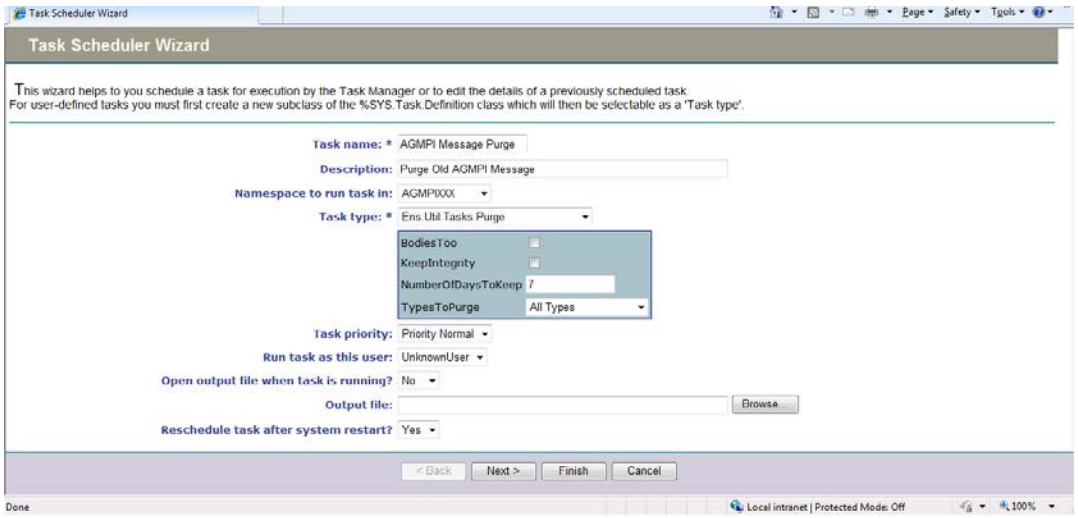

Figure 6-3: **Task Scheduler Wizard** page

3. In the **Task name** field, type **AGMPI Message Purge**.
4. In the **Description** field, type **Purge Old AGMPI Messages.**
5. In the **Namespace** list, select the AGMPIxxx namespace.
6. In the **Task Type** list, select **Ens.Util.Tasks.Purge**.
7. Be sure that the **Bodies Too** check box is selected.
8. Be sure that the **Keep Integrity** check box is cleared.
9. In the **Types to Purge** list, select **All Types**.
10. In the **Reschedule task after system restart?** list, select **Yes**.
11. Click **Next**.

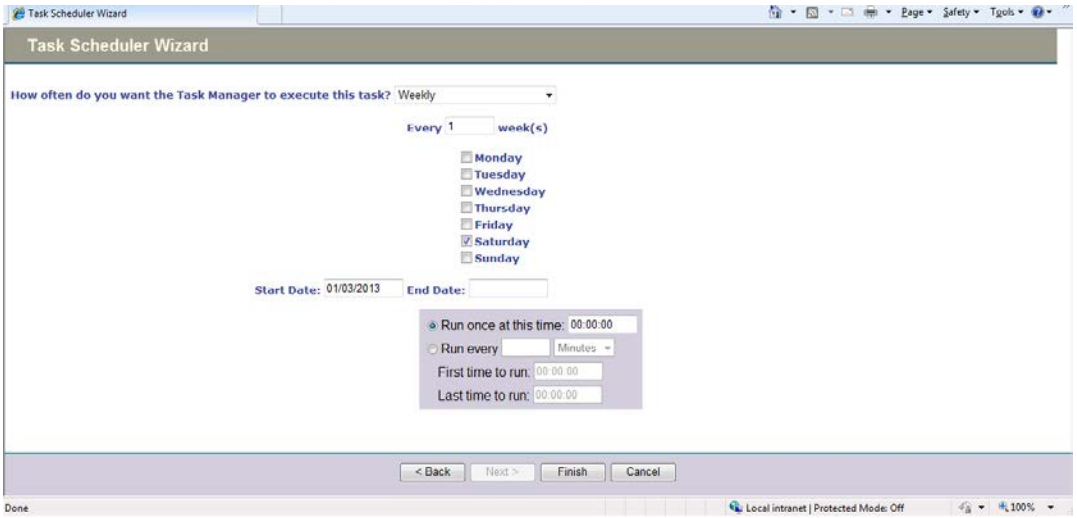

Figure 6-4: Second **Task Scheduler Wizard** page

12. In the **How often do you want the Task Manager to execute this task?** list, select **Weekly**.

13. Select the **Saturday** check box.

14. Click **Finish** to display the **View Task Schedule** page with the new task at the bottom of the page, as shown in Figure 6-5.

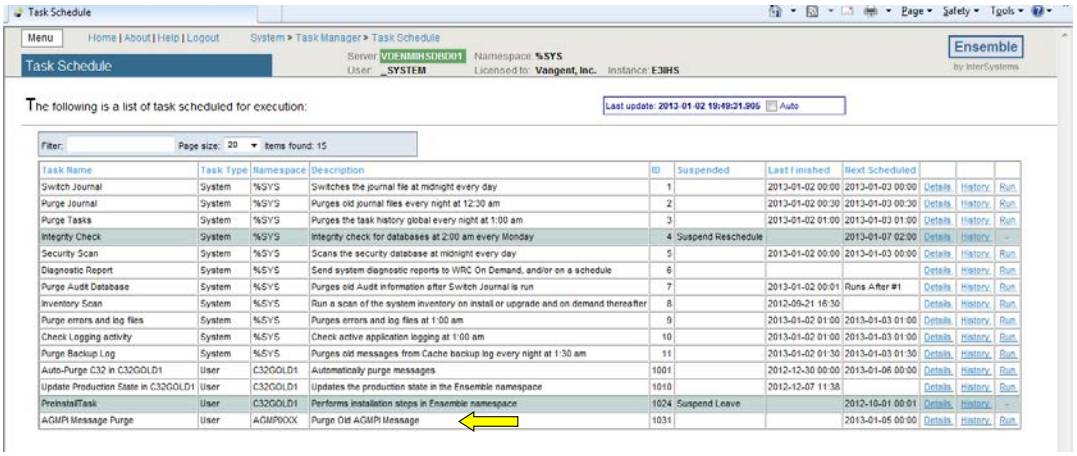

Figure 6-5: **View Task Schedule** page with **AGMPI Message Purge** displayed

7.0 KIDS Installation Instructions

7.1 Pre-installation

During this installation, you will be asked the IP address of the server on which the package will be installed and the mail group coordinator. Be sure to obtain these values before beginning the KIDS installation process. You will also be asked to enter the port assigned to the namespace in Step 5.5.

Before installing the AGMPI software, each official registering facility in RPMS *must* have been assigned a valid station number either as part of the AVA version 93.2 patch 20 installation or directly in the RPMS database.

For all sites running the AG (Patient Registration) application, ensure that all Patient Registration users are out of the AG system, and lock the AG MENU options or inhibit logons.

7.2 Installation

1. Access the KIDS menu options, **XPD MAIN**.
2. Follow the instructions in Appendix B of this document.

7.3 Post-installation

Although all HLO setup is performed by the installation, the site manager will need to verify that all files are installed correctly. Some of the following steps will consist of verifying the data set up by KIDS, while others will consist of manually configuring data in FileMan.

7.3.1 Edit PIMS HL7 V2.3 MESSAGES Field

1. Access FileMan.
2. At the "Select OPTION" prompt, type **ENTER OR EDIT FILE ENTRIES** and press Enter.
3. At the "INPUT TO WHAT FILE" prompt, type **MAS PARAMETERS** and press Enter.
4. At the "EDIT WHICH FIELD" prompt, type **SEND** and press Enter.
5. At the "CHOOSE" prompt, type **2** and press Enter.
6. At the "SEND PIMS HL7 V2.3 MESSAGES" prompt, type **1** and press Enter.

```
Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: MAS PARAMETERS//
EDIT WHICH FIELD: ALL// SEND
     1   SEND PIMS HL7 V2.2 MESSAGES
     2   SEND PIMS HL7 V2.3 MESSAGES
CHOOSE 1-2: 2  SEND PIMS HL7 V2.3 MESSAGES
THEN EDIT FIELD:

Select MAS PARAMETERS ONE: 1 SEND PIMS HL7 V2.3 MESSAGES: ?
     Choose from:
       1        SEND
       0        STOP
       2        SUSPEND
SEND PIMS HL7 V2.3 MESSAGES: 1  SEND

Select MAS PARAMETERS ONE:
```

Figure 7-1: Editing the SEND PIMS HL7 V2.3 MESSAGES field

If the **SEND PIMS HL7 V2.3 MESSAGES** field is not set to 'SEND', edits will not be placed into the ADT/HL7 PIVOT file.

7.3.1.1 HLO APPLICATION REGISTRY (779.2)

Use FileMan to verify that the HLO APPLICATION REGISTRY RPMS MPI is properly installed.

1. Access FileMan.
2. At the "Select OPTION" prompt, type **INQUIRE TO FILE ENTRIES** and press Enter.
3. At the "OUTPUT FROM WHAT FILE" prompt, type **HLO APPLICATION REGISTRY** and press Enter.
4. At the "Select HLO APPLICATION REGISTRY APPLICATION NAME" prompt, type **RPMS-MPI** and press Enter.
5. At the "ANOTHER ONE" prompt, press Enter.
6. At the **STANDARD CAPTIONED OUTPUT** prompt, press Enter to accept the default (Yes).

   Your settings should match the settings shown in Figure 7-2.

```
Select OPTION: INQUIRE TO FILE ENTRIES

OUTPUT FROM WHAT FILE: // HLO APPLICATION REGISTRY
                                          (1 entry)

Select HLO APPLICATION REGISTRY APPLICATION NAME: RPMS-MPI
ANOTHER ONE:
```

```
STANDARD CAPTIONED OUTPUT? Yes//  Y (Yes)
Include COMPUTED fields:  (N/Y/R/B): NO//  - No record number (IEN), no
Computed Fields

APPLICATION NAME: RPMS-MPI                DEFAULT PRIVATE IN-QUEUE: MPI RPMS
  DEFAULT ACTION TAG: ERR                 DEFAULT ACTION ROUTINE: AGMPIHLO
HL7 MESSAGE TYPE: MFN                     HL7 EVENT: M05
  ACTION TAG: PROC                        ACTION ROUTINE: AGMPIMFN
HL7 MESSAGE TYPE: ACK                     HL7 EVENT: A28
  ACTION TAG: PROC                        ACTION ROUTINE: AGMPIACK
HL7 MESSAGE TYPE: ACK                     HL7 EVENT: Q02
  ACTION TAG: PROC                        ACTION ROUTINE: AGMPHLVQ
HL7 MESSAGE TYPE: ACK                     HL7 EVENT: A08
  ACTION TAG: PROC                        ACTION ROUTINE: AGMPIACK
HL7 MESSAGE TYPE: ACK                     HL7 EVENT: A01
  ACTION TAG: PROC                        ACTION ROUTINE: AGMPHL01
HL7 MESSAGE TYPE: ACK                     HL7 EVENT: A03
  ACTION TAG: PROC                        ACTION ROUTINE: AGMPHL03
  Package File Link: HEALTH LEVEL SEVEN
```

Figure 7-2: FileMan inquiry for HLO APPLICATION REGISTRY

7.3.2 HLO SYSTEM PARAMETERS File (779.1)

Use FileMan to verify that the settings in the HLO System Parameters file match the settings shown in Figure 7-3.

1. Access FileMan.
2. At the "Select OPTION" prompt, type **INQUIRE TO FILE ENTRIES** and press Enter.
3. At the "OUTPUT FROM WHAT FILE" prompt, type **HLO SYSTEM PARAMETERS** and press Enter.
4. At the "Select HLO SYSTEM PARAMETERS DOMAIN NAME" prompt, type your site's IP address and press Enter.
5. At the "ANOTHER ONE" prompt, press Enter.
6. At the "STANDARD CAPTIONED OUTPUT?" prompt, press Enter to accept the default response (Yes).
7. Verify that the **DOMAIN NAME** and **STATION NUMBER** fields display the correct IP address and station number for your site.

> **Note**: The list of fields may differ slightly from the example shown in Figure 7-3.

```
Select OPTION: INQUIRE TO FILE ENTRIES
```

```
OUTPUT FROM WHAT FILE: HLO APPLICATION REGISTRY// HLO SYSTEM PARAMETERS
                                        (1 entry)
Select HLO SYSTEM PARAMETERS DOMAIN NAME: <<Type site's IP address>>
ANOTHER ONE:
STANDARD CAPTIONED OUTPUT? Yes//   (Yes)
Include COMPUTED fields:  (N/Y/R/B): NO//  - No record number (IEN), no Computed
 Fields

DOMAIN NAME: <<Site's IP address>>  STATION NUMBER:<<Site's station number>>
  PRODUCTION ID: production             MAXIMUM STRING LENGTH: 512
  BUFFER SIZE FOR HL7 (BYTES): 15000    BUFFER SIZE FOR USER (BYTES): 5000
  NORMAL MSG RETENTION (HOURS): 36      BAD MESSAGE RETENTION (DAYS): 7
  HLO ON/OFF SWITCH: ON                 HLO STANDARD LISTENER: HLO RPMS
```

Figure 7-3: HLO SYSTEM PARAMETERS File

7.3.3 HLO PROCESS REGISTRY File (779.3)

Use FileMan to verify that the settings in the HLO Process Registry file match the settings shown in Figure 7-4.

1. Access FileMan.
2. At the "Select OPTION" prompt, type **INQUIRE TO FILE ENTRIES** and press Enter.
3. At the "OUTPUT FROM WHAT FILE" prompt, type **HLO** and press Enter.
4. At the "CHOOSE" prompt, type **4** (HLO PROCESS REGISTRY) and press Enter.
5. At the "Select HLO PROCESS REGISTRY PROCESS NAME" prompt, type **TASKMAN MULTI-LISTENER** and press Enter.
6. At the "STANDARD CAPTIONED OUTPUT?" prompt press Enter to accept the default response (Yes).

```
Select OPTION: INQUIRE TO FILE ENTRIES

OUTPUT FROM WHAT FILE: MEDICAID ELIGIBLE// HLO
     1   HLO APPLICATION REGISTRY         (1 entry)
     2   HLO MESSAGE BODY                 (0 entries)
     3   HLO MESSAGES                     (0 entries)
     4   HLO PROCESS REGISTRY             (13 entries)
     5   HLO SUBSCRIPTION REGISTRY        (0 entries)
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 4  HLO PROCESS REGISTRY       (13 entries)

Select HLO PROCESS REGISTRY PROCESS NAME: TASKMAN MULTI-LISTENER
ANOTHER ONE:
STANDARD CAPTIONED OUTPUT? Yes// Y  (Yes)
Include COMPUTED fields:  (N/Y/R/B): NO//  - No record number (IEN), no
Computed
```

```
Fields

 PROCESS NAME: TASKMAN MULTI-LISTENER  ACTIVE: YES
 MINIMUM ACTIVE PROCESSES: 1           MAXIMUM ACTIVE PROCESSES: 1
 SCHEDULING FREQUENCY (minutes): 30
 DT/TM LAST STARTED OR STOPPED: FEB 03, 2005@06:07:05
 HANG TIME (seconds): 0                GET WORK FUNCTION (TAG): GETWORK
 GET WORK FUNCTION (ROUTINE): HLOSRVR  DO WORK FUNCTION (TAG): DOWORKM
 DO WORK FUNCTION (ROUTINE): HLOSRVR   MAX TRIES FINDING WORK: 9999
 PERSISTENT: NO                        DEDICATED LINK: HLO RPMS
 VMS TCP SERVICE: NO
```

Figure 7-4: HLO PROCESS REGISTRY File Setup

The listing will indicate whether or not the TaskMan Multi-Listener is active.

7.3.4 Assign Security Keys

The AGZMGRMPI key is the only security key available for interface users. The AGZMGRMPI key is for the main AG MPI menu, which contains the menu to send or process individual messages. The AGZMGRMPI key should be given to site managers only.

7.3.5 Alert Parameters

Note: Two new alert parameters must be added. Do not edit existing parameters.

Follow the steps in this section to add two new alert parameters. The two parameters are AGMP MPI TOTAL ERRORS and AGMP MPI ERROR PTS.

Note: If this step is not done, alerts will *not* be sent in RPMS.

Find the Site's Domain

First, find your site's domain name in FileMan by following these steps:

1. Access FileMan.
2. At the "Select OPTION" prompt, type **ENTER OR EDIT FILE ENTRIES** and press Enter.
3. At the "INPUT TO WHAT FILE" prompt, type **KERNEL SYSTEM PARAMETERS** and press Enter.
4. At the "EDIT WHICH FIELD" prompt, type **DOMAIN NAME** and press Enter.
5. At the "THEN EDIT FIELD" prompt, press Enter to accept the default response.

6. At the "Select KERNEL SYSTEM PARAMETERS DOMAIN NAME" prompt, type **`1** (the backquote character followed by the numeral one) and press Enter.

7. The domain name is displayed at the next prompt. In Figure 7-5 the domain name is B-SYSTEM.DSM.IHS.GOV. Your site's domain name will be different.

8. Press Enter to exit the menu option.

```
Select OPTION: ENTER OR EDIT FILE ENTRIES



INPUT TO WHAT FILE: KERNEL SYSTEM PARAMETERS
EDIT WHICH FIELD: ALL// DOMAIN NAME
THEN EDIT FIELD:


Select KERNEL SYSTEM PARAMETERS DOMAIN NAME: `1  B-SYSTEM.DSM.IHS.GOV
DOMAIN NAME: B-SYSTEM.DSM.IHS.GOV//


Select KERNEL SYSTEM PARAMETERS DOMAIN NAME:
```

Figure 7-5: Finding the Site Domain

Add New Parameter Entry: AGMP MPI TOTAL ERRORS

Two new entries must be added in the PARAMETERS File: AGMP MPI TOTAL ERRORS and AGMP MPI ERROR PTS.

Follow the steps below to edit the AGMP MPI TOTAL ERRORS parameter in FileMan, as shown in Figure 7-6:

1. Access FileMan.

2. At the "Select OPTION" prompt, type **ENTER OR EDIT FILE ENTRIES** and press Enter.

3. At the "INPUT TO WHAT FILE" prompt, type **PARAMETERS** and press Enter.

4. At the "EDIT WHICH FIELD" prompt, press Enter to accept the default.

5. At the "PARAMETERS ENTITY" prompt, type the site's domain name *in quotes* and press Enter. For example: "DEMO.IHS.GOV"

6. At the "…OK?" prompt, press Enter to accept the default.

7. At the "Are you adding <site's domain name> as a new PARAMETERS" prompt, type **Y** (Yes).

8. At the "PARAMETERS PARAMETER" prompt, type **AGMP MPI TOTAL ERRORS** and press Enter.
9. At the "PARAMETERS INSTANCE" prompt, type **1** and press Enter.
10. At the "VALUE" prompt, type **1** and press Enter.
11. At the "WORD PROCESSING TEXT" prompt, press Enter.
12. At the "M CODE" prompt, press Enter.

```
Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: PARAMETERS//
EDIT WHICH FIELD: ALL//

Select PARAMETERS ENTITY:"B-SYSTEM.DSM.IHS.GOV" <<type site's domain name
in quotes>>

     Searching for a User, (pointed-to by ENTITY)

     Searching for a Class, (pointed-to by ENTITY)

     Searching for a Team, (pointed-to by ENTITY)

     Searching for a Team (OE/RR), (pointed-to by ENTITY)

     Searching for a Location, (pointed-to by ENTITY)

     Searching for a Service, (pointed-to by ENTITY)

     Searching for a Division, (pointed-to by ENTITY)

     Searching for a System, (pointed-to by ENTITY)

     Searching for a Package, (pointed-to by ENTITY)

     Searching for a Room-Bed, (pointed-to by ENTITY)

     Searching for a Device, (pointed-to by ENTITY)

     Searching for a User

     Searching for a Class

     Searching for a Team

     Searching for a Team (OE/RR)

     Searching for a Location

     Searching for a Service

     Searching for a Division

     Searching for a System
  B-SYSTEM.DSM.IHS.GOV
        ...OK? Yes//   (Yes)
```

```
  Are you adding 'B-SYSTEM.DSM.IHS.GOV' as a new PARAMETERS (the 1ST)? No//
Y
  (Yes)
   PARAMETERS PARAMETER: AGMP MPI TOTAL ERRORS    Patient load total Errors
   PARAMETERS INSTANCE: 1
PARAMETER: AGMP MPI TOTAL ERRORS//
INSTANCE: 1//
VALUE: 1
WORD PROCESSING TEXT:
  1>
M CODE:
```

Figure 7-6: Editing AGMP MPI TOTAL ERRORS parameter in FileMan

Add New Parameter Entry: AGMP MPI ERROR PTS

Follow the steps below to edit the AGMP MPI ERROR PTS parameter in FileMan, as shown in Figure 7-7.

1. Access FileMan.
2. At the "Select PARAMETERS ENTITY" prompt, type the site's domain name *in quotes* and press Enter. For example: "DEMO.IHS.GOV"
3. At the "…OK?" prompt, press Enter.
4. At the "Are you adding <site's domain name> as a new PARAMETERS" prompt, type **Y** (Yes) and press Enter.
5. At the "PARAMETERS PARAMETER" prompt, type **AGMP MPI ERROR PTS** and press Enter.
6. At the "PARAMETERS INSTANCE" prompt, type **2** and press Enter
7. At the "PARAMETER" prompt, press Enter to accept the default.
8. At the "INSTANCE" prompt, type **2** and press Enter.
9. At the "VALUE" prompt, type **424** and press Enter.
10. At the "WORD PROCESSING TEXT" prompt, press Enter.
11. At the "M CODE" prompt, press Enter.

```
Select PARAMETERS ENTITY:"B-SYSTEM.DSM.IHS.GOV" <<type site's domain name
in quotes>>

     Searching for a User, (pointed-to by ENTITY)

     Searching for a Class, (pointed-to by ENTITY)

     Searching for a Team, (pointed-to by ENTITY)
```

```
     Searching for a Team (OE/RR), (pointed-to by ENTITY)

     Searching for a Location, (pointed-to by ENTITY)

     Searching for a Service, (pointed-to by ENTITY)

     Searching for a Division, (pointed-to by ENTITY)

     Searching for a System, (pointed-to by ENTITY)
  B-SYSTEM.DSM.IHS.GOV
        ...OK? Yes//   (Yes)
  Are you adding 'B-SYSTEM.DSM.IHS.GOV' as a new PARAMETERS (the 2ND)? No//
Y
  (Yes)
   PARAMETERS PARAMETER: AGMP MPI ERROR PTS    Patients who could not be
processed
   PARAMETERS INSTANCE: 2
PARAMETER: AGMP MPI ERROR PTS//
INSTANCE: 2
VALUE: 424
WORD PROCESSING TEXT:
  1>
M CODE:


Select PARAMETERS ENTITY:
```

Figure 7-7: Editing AGMP MPI ERROR PTS parameter in FileMan

8.0 Contact OIT Help Desk

Once the configuration has been completed, contact the OIT Help Desk and let them know that you are ready to proceed with your initial MPI load. Wait for the OIT Help Desk to confirm that you may proceed with the initial MPI load.

Note:	Do not proceed without the approval of the OIT Help Desk. Proceeding without OIT Help Desk approval may result in your database filling up and RPMS failing.

9.0 Initial Load

> **Note:** Complete all configuration steps before starting the initial load.
>
> Do *not* continue until the OIT Help Desk has approved starting the initial MPI load.

9.1 Schedule the AGMP ACK BCKGRND TSK Task

Use TaskMan to schedule the AGMP ACK BCKGRND TSK task. The task should be set to run at startup and should run every 5 minutes (300 seconds).

1. At the "Select OPTION NAME" prompt, type **XUTM MGR** for Taskman Management and press Enter.
2. At the "Select Taskman Management Option" prompt, type **Schedule** and press Enter.
3. At the "Select OPTION to schedule or reschedule" prompt, type **AGMP ACK BCKGRND TSK** and press Enter.
4. At the "QUEUED TO RUN AT WHAT TIME" prompt, type **T@0800** and press Enter.
5. At the "QUEUED TO RUN ON VOLUME SET" prompt, type your site volume set and press Enter. The namespace must be in the Kernel site parameters as a volume set.
6. At the "RESCHEDULING FREQUENCY" prompt, type **300S** and press Enter.
7. At the "COMMAND" prompt, type **S** to save and press Enter.

```
Select OPTION NAME: XUTM MGR       Taskman Management



          Schedule/Unschedule Options
          One-time Option Queue
          Taskman Management Utilities ...
          List Tasks
          Dequeue Tasks
          Requeue Tasks
          Delete Tasks
          Print Options that are Scheduled to run
          Cleanup Task List
          Print Options Recommended for Queueing

Select Taskman Management Option: Schedule/Unschedule Options
```

```
Select OPTION to schedule or reschedule: AGMP ACK BCKGRND TSK
  Are you adding 'AGMP ACK BCKGRND TSK' as
                          Edit Option Schedule
    Option Name: AGMP ACK BCKGRND TSK
    Menu Text: AGMP ACK BCKGRND                          TASK ID:

_____________________________________________________________________________

  QUEUED TO RUN AT WHAT TIME: MAY 6,2010@08:00

DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET: <<Type the site's volume set>>

      RESCHEDULING FREQUENCY: 300S

             TASK PARAMETERS:

            SPECIAL QUEUEING:

_____________________________________________________________________________
Exit     Save     Next Page     Refresh

Enter a command or '^' followed by a caption to jump to a specific field.
COMMAND: S                                        Press <PF1>H for help
Insert

Select OPTION to schedule or reschedule:
```

Figure 9-1: AGMP ACK BCKGRND TSK scheduled in TaskMan

9.2 Configure the Ensemble Auto-Start Production

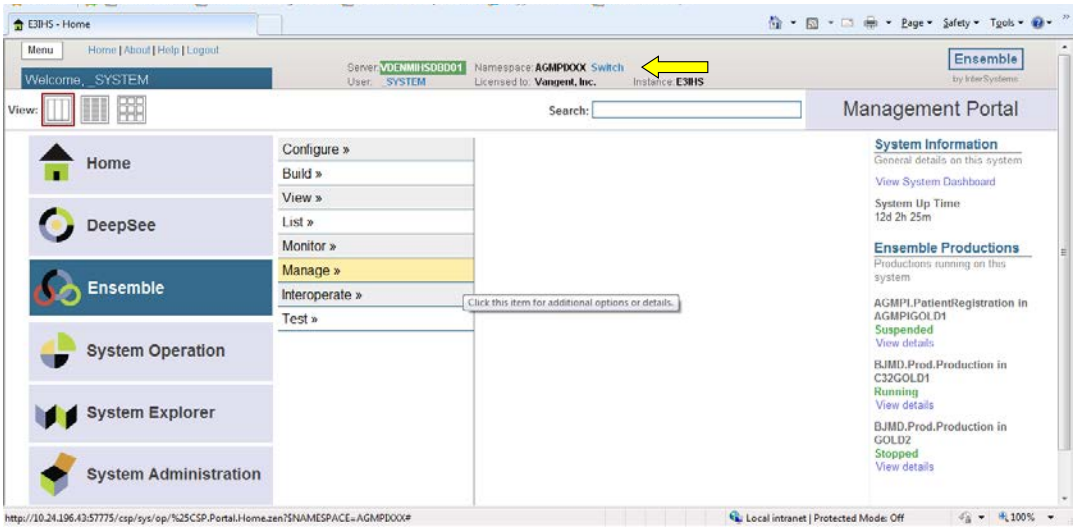

Figure 9-2: Management Portal page

1. On the **Management Portal** page, click the **Switch** link to select the AGMPIxxx namespace in the **Namespace** Chooser box.

2. In the **Namespace Chooser** box, select **AGMIxxx.** Click the **OK** button to select the namespace.

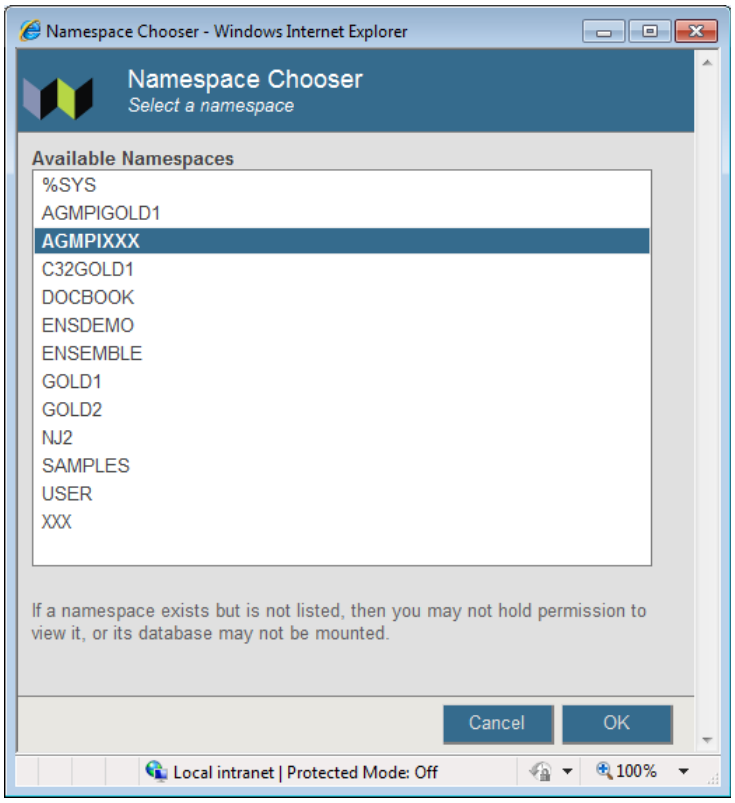

Figure 9-3: **Namespace Chooser** page

3. Click **Ensemble**, then click **Manage**, then click **Auto-Start Production**, as shown in Figure 9-4.

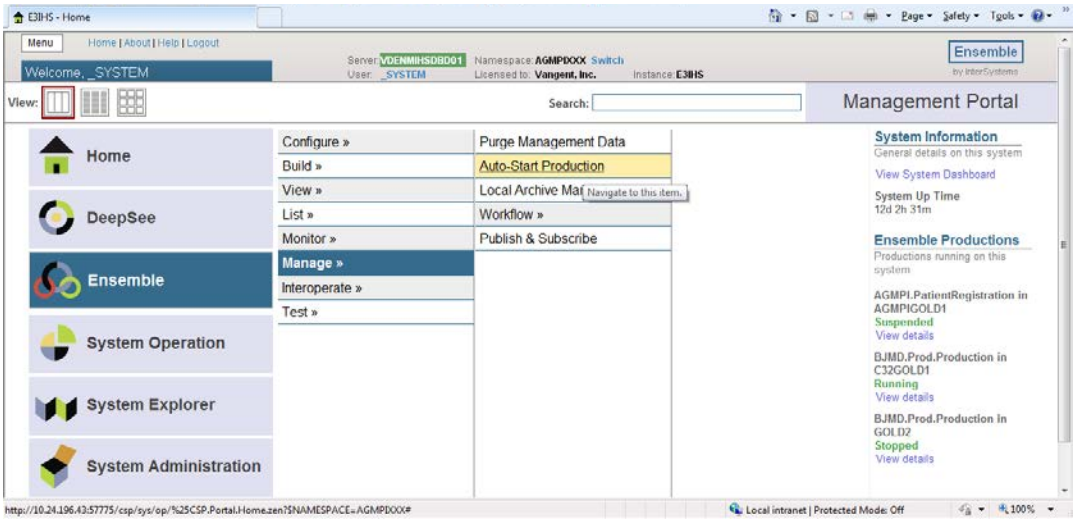

Figure 9-4: **Ensemble Manage Auto-Start Production** option

4. On the **Auto-Start Production** page, select AGMPI.PatientRegistration from the **Choose a production to start automatically on Ensemble startup, then click Apply** list as shown in Figure 9-5. Click the **Apply** button to save the setting.

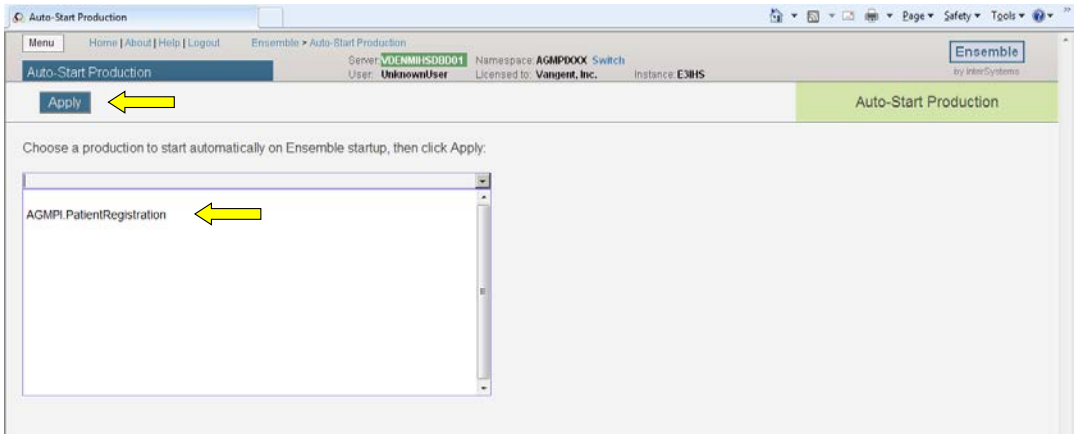

Figure 9-5: **Auto-Start Production** page

5. Click **OK** on the Auto-Start Production Confirmation page.

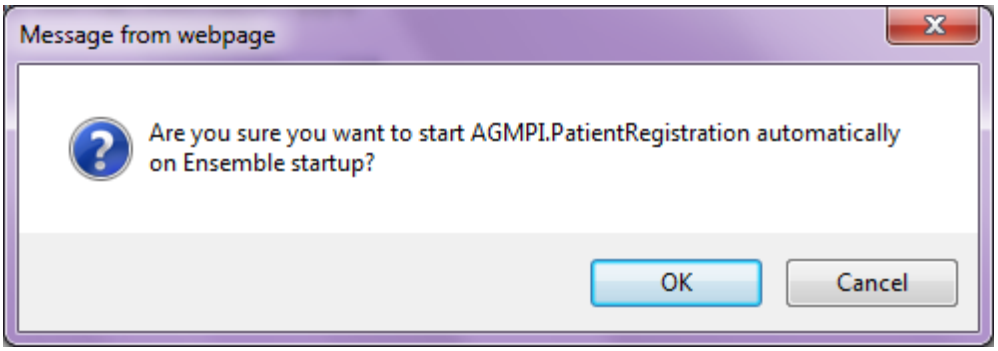

Figure 9-6: Auto-Start Production confirmation page

6. Click **Ensemble** on the top of the page, as shown in Figure 9-7, to return to the **Management Portal** page.

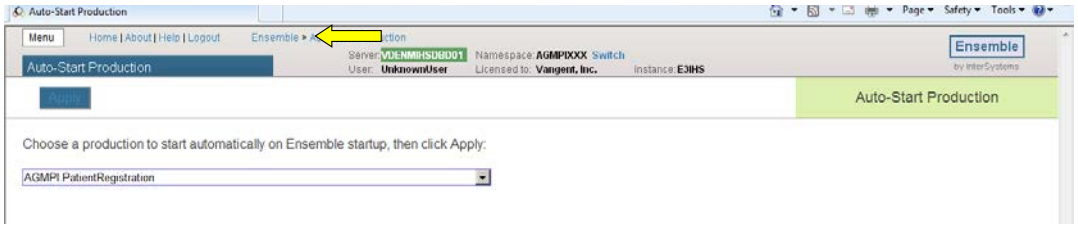

Figure 9-7: **Auto-Start Production** page after clicking **Apply** button

9.3 Starting the Ensemble Production

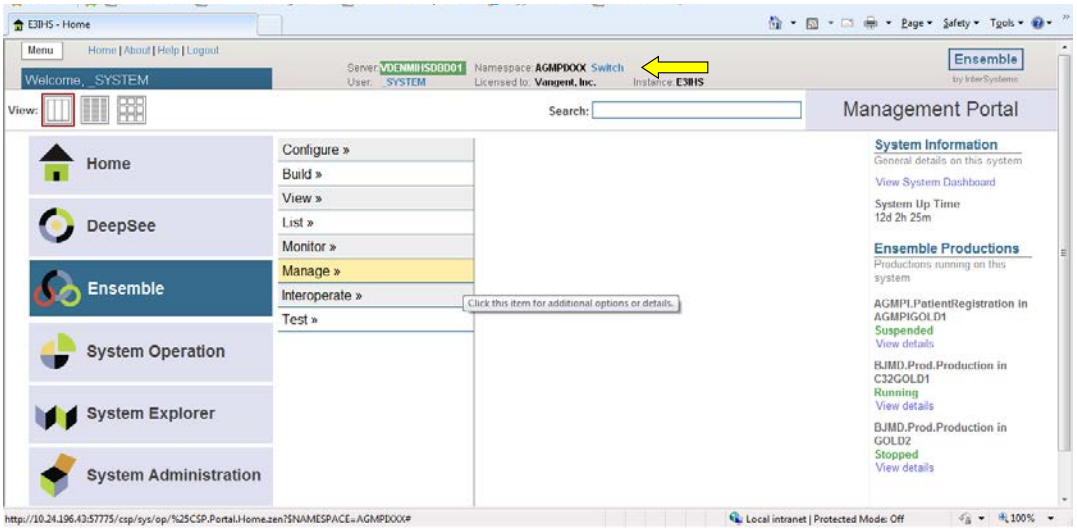

Figure 9-8: **Management Portal** page

1. On the **Management Portal** page, click the **Switch** link to select the AGMPIxxx namespace in the **Namespace** Chooser Page .

2. In the **Namespace Chooser** box, select **AGMIxxx.** Click the **OK** button to select the namespace.

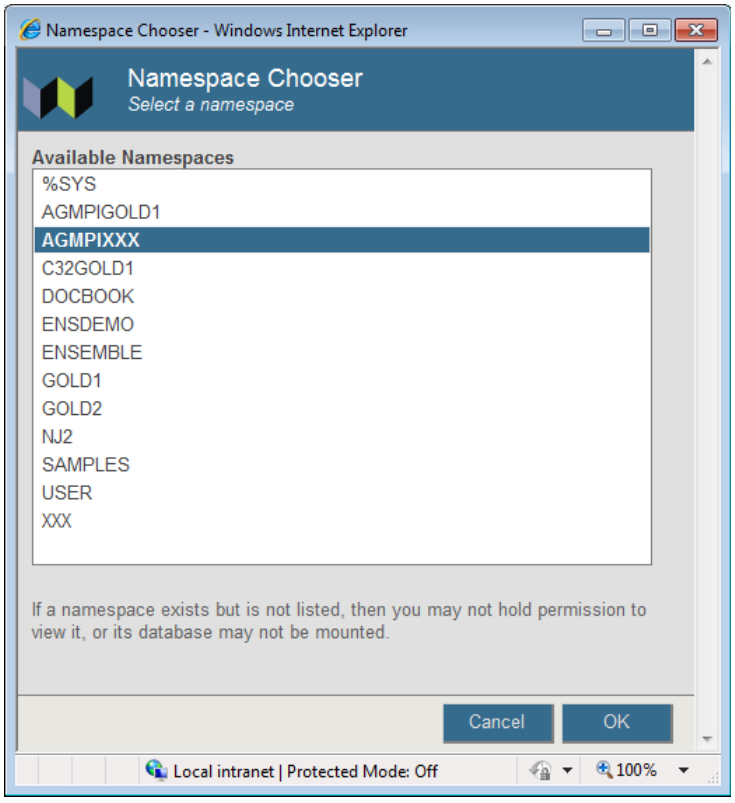

Figure 9-9: **Namespace Chooser** page

3. Click **Ensemble**, then click **Configure**, then click **Production**, as shown in Figure 9-10.

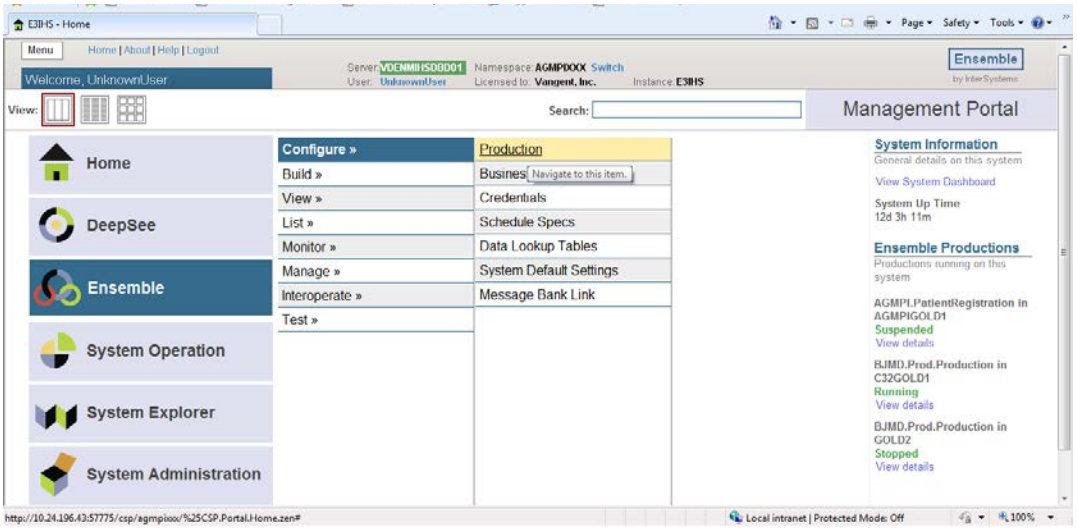

Figure 9-10: **Management Portal Configure Production** page

4. To start a production, click the **Start** button on the **Production Configuration** page, as shown in Figure 9-11, then click **OK** in the **Start Production** dialog box.

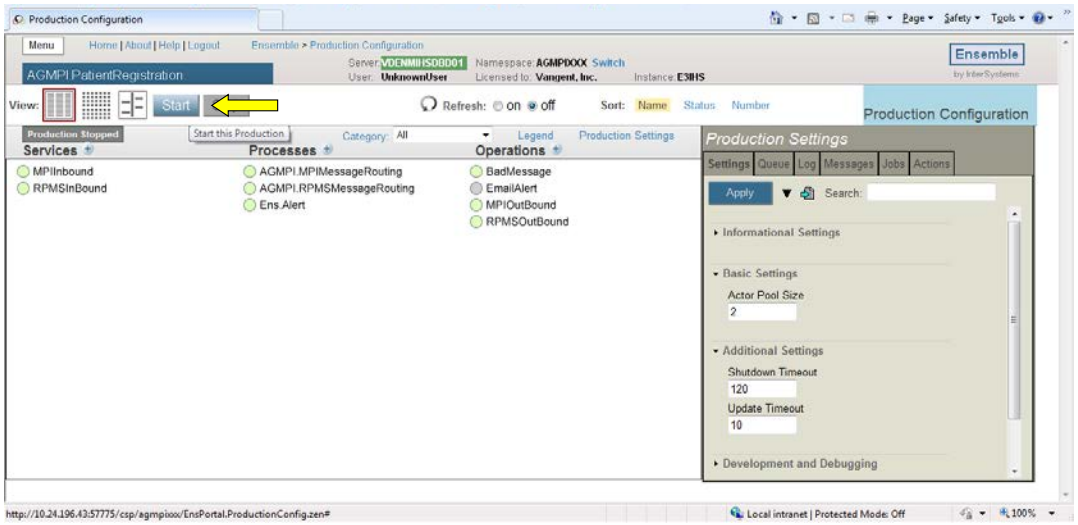

Figure 9-11: Start a production instance by clicking the **Start** button

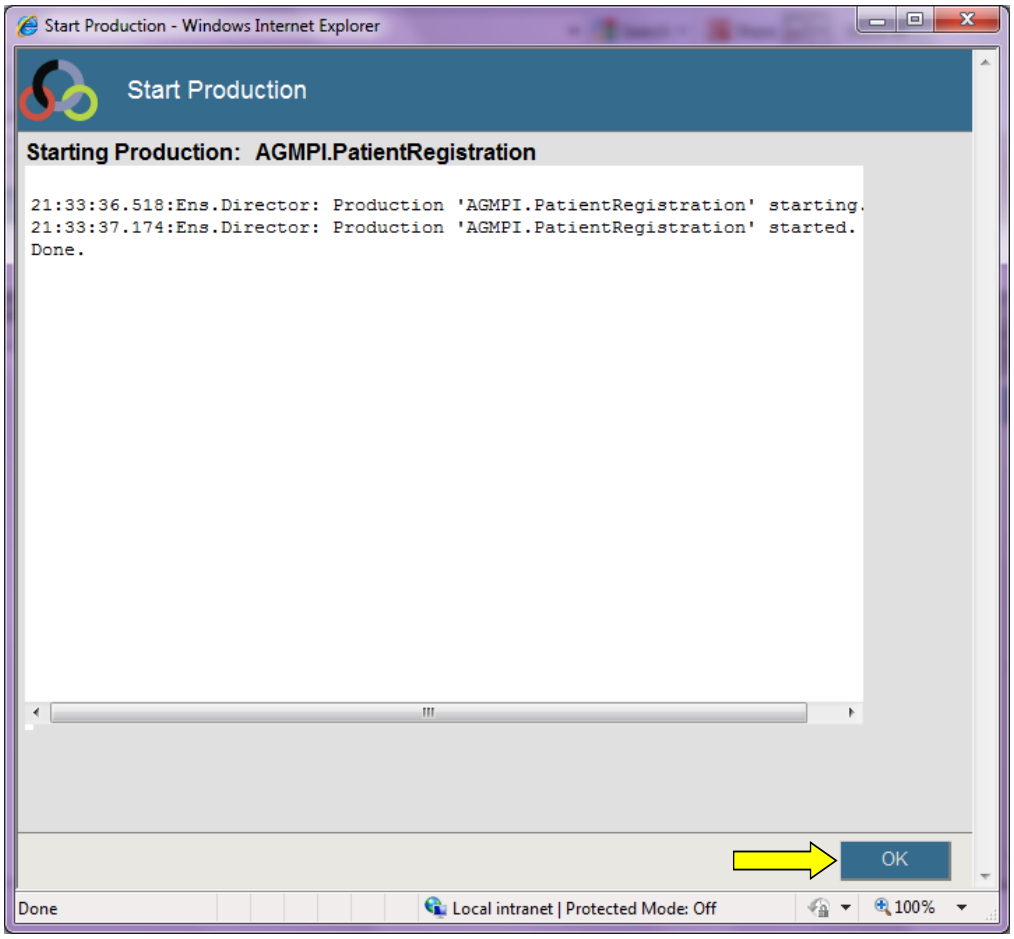

Figure 9-12: Starting the **AGMPI.PatientRegistration** production instance

Figure 9-13 shows the **AGMPI.PatientRegistration** production instance running.

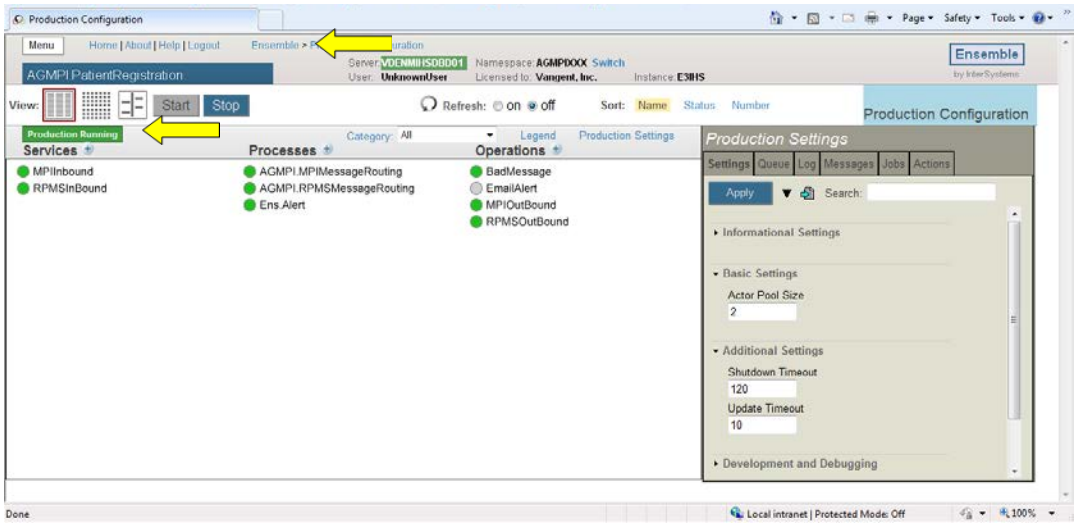

Figure 9-13: **Production Configuration** page showing the AGMPI.PatientRegistration production instance running

5. Click on the **Ensemble** link at the top of the **Production Configuration** page to return to the **Management Portal** page.

6. Click **Ensemble**, then click **List**, then click **Productions** to display the Production List page listing the status of all productions in the selected namespace.

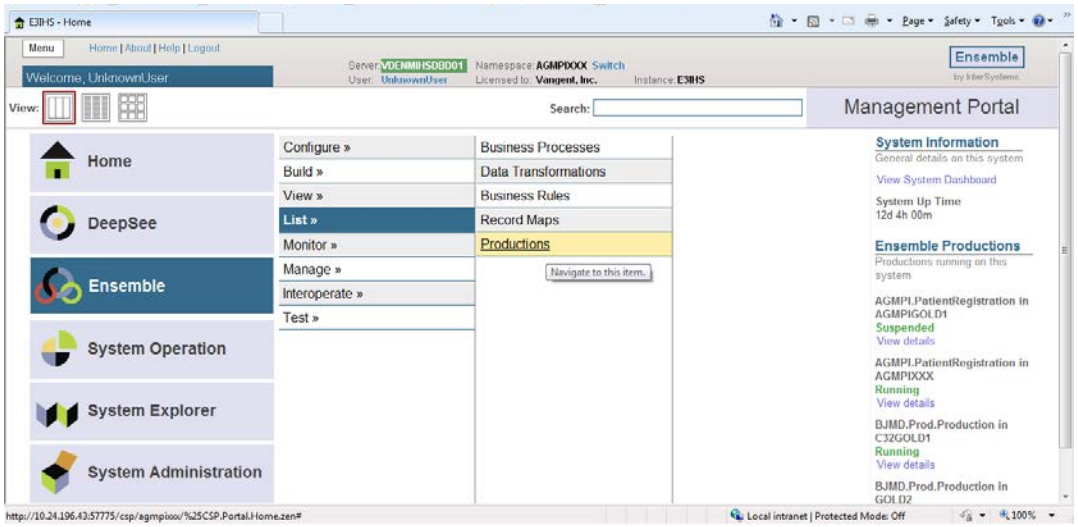

Figure 9-14: **Management Portal** showing the Ensemble List Productions option

Figure 9-15 shows the **AGMPI.PatientRegistration** production instance running.

Figure 9-15: **AGMPI.PatientRegistration** production instance with a status of Running

7. For an alternative view of the currently running production, click **Ensemble** to display the production instance table on the **Management Portal** page, as shown in Figure 9-16.

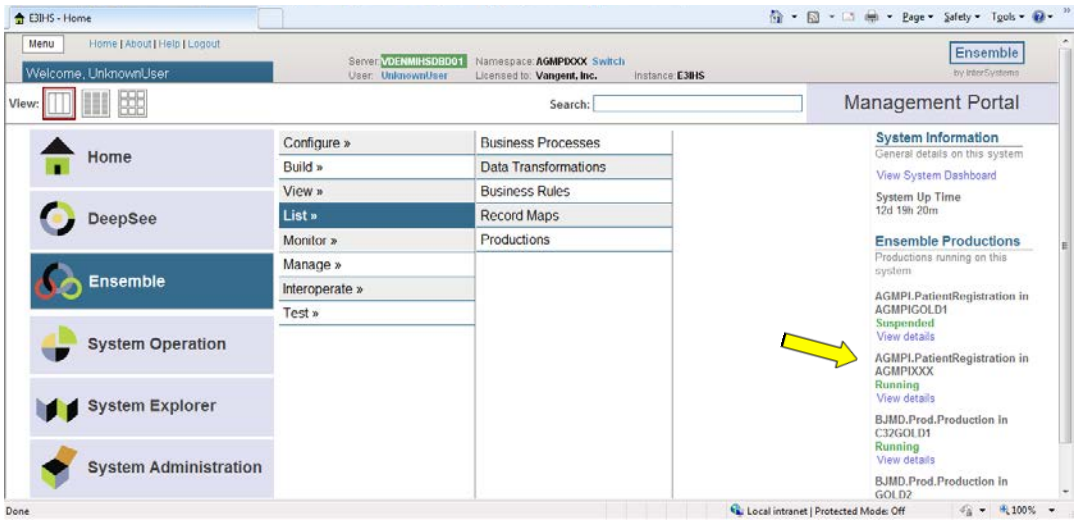

Figure 9-16: **Management Portal** page showing the AGMPI.PatientRegistration production instance with a status of Running

9.4 Wait for OIT Help Desk

Wait for the OIT Help Desk to confirm that messages are being sent to the central MPI server before continuing.

9.5 Schedule a One-Time Task

Use TaskMan to schedule the AGMP MPI MISSING ICN TSK task for a one-time run. The task will eventually be scheduled to run nightly; however, the task is first used when a site is brought online with the Enterprise MPI to initially populate a site's patients into the MPI database.

1. At the "Select OPTION NAME" prompt, type **XUTM MGR** for Taskman Management and press Enter.

2. At the “Select Taskman Management Option” prompt, type **Schedule** and press Enter.
3. At the “Select OPTION to schedule or reschedule” prompt, type **AGMP MPI MISSING ICN TSK** and press Enter.
4. At the “QUEUED TO RUN AT WHAT TIME” prompt, type **T@2300** and press Enter.
5. At the “QUEUED TO RUN ON VOLUME SET” prompt, type your site volume set and press Enter. The namespace must be in the Kernel site parameters as a volume set.
6. At the “COMMAND” prompt, type **S** to save and press Enter.

```
Select OPTION NAME: XUTM MGR       Taskman Management


          Schedule/Unschedule Options
          One-time Option Queue
          Taskman Management Utilities ...
          List Tasks
          Dequeue Tasks
          Requeue Tasks
          Delete Tasks
          Print Options that are Scheduled to run
          Cleanup Task List
          Print Options Recommended for Queueing

Select Taskman Management Option: Schedule/Unschedule Options

Select OPTION to schedule or reschedule: AGMP MPI MISSING ICN TSK
  Are you adding 'AGMP ACK BCKGRND TSK' as
                          Edit Option Schedule
    Option Name: AGMP ACK BCKGRND TSK
    Menu Text: AGMP ACK BCKGRND                          TASK ID:

_____________________________________________________________________________

  QUEUED TO RUN AT WHAT TIME: MAY 6,2010@2300

DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET: <<Type the site's volume set>>

      RESCHEDULING FREQUENCY:

             TASK PARAMETERS:

            SPECIAL QUEUEING:

_____________________________________________________________________________
Exit     Save     Next Page     Refresh
```

```
Enter a command or '^' followed by a caption to jump to a specific field.
COMMAND: S                                      Press <PF1>H for help
Insert

Select OPTION to schedule or reschedule:
```

Figure 9-17: AGMP MPI MISSING ICN TSK scheduled in TaskMan

10.0 Wait for the OIT Help Desk

Once the initial load has been scheduled, stop and wait for the OIT Help Desk to verify that the initial load has completed successfully and it is okay to proceed with scheduling the background jobs.

> Do not proceed without the approval of the OIT Help Desk.
>
> Proceeding without OIT Help Desk approval may result in your database filling up and RPMS failing.

11.0 Verify Successful Initial Load

Once the OIT Help Desk has confirmed that the initial load has been fully received by the central MPI server, verify that each patient in your system has been assigned an Integration Control Number (ICN) by the MPI.

11.1 Run the MPI Report of ICNs Populated

Use TaskMan to run the MPI Report of ICNs Populated.

1. At the "Select OPTION NAME" prompt, type **AGMP** and select AGMP HLO MPI MANAGER OPTIONS.
2. At the "Select MPI Manager Options Option" prompt, type **RPT** to enter the MPI Reports menu.
3. At the "Select MPI Reports and Debug Option Option" prompt, type **ICN** to start the MPI Report of ICNs Populated.
4. Wait for the report to finish. You may not see any activity while the report is gathering its data.
5. The MPI Report of ICNs Populated displays the number of patients that have received ICNs and the number that have not received ICNs. If the number reported in "NUMBER NOT POPULATED" is greater than 50, there may be an issue that must be resolved before MPI installation may be completed. If the number reported is greater than 50, send the number to the OIT Help Desk for review before continuing.

> **Note**: If there are patients without ICNs, the MPI Report of ICNs Populated will display a list of these patients after the counts. If there are many patients in the list, it may be necessary to log the report to a file so the counts at the beginning of the report may be seen.

```
Select OPTION NAME: AGMP
     1   AGMP A08 BCKGRND UPDATE TSK       AGMP A08 BCKGRND
     2   AGMP ACK BCKGRND TSK       AGMP ACK BCKGRND
     3   AGMP HLO A28 ADD PATIENT       SEND A28 ADD PATIENT
     4   AGMP HLO MPI DIRECT CONNECT       SEND EXACT MATCH QUERY (VQQ-Q02)
     5   AGMP HLO MPI MANAGER OPTIONS       MPI Manager Options
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 5  AGMP HLO MPI MANAGER OPTIONS     MPI Manager Options



                              PATIENT REGISTRATION
```

```
                                YOUR HOSPITAL

                              MPI Manager Options



   DIR    SEND EXACT MATCH QUERY (VQQ-Q02)
   ADD    SEND A28 ADD PATIENT
   MRG    SEND A40 MERGE PATIENTS
   UPD    SEND A08 UPDATE
   MFN    PROCESS MFN AND SEND MFK
   VST    SEND A01/A03 MESSAGE
   RS     RESEND HL7 MESSAGE
   RVL    REVERSE LOAD
   RPT    MPI Reports and Debug option ...


Select MPI Manager Options Option: RPT  MPI Reports and Debug option



                              PATIENT REGISTRATION

                                 YOUR HOSPITAL

                           MPI Reports and Debug option



   ERR    MPI Msg ERR Report
   MFE    MPI Unsuccessful MFE Report
   ETA    MPI Event/Type/Ack Report
   DAT    MPI Messages by Date
   TOT    MPI Queue and msg Totals
   ICN    MPI Report of ICNs populated


Select MPI Reports and Debug option Option: ICN  MPI Report of ICNs
populated



                              PATIENT REGISTRATION

                                 YOUR HOSPITAL

                           MPI Report of ICNs populated


NUMBER OF ICNs POPULATED: 31178
NUMBER NOT POPULATED: 0

Enter RETURN to continue or '^' to exit:
```

Figure 11-1: MPI Report of ICNs Populated

12.0 Schedule Background Tasks

> **Note**: Do not schedule these options until you are ready to start the MPI. Before you start, coordinate with the OIT Help Desk to make sure that the Enterprise MPI is ready to receive messages from your site.

The following five tasks must be scheduled in TaskMan:

1. AGMP MPI MISSING ICN TSK
2. AGMP A08 BCKGRND TSK
3. AGMP ACK BCKGRND TSK
4. AGMP MPI PURGE HLO MSGS
5. VAFH PIVOT PURGE.

The AGMP ACK BCKGRND TSK task was scheduled to run in Section 9.1. This section describes how to schedule the remaining four tasks and what scheduling options to enter for each task.

> **Note**: The initial upload must be scheduled first. The OIT Help Desk *must* confirm that the original upload completed successfully before you schedule these tasks.

12.1 Schedule the AGMP MPI MISSING ICN TSK Task

Use TaskMan to schedule the AGMP MPI MISSING ICN TSK task to run every day.

1. At the "Select OPTION NAME" prompt, type **XUTM MGR** for TaskMan Management and press Enter.
2. At the "Select Taskman Management Option" prompt, type **Schedule** and press Enter.
3. At the "Select OPTION to schedule or reschedule" prompt, type **AGMP MPI MISSING ICN TSK** and press Enter.
4. At the "QUEUED TO RUN AT WHAT TIME" prompt, type **T@2300** and press Enter.
5. At the "QUEUED TO RUN ON VOLUME SET" prompt, type your site volume set and press Enter. The namespace must be in the Kernel site parameters as a volume set.

6. At the “RESCHEDULING FREQUENCY” prompt, type **1D** and press Enter.
7. At the “SPECIAL QUEUEING” prompt, type **STARTUP** and press Enter.
8. At the “COMMAND” prompt, type **S** to save and press Enter.

```
Select OPTION NAME: XUTM MGR       Taskman Management


          Schedule/Unschedule Options
          One-time Option Queue
          Taskman Management Utilities ...
          List Tasks
          Dequeue Tasks
          Requeue Tasks
          Delete Tasks
          Print Options that are Scheduled to run
          Cleanup Task List
          Print Options Recommended for Queueing

Select Taskman Management Option: Schedule/Unschedule Options

Select OPTION to schedule or reschedule: AGMP MPI MISSING ICN TSK
  Are you adding 'AGMP ACK BCKGRND TSK' as
                        Edit Option Schedule
    Option Name: AGMP ACK BCKGRND TSK
    Menu Text: AGMP ACK BCKGRND                          TASK ID:

_____________________________________________________________________________

  QUEUED TO RUN AT WHAT TIME: MAY 6,2010@2300

DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET: <<Type the site's volume set>>

      RESCHEDULING FREQUENCY: 1D

             TASK PARAMETERS:

            SPECIAL QUEUEING: STARTUP

_____________________________________________________________________________
Exit     Save     Next Page     Refresh

Enter a command or '^' followed by a caption to jump to a specific field.
COMMAND: S                                      Press <PF1>H for help
Insert

Select OPTION to schedule or reschedule:
```

Figure 12-1: AGMP MPI MISSING ICN TSK scheduled in TaskMan

12.2 Schedule the AGMP A08 BCKGRND UPDATE TSK Task

Use TaskMan to schedule the AGMP A08 BCKGRND UPDATE TSK task.

1. At the “Select OPTION NAME” prompt, type **XUTM MGR** to select TaskMan Management and press Enter.
2. At the “Select Taskman Management Option” prompt, type **Schedule** and press Enter.
3. At the “Select OPTION to schedule or reschedule” prompt, type **AGMP A08 BCKGRND UPDATE TSK** and press Enter.
4. At the “QUEUED TO RUN AT WHAT TIME” prompt, type **T@0800** and press Enter.
5. At the **QUEUED TO RUN ON VOLUME SET** prompt, type your site volume set and press Enter. The namespace must be in the Kernel site parameters as a volume set.
6. At the “RESCHEDULING FREQUENCY” prompt, type **300S** and press Enter.
7. At the “SPECIAL QUEUEING” prompt, type **STARTUP** and press Enter.
8. At the “COMMAND” prompt, type **S** to save and press Enter.

```
Select OPTION NAME: XUTM MGR       Taskman Management


          Schedule/Unschedule Options
          One-time Option Queue
          Taskman Management Utilities ...
          List Tasks
          Dequeue Tasks
          Requeue Tasks
          Delete Tasks
          Print Options that are Scheduled to run
          Cleanup Task List
          Print Options Recommended for Queueing

Select Taskman Management Option: Schedule/Unschedule Options

Select OPTION to schedule or reschedule: AGMP A08 BCKGRND UPDATE
  Are you adding 'AGMP A08 BCKGRND UPDATE TSK' as
                          Edit Option Schedule
    Option Name: AGMP A08 BCKGRND UPDATE TSK
    Menu Text: AGMP A08 BCKGRND                          TASK ID:
_____________________________________________________________________________

  QUEUED TO RUN AT WHAT TIME: MAY 6,2010@8:00

DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET: <<Type the site's volume set>>

      RESCHEDULING FREQUENCY: 300S

             TASK PARAMETERS:
```

```
            SPECIAL QUEUEING: STARTUP

_____________________________________________________________________________
Exit     Save     Next Page     Refresh

Enter a command or '^' followed by a caption to jump to a specific field.
COMMAND: S
```

Figure 12-2: AGMP A08 BCKGRND UPDATE TSK scheduled in TaskMan

12.3 Schedule the AGMP MPI PURGE HLO MSGS task

Use TaskMan to schedule the PURGE HLO MSGS task.

1. At the “Select OPTION NAME” prompt, type **XUTM MGR** for Taskman Management and press Enter.
2. At the “Select Taskman Management Option” prompt, type **Schedule/Unschedule Options** and press Enter.
3. At the “Select OPTION to schedule or reschedule” prompt, type **AGMP MPI PURGE HLO MSGS** and press Enter.
4. At the “Are you adding 'AGMP MPI PURGE HLO MSGS' as A NEW OPTION?” prompt, type **Yes** and press Enter.
5. At the “QUEUED TO RUN AT WHAT TIME” prompt, schedule this task to run on a weekend morning. The time must be at least two minutes in the future and must be in a valid FileMan format, such as 2/28/2013@8:00.
6. At the “QUEUED TO RUN ON VOLUME SET” prompt, enter your site’s production namespace and press Enter. The namespace must be in the Kernel site parameters as a volume set.
7. At the “RESCHEDULING FREQUENCY” prompt, type **7D** and press Enter.
8. At the “Command” prompt, type **S** (Save) and press Enter.

```
Select OPTION NAME: XUTM MGR       Taskman Management


          Schedule/Unschedule Options
          One-time Option Queue
          Taskman Management Utilities ...
          List Tasks
          Dequeue Tasks
          Requeue Tasks
          Delete Tasks
          Print Options that are Scheduled to run
          Cleanup Task List
          Print Options Recommended for Queueing
```

```
You have 1 PENDING ALERTS
          Enter  "VA to jump to VIEW ALERTS option

Select Taskman Management Option: Schedule/Unschedule Options

Select OPTION to schedule or reschedule: AGMP MPI PURGE HLO MSGS
PURGE HLO
 MESSAGES
  Are you adding 'AGMP MPI PURGE HLO MSGS' as A NEW OPTION? YES
                          Edit Option Schedule
    Option Name: AGMP MPI PURGE HLO MSGS
    Menu Text: PURGE HLO MESSAGES                        TASK ID:


_____________________________________________________________________________

  QUEUED TO RUN AT WHAT TIME: JUN 26,2010@08:00

DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET: <<Type your site's production namespace>>

      RESCHEDULING FREQUENCY: 7D

             TASK PARAMETERS:

            SPECIAL QUEUEING:


_____________________________________________________________________________
Exit     Save     Next Page     Refresh

Enter a command or '^' followed by a caption to jump to a specific field.
```

Figure 12-3: AGMP MPI PURGE HLO MSGS scheduled in TaskMan

12.4 Schedule the VAFH PIVOT PURGE Task

Use TaskMan to schedule the VAFH PIVOT PURGE task.

1. At the "Select OPTION NAME" prompt, type **XUTM MGR** for Taskman Management and press Enter.
2. At the "Select Taskman Management Option" prompt, type **Schedule** and press Enter.
3. At the "Select OPTION to schedule or reschedule" prompt, type **VAFH PIVOT PURGE'** and press Enter.
4. At the "QUEUED TO RUN AT WHAT TIME" prompt, schedule this task to run on a weekend morning. The time must be at least two minutes in the future and must be in a valid FileMan format, such as 2/28/2013@8:00.
5. At the "QUEUED TO RUN ON VOLUME SET" prompt, type your site volume set and press Enter. The namespace must be in the Kernel site parameters as a volume set.

6. At the “RESCHEDULING FREQUENCY” prompt, type **7D** and press Enter.
7. At the “SPECIAL QUEUEING” prompt, type **STARTUP** and press Enter.
8. At the “COMMAND” prompt, type **S** to save and press Enter.

It is suggested this task be run on the weekend.

```
Select OPTION NAME: XUTM MGR       Taskman Management


          Schedule/Unschedule Options
          One-time Option Queue
          Taskman Management Utilities ...
          List Tasks
          Dequeue Tasks
          Requeue Tasks
          Delete Tasks
          Print Options that are Scheduled to run
          Cleanup Task List
          Print Options Recommended for Queueing

Select Taskman Management Option: Schedule/Unschedule Options

Select OPTION to schedule or reschedule: VAFH PIVOT PURGE
  Are you adding VAFH PIVOT PURGE' as
                          Edit Option Schedule
    Option Name: VAFH PIVOT PURGE
    Menu Text: Purge PIMS HL7 PIVOT file             TASK ID:
 ____________________________________________________________________________

  QUEUED TO RUN AT WHAT TIME: JUNE 26,2010@08:00

DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET: <<Type the site's volume set>>

      RESCHEDULING FREQUENCY: 7D

              TASK PARAMETERS:

             SPECIAL QUEUEING: STARTUP


____________________________________________________________________________
Exit     Save     Next Page     Refresh

Enter a command or '^' followed by a caption to jump to a specific field.
COMMAND: S                                 Press <PF1>H for help    Insert

Select OPTION to schedule or reschedule:
```

Figure 12-4: VAFH PIVOT PURGE scheduled in TaskMan

```
NAME: VAFH PIVOT PURGE                 MENU TEXT: Purge PIMS HL7 PIVOT
file
  TYPE: run routine                    CREATOR: FRAZIER,TIM
```

```
 DESCRIPTION:   This option will purge all entries from the PIMS HL7 PIVOT
file (#391.71) that are older than a specific number of days as determined
by the site.  There is no user input required.

 A field in the MAS PARAMETERS file (#43) is used in conjunction with this
option.  The name of the field is PIVOT FILE DAYS TO RETAIN and the field
number is 391.702.  The field may be updated with a numeric value between
30 and 999 using the Enter/Edit option of VA FileMan.  This value
represents the number of days worth of data to retain in file #391.71 when
the VAFH PIVOT PURGE option is run.

 For example, if the site updates this field with a value of 100, then any
record with a date earlier than TODAY-100 days will be deleted during the
purge.  If the site does not update this field (i.e., the field value
remains null), then the VAFH PIVOT PURGE option will use a default value of
547 days (approximately 18 months).

 However, before any file #391.71 record is deleted two checks will be
performed on the record.  (1) If the internal entry number of the record
exists in the "AXMIT" cross-reference, it will not be deleted.  (2) If the
TYPE OF EVENT field (#.04) of the record is "1" (i.e., INPATIENT EVENTS)
and if the PATIENT MOVEMENT file (#405) does not reflect a discharge for
the admission, the file #391.71 record will not be deleted.

  ROUTINE: EN^VAFHPURG
  UPPERCASE MENU TEXT: PURGE PIMS HL7 PIVOT FILE
```

Figure 12-5: VAFH PIVOT PURGE description

Appendix A: Standard Ensemble Production Settings

The following are the standard Ensemble production settings. These settings may be used as a reference to verify that the MPI production is configured correctly. Italicized settings have values that are site specific and must be given the correct value for your site.

A.1 Production Settings Pane

The **Production Settings** pane is displayed when nothing has been selected in the top pane of the **Ensemble Production Configuration** page.

Table A-1 lists the default values of the settings on the **Production Settings** pane.

> **Note**: The settings in Table A-1 are provided for informational purposes only.
>
> *The default settings on the Production Settings pane of the AGMPI.PatientRegistration Ensemble Production Configuration page should not be changed.*

Table A-1: Settings on the AGMPI Production Settings Configuration Pane

Setting	Value	Comments
Name	AGMPI.PatientRegistration	The package name (AGMPI) and the production name (PatientRegistration) separated by a period. (This setting should not be changed.)
Description	This production transports messages between RPMS Patient Registration and central IHS MPI.	(This setting should not be changed.)
Actor Pool Size	2	The number of Actor jobs available to execute Business Process (BP) instances. (This setting should not be changed.)
Testing Enabled	Cleared	The Testing Service is not enabled for this production. (This setting should not be changed.)
Log Unassigned Trace Events	Selected	Trace events that do not belong to any configuration item are logged. (This setting should not be changed.)

Setting	Value	Comments
ShutdownTimeout	120	The amount of time required for a click on **Stop Production** to succeed. (This setting should not be changed.)
UpdateTimeout	10	The amount of time required for production updates to succeed. (This setting should not be changed.)

A.2 RPMSInbound Settings

Table A-2: Settings on the AGMPI RPMSInBound Configuration Pane

Setting	Value	Comments
Name	RPMSInbound	(This setting should not be changed.)
Comment	Retrieve messages from the HLA and HLB globals	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	AGMPI.Services.RPMS	(This setting should not be changed.)
Description	A business service that receives messages from the RPMS system via the HLOGlobal Inbound Adapter	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	This item is not run in a foreground process. (This setting should not be changed.)

Setting	Value	Comments
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Adapter Class	AGMPI.Adapters. HLOGlobalInbound	Name of the Adapter class declared in the Business class for this item. (This setting should not be changed.)
Target Config Names	AGMPI. RPMSMessageRouting	The Business host where messages are sent. (This setting should not be changed.)
Search Table Class	EnsLib.HL7. SearchTable	The set of searchable properties associated with each HL7 message processed. (This setting should not be changed.)
Local Facility Application	ISC:EnsembleHL7	The LocalFacility:LocalApplication codes representing this (receiving) facility and application, separated by a colon. Used as SendingFacility and SendApplication in reply ACK message headers. (This setting should not be changed.)
Framing	Flexible	The HL7 inbound message framing protocol. Flexible = Determine framing style from the content of received data. (This setting should not be changed.)
Ack mode	Never	Controls ACK handling. Never = do not send back any ACK. (This setting should not be changed.)

Setting	Value	Comments
Use Ack Commit Codes	False	Use legacy-mode 'Ax' codes. (This setting should not be changed.)
IgnoreInboundAck	False	Ignore inbound ACK messages to avoid ACK feedback loop. This setting has no effect on this inbound adapter/service since it does not receive or send ACK messages to RPMS. (This setting should not be changed.)
AddNackERR	False	Do not add an ERR error code segment when generating NACK messages. (Not used for this service since it does not send NACK/ACK messages.) (This setting should not be changed.)
NackErrorCode	ContentIE	(This setting should not be changed.)
BatchHandling	Single-Session Batch	RPMS is not sending batched messages. (This setting should not be changed.)
Message Schema Category	AGMPI.RPMS	Category to apply to incoming message types to produce a complete DocType specification. Combines with document type name (MSH:9) to produce a MessageType specification, which is used to look up a MessageStructure/DocType in the MessageTypes section of the given HL7 schema category. (This setting should not be changed.)
DefCharEncoding	Latin1	The default character encoding used when reading or writing HL7 messages. (This setting should not be changed.)
Alert Grace Period	5	When **Alert On Error** is set to True, refrain from alerting if the error is not from ProcessInput() and the service succeeds again within this number of seconds. (This setting should not be changed.)
Alert On Error	True	Send an alert message whenever an error occurs. (This setting should not be changed.)

Setting	Value	Comments
Archive IO	False	The adapter does not log each input and output communication with the external system to the Ensemble I/O archive. (This setting should not be changed.)
Receiving Facility Name	MPI	Name of receiving facility on which to filter HL7 messages within the HLOGlobalInbound adapter.
MaxNmbrMsgs	50	Maximum number of messages processed in each polling interval. At some sites this value may need to be adjusted, depending on the number of messages received and/or processed and the processing power of the server running the EIE. In most cases, this setting will only affect the initial patient upload when large numbers of records may be processed. This value can also be modified using the EIE Management Portal.
Throttle	1000	The amount of time to delay after processing each message; used to manage throughput. 1000 = 1 second of delay between each message processed. At some sites this value may need to be adjusted to improve performance. This value can also be modified using the EIE Management Portal.
Site ID	<Installation site ID>	Type your Station Number in this field and press **Apply**.
Call Interval	5	Minimum interval between invocations of the adapter by the Ensemble framework. For adapters that poll for external events, this is the polling interval. This value can also be modified using the EIE Management Portal. (This setting should not be changed.)

A.3 MPIInbound Settings

The **Allowed IP Addresses** should be set to the value provided by the OIT Help Desk.

If you have multiple RPMS namespaces on the same server, then you must enter a unique port number in the 5201-5299 range for each RPMS namespace. Otherwise, the **Port** field should be set to 5201.

> **Note**: The value entered for the **Port** must be the same as the value entered during the KIDS installation. If you enter a port other than 5201, you must inform the OIT Help Desk what port number you are using, so the MPI server will send messages to the correct port.

Table A-3: MPIInbound Settings

Setting	Value	Comments
Name	MPIInbound	(This setting should not be changed.)
Comment	Accept messages from the MPI system via TCP/IP	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	EnsLib.HL7.Service. TCPService	(This setting should not be changed.)
Description	<blank>	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	This item is not run in a foreground process. (This setting should not be changed.)
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)

Setting	Value	Comments
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Adapter Class	EnsLib.HL7.Adapter. TCPInboundAdapter	Name of the Adapter class declared in the Business class for this item. (This setting should not be changed.)
Target Config Names	AGMPI. MessageRouting	The business host where messages are sent. (This setting should not be changed.)
Search Table Class	EnsLib.HL7.SearchTable	The set of searchable properties associated with each HL7 message processed. (This setting should not be changed.)
Local Facility Application	ISC:EnsembleHL7	The LocalFacility:LocalApplication codes representing this (receiving) facility and application, separated by a colon. Used as SendingFacility and SendApplication in reply ACK message headers. (This setting should not be changed.)
Framing	MLLP	The HL7 inbound message framing protocol. (This setting should not be changed.)
Ack mode	MSH-Determined	Controls ACK handling. MSH-Determined = Send back ACK reply messages as requested in the MSH header of the incoming message. (This setting should not be changed.)
Use Ack Commit Codes	True	If HL7 message VersionID is 2.3 or higher, use the “enhanced-mode” ACK “Commit” codes (“Cx”) in MSA:1 (“AcknowledgementCode”). (This setting should not be changed.)
IgnoreInboundAck	False	(This setting should not be changed.)

Setting	Value	Comments
AddNackERR	True	If a NACK message is sent (ACK with an error), the ERR code segment is added. (This setting should not be changed.)
NackErrorCode	ContentIE	(This setting should not be changed.)
BatchHandling	Single-Session Batch	MPI is not sending batched HL7 messages. (This setting should not be changed.)
Message Schema Category	AGMPI.MPI	Category to apply to incoming message types to produce a complete DocType specification. Combines with document type name (MSH:9) to produce a MessagType specification, which is used to look up a MessageStructure/DocType in the MessageTypes section of the given HL7 schema category. (This setting should not be changed.)
DefCharEncoding	Latin1	The default character encoding used when reading or writing HL7 messages. (This setting should not be changed.)
Alert Grace Period	5	When **Alert On Error** is set to True, refrain from alerting if the error is not from ProcessInput() and the service succeeds again within this number of seconds. (This setting should not be changed.)
Alert On Error	True	Send an alert message whenever an error occurs. (This setting should not be changed.)
Archive IO	False	The adapter does not log each input and output communication with the external system to the Ensemble I/O archive. (This setting should not be changed.)
Job Per Connection	False	A new job is not spawned to handle each incoming TCP connection. Multiple connections are not handled simultaneously. (This setting should not be changed.)
Allowed IP Addresses	The IP address of MPI server	Must be set to the IP address of the MPI server. After changing this setting, click **Apply**.

Setting	Value	Comments
QSize	0	Number of incoming connections for the operating system to hold open on behalf of MPI. Set to 0 if only one connection at a time is expected. Set to a large number if many clients will be connecting rapidly. (This setting should not be changed.)
Call Interval	5	Minimum interval between invocations of the adapter by the Ensemble framework. For adapters that poll for external events, this is the polling interval. (This setting should not be changed.)
Port	5201 for single namespace sites. A unique value in the 5201-5299 range for multi-namespace sites.	TCP port that listens for and accepts connections. This must match the MPI server's outbound message port. The default is 5201. After changing this setting, click **Apply**.
Stay Connected	60	Number of seconds to stay connected when idle. (This setting should not be changed.)
Read Timeout	5	Number of seconds to wait for each successive incoming TCP read following receipt of initial data from remote TCP port. (This setting should not be changed.)
SSL Config	<blank>	(This setting should not be changed.)

A.4 AGMPI.MPIMessageRouting Settings

Table A-4: AGMPI.MessageRouting Settings

Setting	Value	Comments
Name	AGMPIMessageRouting	(This setting should not be changed.)
Comment	Routes messages received from the MPI system.	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)

Setting	Value	Comments
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	EnsLib.HL7.MessageRouter.RoutingEngine	(This setting should not be changed.)
Description	<blank>	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	Do not run this item in a foreground process. (This setting should not be changed.)
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Local Facility Application	ISC:EnsembleHL7	The LocalFacility:LocalApplication codes representing this (receiving) facility and application, separated by a colon. Used as SendingFacility and SendApplication in reply ACK message headers. (This setting should not be changed.)
Ack Type	<blank>	Determines the ACK type, e.g., AA vs. CA, if constructing an ACK or NACK reply message locally. (This setting should not be changed.)

Setting	Value	Comments
NackCode	<blank>	Determines the NACK code type (e.g., AE vs. AR) if constructing a NACK reply message locally to report an error. (This setting should not be changed.)
AddNackERR	False	Do not add an ERR code segment to Nack (ACK with an error) messages. (This setting should not be changed.)
Validation	dm-z	d = require a DocType; m = do not tolerate BuildMap errors; -z = do not tolerate unrecognized trailing Z-segments. (This setting should not be changed.)
Business Rule Name	AGMPI.MPIMessageRouting	(This setting should not be changed.)
Alert on Bad Message	True	Send an alert if validation blocks a message. (This setting should not be changed.)
Bad Message Handler	BadMessage	Name of host that handles messages blocked by validation. (This setting should not be changed.)
Response From	<blank>	No reply will be requested from any target. A message is ACKed when it is received from the MPI system. (This setting should not be changed.)
Response Target Config Names	<blank>	Names a destination or destinations, in addition to the caller, to which responses are forwarded. Left blank because no ACKs are being received or created. (This setting should not be changed.)
Response Timeout	-1	This setting has no effect if **ResponseFrom** is empty. (This setting should not be changed. Note that the setting is *negative* 1.)
ForceSyncSend	False	Do not make synchronous calls for “send” actions. (This setting should not be changed.)

Setting	Value	Comments
ReplyCodeActions	<blank>	A comma-separated list of codes specifying what action this Process will take on various reply status conditions. (This setting should not be changed.)
Reply Interval	5	How frequently to retry access to the output system. (This setting should not be changed.)
Alert Retry Grace Period	0	When AlertOnError is True and the process is retrying, refrain from alerting if the process succeeds within this number of seconds after an error. (This setting should not be changed.)
Failure Timeout	15	How long to keep retrying before giving up and returning an error code. (This setting should not be changed.)
Alert On Error	True	Send an alert message whenever an error occurs. (This setting should not be changed.)

A.5 AGMPI.RPMSMessageRouting Settings

Table A-5: AGMPI.RPMSMessageRouting Settings

Setting	Value	Comments
Name	AGMPI. RPMSMessageRouting	(This setting should not be changed.)
Comment	Routes messages received from the RPMS system	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	EnsLib.HL7.MsgRouter. RoutingEngine	(This setting should not be changed.)
Description	<blank>	(This setting should not be changed.)

Setting	Value	Comments
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	Do not run this item in a foreground process. (This setting should not be changed.)
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Local Facility Application	ISC:EnsembleHL7	The LocalFacility:LocalApplication codes representing this (receiving) facility and application, separated by a colon. Used as SendingFacility and SendApplication in reply ACK message headers. (This setting should not be changed.)
Ack Type	Application	Determines the ACK type (e.g., AA vs. CA) if constructing an ACK or NACK reply message locally. (This setting should not be changed.)
NackCode	Error	Determines the NACK code type (e.g., AE vs. AR) if constructing a NACK reply message locally to report an error. (This setting should not be changed.)
AddNackErr	False	Do not add an ERR code segment to Nack (ACK with an error) messages. (This setting should not be changed.)

Setting	Value	Comments
Validation	dm-z	d = require a DocType; m = do not tolerate BuildMap errors; -z = do not tolerate unrecognized trailing Z-segments. (This setting should not be changed.)
Business Rule Name	AGMPI. RPMSMessageRouting	(This setting should not be changed.)
Alert on Bad Message	True	Send an alert if validation blocks a message. (This setting should not be changed.)
Bad Message Handler	BadMessages	Name of host that handles messages blocked by validation. (This setting should not be changed.)
Response From	MPIOutbound	The target an ACK response should be forwarded to. (This setting should not be changed.)
Response Target Config Names	RPMSOutbound	The destination or destinations, in addition to the caller, to which responses are forwarded. (This setting should not be changed.)
Response TimeOut	-1	This setting has no effect if **ResponseFrom** is empty. (This setting should not be changed. Note that the setting is *negative* 1.)
ForceSyncSend	False	Do not make synchronous calls for "send" actions. (This setting should not be changed.)
ReplyCode Actions	<blank>	(This setting should not be changed.)
Retry Interval	5	(This setting should not be changed.)
Alert Retry Grace Period	0	(This setting should not be changed.)
Failure Timeout	15	(This setting should not be changed.)
Alert On Error	True	Send an alert message whenever an error occurs. (This setting should not be changed.)

A.6 Ens.Alert Settings

Table A-6: Ens.Alert settings

Setting	Value	Comments
Name	Ens.Alert	(This setting should not be changed.)
Comment	This handles Alert routing logic.	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	AGMPI.Processes. AlertProcess	(This setting should not be changed.)
Description	<blank>	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	Do not run this item in a foreground process. (This setting should not be changed.)
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	0	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
ReplyCodeActions	<blank>	(This setting should not be changed.)
Retry Interval	5	(This setting should not be changed.)

Setting	Value	Comments
Alert Retry Grace Period	0	(This setting should not be changed.)
Failure Timeout	15	(This setting should not be changed.)
Alert On Error	False	Do not send an alert message when an error occurs. (This setting should not be changed.)

A.7 RPMSOutBound Settings

Table A-7: RPMSOutbound Settings

Setting	Value	Comments
Name	RPMSOutbound	(This setting should not be changed.)
Comment	Place the HL7 message into the HLA and HLB globals	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	AGMPI.Operations.RPMS	(This setting should not be changed.)
Description	The outbound operation that communicates with the RPMS system	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	Do not run this item in a foreground process. (This setting should not be changed.)

Setting	Value	Comments
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Adapter Class	AGMPI.Adapters. HLOGlobal Outbound	The name of the Adapter class declared in the Business class for this item. (This setting should not be changed.)
Separators	|^~\&	The string of separator characters to use in encoding outbound messages. The order is FS, CS, RS, ESC, SS. (This setting should not be changed.)
Search Table Class	<blank>	No search table is being used. (This setting should not be changed.)
DefCharEncoding	Latin1	The default character encoding used when reading or writing HL7 messages. (This setting should not be changed.)
ReplyCode Actions	<blank>	(This setting should not be changed.)
Retry Interval	5	How frequently to retry access to the output system. (This setting should not be changed.)
Alert Retry Grace Period	5	When **Alert On Error** is set to True, refrain from alerting if the error is not from ProcessInput() and the service succeeds again within this number of seconds. (This setting should not be changed.)

Setting	Value	Comments
Failure Timeout	-1	How long to keep retrying before giving up and returning an error code. (This setting should not be changed.)
Alert On Error	True	Send an alert message whenever an error occurs here. (This setting should not be changed.)
Archive IO	False	The adapter does not log each input and output communication with the external system to the Ensemble I/O archive. (This setting should not be changed.)
Framing	MLLP	Minimal Lower Level Protocol. Frame each HL7 message with ASCII(11) prefix and ASCII(28,13) suffix. (This setting should not be changed.)
SiteID	Station Number	Station Number. After changing this setting, click **Apply**.
LLink	RPMS-MPI	Logical link between the two systems. This value should match the name used in the HLO Application Registry file. The default is RPMS-MPI

A.8 MPIOutBound Settings

Note: The **IP Address** and **Port** fields should be set to the values provided to you by the OIT Help Desk.

Table A-8: MPIOutbound Settings

Setting	Value	Comments
Name	MPIOutbound	(This setting should not be changed.)
Comment	Sends the HL7 messages to the MPI system via TCP/IP	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)

Setting	Value	Comments
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	EnsLib.HL7.Operation. TCPOperation	(This setting should not be changed.)
Description	Accepts HL7 Messages and forwards them to a remote IP address, reading a response HL7 Message object returned from the remote IP address if the GetReply setting is enabled.	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	Do not run this item in a foreground process. (This setting should not be changed.)
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Adapter Class	EnsLib.HL7.Adapter. TCPOutboundAdapter	(This setting should not be changed.)

Setting	Value	Comments
ReplyCode Actions	<blank>	List of codes specifying actions to take on receipt of various types of ACK response messages. When left blank, MPI default action is to send “AA” in the MSA:1 field. (This setting should not be changed.)
NoFailwhileDisconnected	False	Do not suspend counting seconds toward FailureTimeout when disconnected. (This setting should not be changed.)
Separators	|^~\&	The string of separator characters to use in encoding outbound messages. The order is FS, CS, RS, ESC, SS. (This setting should not be changed.)
Search Table Class	<blank>	No search table is being used. (This setting should not be changed.)
DefCharEncoding	Latin1	The default character encoding used when reading or writing HL7 messages. (This setting should not be changed.)
Alert Retry Grace Period	5	When **Alert On Error** is set to True, refrain from alerting if the error is not from ProcessInput() and the service succeeds again within this number of seconds. (This setting should not be changed.)
Retry Interval	5	How frequently to retry access to the output system. (This setting should not be changed.)
Failure Timeout	-1	How long to keep retrying before giving up and returning an error code. (This setting should not be changed. Note that the setting is *negative* 1.)
Alert On Error	True	Send an alert message whenever an error occurs here. (This setting should not be changed.)

Setting	Value	Comments
Archive IO	False	The adapter does not log each input and output communication with the external system to the Ensemble I/O archive. (This setting should not be changed.)
Framing	MLLP	Minimal Lower Level Protocol. Frame each HL7 message with ASCII(11) prefix and ASCII(28,13) suffix. (This setting should not be changed.)
IP Address	The IP address of the MPI server	IP address of the MPI Server. After changing this setting, click **Apply**.
Port	The port number of the MPI server	Port number for the MPI Server Outbound messages. The default setting is 5200, but your value may be different. After changing this setting, click **Apply**.
Response Timeout	5	Number of seconds to wait for a response to begin arriving from the remote system after sending a request. (This setting should not be changed.)
Stay Connected	60	Number of seconds to stay connected when idle. (This setting should not be changed.)
Connect Timeout	5	Number of seconds to wait on each connection attempt. (This setting should not be changed.)
Reconnect Retry	5	Number of retries before dropping the connection and trying to reconnect again. If set to 0, never disconnect. (This setting should not be changed.)
Get Reply	True	Wait to read ACK or other reply message from socket before returning. (This setting should not be changed.)
Read Timeout	5	Number of seconds to wait for each successive incoming TCP read, following receipt of initial data from remote TCP port. (This setting should not be changed.)

Setting	Value	Comments
SSL Config	<blank>	The name of an existing Secure Socket Layer/Transport Layer Security (SSL/TLS) system configuration set to use SSL/TLS, configured using the system portal's Security Management page. May include a certificate password after a "|" character for inbound connections. Left blank because SSL is not being used. (This setting should not be changed.)

A.9 BadMessage Settings

Table A-9: BadMessage Configuration Settings

Setting	Value	Comments
Name	BadMessages	(This setting should not be changed.)
Comment	Bad messages are sent to this operation.	(This setting should not be changed.)
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	EnsLib.HL7.Operation. FileOperation	(This setting should not be changed.)
Description	<blank>	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)

Setting	Value	Comments
Foreground	Cleared	Do not run this item in a foreground process. (This setting should not be changed.)
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Adapter Class	EnsLib.File. OutboundAdapter	(This setting should not be changed.)
File Name	MPIBadMessageFile	Name of output file for bad messages. The default is blank.
AutoBatchParentSegs	False	No batch messages. (This setting should not be changed.)
Separators	|^~\&	The string of separator characters to use in encoding outbound messages. The order is FS, CS, RS, ESC, SS. (This setting should not be changed.)
Search Table Class	<blank>	No search table being used. (This setting should not be changed.)

Setting	Value	Comments
DefCharEncoding	Latin1	The default character encoding used when reading or writing HL7 messages. (This setting should not be changed.)
ReplyCodeActions	<blank>	(This setting should not be changed.)
Retry Interval	5	How frequently to retry access to the output system. (This setting should not be changed.)
Alert Retry Grace Period	5	When **Alert On Error** is set to True, refrain from alerting if the error is not from ProcessInput() and the service succeeds again within this number of seconds. (This setting should not be changed.)
Failure Timeout	-1	How long to keep retrying before giving up and returning an error code. (This setting should not be changed.)
Alert On Error	True	Send an Alert message whenever an error occurs here. (This setting should not be changed.)
Archive IO	False	The adapter does not log each input and output communication with the external system to the Ensemble I/O archive. (This setting should not be changed.)
Framing	AsciiLF	Frame each HL7 message with ASCII(10) (Linefeed) separating each message from the next. (This setting should not be changed.)

Setting	Value	Comments
File Path	*<Path to server where EIE resides.>*	*Path to folder where bad messages are stored for later review. If blank, the default folder is "C:\TEMP on Windows systems and /tmp on UNIX systems. After changing this setting, click **Apply**.*
Overwrite	False	Append the file. (This setting should not be changed.)
Charset	Default	Character set used to translate output to the file. (This setting should not be changed.)
Open Timeout	5	Number of seconds to wait on each attempt to open the output file. (This setting should not be changed.)

A.10 EmailAlert Settings

> **Note:** Before e-mail alerts can be configured, credentials for a user with an Outlook e-mail account must be created on the **Credentials** page. Credentials are required to access applications outside of Ensemble.
>
> Credentials can be set up for any user with an Outlook e-mail account. See Section 5.12.1 for instructions on creating credentials.

Table A-10: EmailAlert Settings

Setting	Value	Comments
Name	EmailAlert	(This setting should not be changed.)
Comment	Send alerts via email.	Additional information pertaining to this business class. (This setting should not be changed.)

Setting	Value	Comments
Schedule	<blank>	The Start/Stop schedule associated with this item. (This setting should not be changed.)
Category	MPI	A grouping for pieces of a production that can be used to filter views for a production. (This setting should not be changed.)
Class	EnsLib.Email.AlertOperation	(This setting should not be changed.)
Description	Simple EMail Alert Operation. To handle Alert messages by sending an EMail, configure an Operation in your Production named Ens.Alert using this class. Ensemble sends all AlertRequest messages to whatever Production Item is named Ens.Alert. (If there is no item named Ens.Alert then all AlertRequest messages are merely recorded in the Ensemble Event Log.)	(This setting should not be changed.)
Enabled	Selected	This item is enabled when this production is started. (This setting should not be changed.)
Foreground	Cleared	Do not run this item in a foreground process. (This setting should not be changed.)
Log Trace Events	Selected	Logging of trace events is enabled for troubleshooting purposes. A global variable is used in conjunction with this setting to enable trace events for this production. (This setting should not be changed.)

Setting	Value	Comments
Inactivity Timeout	0	Number of seconds that can elapse without activity before this item is marked inactive. A setting of 0 disables the inactivity timeout function. (This setting should not be changed.)
Pool Size	1	Number of system jobs that must be allocated to run this business service. (This setting should not be changed.)
Adapter Class	EnsLib.File.OutboundAdapter	(This setting should not be changed.)
ReplyCodeActions	<blank>	(This setting should not be changed.)
Retry Interval	5	How frequently to retry access to the output system. (This setting should not be changed.)
Alert Retry Grace Period	5	When **Alert On Error** is set to True, refrain from alerting if the error is not from ProcessInput() and the service succeeds again within this number of seconds. (This setting should not be changed.)
Failure Timeout	25	How long to keep retrying before giving up and returning an error code. (This setting should not be changed.)

Setting	Value	Comments
Alert On Error	False	Do not send an Alert message when an error occurs here. (This setting should not be changed.)
Archive IO	False	The adapter does not log each input and output communication with the external system to the Ensemble I/O archive. (This setting should not be changed.)
SMTP Server	SMTPRE.IHS.GOV	IP address of SMTP server to send mail to. For IHS Direct Sites connected to the IHS.GOV Intranet, the default is SMTPRE.IHS.GOV Note: Timeouts for connecting and sending mail can be more than 10 minutes.
SMTP Port	25	The Port ID on the SMTP server to send mail to. (This setting should not be changed.)
Credentials	*<ID>*	*ID name of the credential set used to access the SMTP server. The default is blank*

Setting	Value	Comments
Recipient	MPIAlert@ihs.gov and other e-mail addresses, separated by semicolons	E-mail address(es) of a recipient or list of recipients that will be added to the To: list of each e-mail message sent. This is automatically generated when e-mail addresses are entered using the EIE Management Portal. MPIAlert@ihs.gov shall be included. Multiple addresses can be added. Addresses should be separated by semicolons. After changing this setting, click **Apply**.
CC	<one or more e-mail addresses>	E-mail address(es) of a recipient or list of recipients that will be added to the To: list of each e-mail message sent. This is automatically generated when e-mail addresses are entered using the EIE Management Portal. Multiple addresses can be included. Addresses should be separated by semicolons. After changing this setting, click **Apply**.
From	EnsembleAGMPI@MySiteName.IHS.GOV	The Site should be identified in the email address. Example: EnsembleAGMPI@MySiteName.IHS.GOV

Appendix B: Sample KIDS Installation

This section details the steps required to install the Patient Registration (MPI) Interface (AG) KIDS package. This is a new package with new routines, so there should not be anything on the system to back up or compare.

No options need to be taken out of service because the components to be added will not be directly added to any existing options. Be sure to rebuild the menu, because several new menus and options are added.

1. At the "Select OPTION NAME" prompt, type **XPD MAIN** for Kernel Installation and Distribution System and press Enter.
2. At the "Select Kernel Installation & Distribution System Option" prompt, type **I** (Installation) and press Enter to display the menu in Figure B-2.

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


     Edits and Distribution ...
     Utilities ...
     Installation ...  <- Choose this one


Select Kernel Installation & Distribution System Option: I
```

Figure B-1: Kernel Installation & Distribution System menu

```
   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
```

Figure B-2: Installation menu

B.1 Load a Distribution

1. At the "Select Installation Option" prompt, shown in Figure B-3, type **1** (Load a Distribution) and press Enter.
2. At the "Enter a Host File" prompt, type the location where the file resides on the server and press Enter.

   The name and location of the file will be different at each site.

3. At the "Want to Continue with Load?" prompt, press Enter to accept the default (Yes).
4. At the "Want to RUN the Environmental Check Routine?" prompt, press Enter to accept the default (Yes).
5. At the "Enter Yes or No" prompt (verification of station number), type **Y** (Yes) and press Enter.
6. At the "Enter RETURN to continue or '^' to exit" prompt, press Enter to continue.

```
Select Installation Option: 1  Load a Distribution
Enter a Host File: c:\temp\ag__0720.01k  <<Local folder where distribution is
stored>>

KIDS Distribution saved on Apr 14, 2010@13:28:26
Comment: v72

This Distribution contains Transport Globals for the following Package(s):
   AG*7.2*1
Distribution OK!

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

Build AG*7.2*1 has an Enviromental Check Routine
Want to RUN the Environment Check Routine? YES//
   AG*7.2*1
Will first run the Environment Check Routine, AG72ENMP


                             Hello, SYSTEM MANAGER

               Checking Environment for RPMS MPI CLIENT Software

             Need at least Kernel patch 1012....patch 1012 Present
                              Version 7.1 Present
               Need at least AUPN v 99.1.....AUPN v 99.1 Present
                Need at least AUT v 98.1.....AUT v 98.1 Present
                 Need at least DI v 22.0.....DI v 22.0 Present
             Need at least HL V1.6 patch 1006....patch 1006 Present

                 THE FOLLOWING STATION NUMBER WAS FOUND IN THE
                              INSTITUTION FILE: 10001
            PLEASE CONFIRM WITH THE OIT RPMS DBA THIS IS THE CORRECT
                 STATION NUMBER FOR 'DEMO IHS CLINIC' FACILITY?

Enter Yes or No: Y  YES

                                ENVIRONMENT OK.

Enter RETURN to continue or '^' to exit:
```

Figure B-3: Loading a distribution (Option 1)

B.2 Verify Checksums

The Verify Checksums in Transport Global option is shown in Figure B-4.

1. At the "Select Installation Option" prompt, type **2** (Verify Checksums in Transport Global) and press Enter.
2. At the "Select INSTALL NAME" prompt, type **AG*7.2*1** and press Enter.
3. At the "DEVICE" prompt, press Enter.

```
  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: AG*7.2*1       Loaded from Distribution     Loaded
from Distribution  4/29/10@11:56:11
     => v72  ;Created on Apr 14, 2010@13:28:26

This Distribution was loaded on Apr 29, 2010@11:56:11 with header of
   v72  ;Created on Apr 14, 2010@13:28:26
   It consisted of the following Install(s):
        AG*7.2*1
DEVICE: HOME//   Virtual

PACKAGE: AG*7.2*1     Apr 29, 2010 11:56 am
PAGE 1
-------------------------------------------------------------------------------


   18 Routine checked, 0 failed.
```

Figure B-4: Verify Checksums in Transport Global option (Option 2)

After verification of checksums, the line shown in Figure B-5 confirms that all pieces of the file were downloaded successfully. The critical piece of information is that none of the checked routines failed. If any items failed, reload the file by following the steps in section 4.1.

```
18 Routine checked, 0 failed.
```

Figure B-5: Example of checksum verification where all routines passed

B.3 Compare Transport Global to Current System

The Compare Transport Global to Current System option is shown in Figure B-6.

This step is suggested but is not mandatory. Opting to perform this step creates an audit trail that can be used to diagnose problems.

1. At the "Select Installation Option" prompt, type **4** (Compare Transport Global to Current System) and press Enter.
2. At the "Select INSTALL NAME" prompt, type **AG*7.2*1** and press Enter.
3. At the "Type of Compare" prompt, type **1** (Full Comparison) and press Enter.

> **Note:** Always choose a full comparison.

4. At the "DEVICE" prompt, press Enter to accept the default (Virtual).

```
   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: 4  Compare Transport Global to Current System
Select INSTALL NAME: AG*7.2*1       Loaded from Distribution     Loaded
from Distribution  4/29/10@11:56:11
     => v72  ;Created on Apr 14, 2010@13:28:26

This Distribution was loaded on Apr 29, 2010@11:56:11 with header of
   v72  ;Created on Apr 14, 2010@13:28:26
   It consisted of the following Install(s):
         AG*7.2*1

     Select one of the following:

          1         Full Comparison
          2         Second line of Routines only
          3         Routines only

Type of Compare: 1  Full Comparison
DEVICE: HOME//   Virtual
Compare AG*7.2*1 to current site
```

Figure B-6: Compare Transport Global to Current System option (Option 4)

B.4 Install Package

Install the package using the Install Package(s) option (option 6 on the Installation menu), as shown in Figure B-7. The system performs an environment check; the package will not be installed if other patches are missing.

1. At the "Select Installation Option" prompt, type **Install Package** and press Enter.

2. At the “Select INSTALL NAME” prompt, type **AG*7.2*1** and press Enter.
3. The system finds a station number. At the “Enter Yes or No” prompt, type **Yes** and press Enter if the station number is correct.
4. At the “Enter RETURN to continue or '^' to exit” prompt, press Enter to continue with the installation.
5. At the “Enter the Coordinator for Mail Group 'AGMP MPI'” prompt, type in the name of the MPI Coordinator and press Enter.
6. At the “Want KIDS to Rebuild Menu Trees Upon Completion of Install?” prompt press Enter to accept the default (Yes).
7. At the “Want KIDS to INHIBIT LOGONs during the install?” prompt, type **No** and press Enter.
8. At the “DEVICE” prompt, press Enter to accept the default and display the screen shown in Figure B-8.

```
   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: Install Package(s)
Select INSTALL NAME:    AG*7.2*1     Loaded from Distribution     Loaded
from Distribution  5/4/10@08:16:25
     => v72  ;Created on Apr 14, 2010@13:28:26

This Distribution was loaded on May 04, 2010@08:16:25 with header of
   v72  ;Created on Apr 14, 2010@13:28:26
   It consisted of the following Install(s):
         AG*7.2*1
Checking Install for Package AG*7.2*1
Will first run the Environment Check Routine, AG72ENMP


                                Hello, SITE MANAGER

               Checking Environment for RPMS MPI CLIENT Software

             Need at least Kernel patch 1012....patch 1012 Present
                  Need at least AG v 7.1.....AG v 7.2 Present
               Need at least AUPN v 99.1.....AUPN v 99.1 Present
                Need at least AUT v 98.1.....AUT v 98.1 Present
                 Need at least DI v 22.0.....DI v 22.0 Present
             Need at least HL V1.6 patch 1006....patch 1006 Present

Saving the configuration of option 'AGMENU'...
```

```
NOT SAVED.  Option 'AGMENU' has previously been saved.

                THE FOLLOWING STATION NUMBER WAS FOUND IN THE
                            INSTITUTION FILE: 14752
            PLEASE CONFIRM WITH THE OIT RPMS DBA THIS IS THE CORRECT
               STATION NUMBER FOR 'NOT-A-REAL FACILITY' FACILITY?

Enter Yes or No: YES

                                  ENVIRONMENT OK.

Enter RETURN to continue or '^' to exit:

Install Questions for AG*7.2*1

Incoming Files:


   391.71    ADT/HL7 PIVOT
Note:  You already have the 'ADT/HL7 PIVOT' File.


   391.72    ADT/HL7 EVENT REASON  (including data)
Note:  You already have the 'ADT/HL7 EVENT REASON' File.
I will OVERWRITE your data with mine.


   779.2     HLO APPLICATION REGISTRY  (including data)
Note:  You already have the 'HLO APPLICATION REGISTRY' File.
I will REPLACE your data with mine.


   9009061   REGISTRATION PARAMETERS
Note:  You already have the 'REGISTRATION PARAMETERS' File.

Incoming Mail Groups:

Enter the Coordinator for Mail Group 'AGMP MPI': <<Type the MPI Coordinator
name>>

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//


Want KIDS to INHIBIT LOGONs during the install? YES// 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
```

Figure B-7: Install option (Option 6)

9. At the “ENTER THIS SERVER'S IP ADDRESS” prompt, type your IP address and press Enter to begin the installation.

```
                                        AG*7.2*1
------------------------------------------------------------------------

 Installing PROTOCOL

 Installing OPTION
Installing PARAMETER DEFINITION
               May 04, 2010@08:16:57

 Running Post-Install Routine: POST^AG72ENMP

ENTER THIS SERVER'S IP ADDRESS: <<Type the site's IP address>>

ENTER THE SAME MPI LISTENER PORT ENTERED IN THE ENSEMBLE PRODUCTION.
IF YOU ARE A MULTI-NAMESPACE SITE, YOU MUST ENTER A UNIQUE LISTENER
PORT FOR EACH NAMESPACE YOU INSTALL AGMPI IN ON THIS SERVER.
ENTER MPI LISTENER PORT FOR THIS NAMESPACE:  (5201-5299): 5201//
<<Type the port>>
```

Figure B-8: Install option (continued)

When the screen shown in Figure B-9 appears, the installation is complete.

```
Build Distribution Date: Apr 14, 2010
 Installing Routines

 Running Pre-Install Routine: PRE^AG72ENMP
 Installing Data Dictionaries:        Apr 14, 2009@23:12:42

 Installing Data:
              Apr 29, 2010@11:58:06

 Installing PACKAGE COMPONENTS:

 Installing SECURITY KEY
Installing INPUT TEMPLATE
Installing MAIL GROUP
 Installing HL LOGICAL LINK
 Installing PROTOCOL
 Installing OPTION
 Installing PARAMETER DEFINITION       Apr 29, 2010@11:58:07


 Running Post-Install Routine: POST^AG72ENMP
Updating Routine file
 Updating KIDS files
 AG MPI INTERFACE 1.0 Installed.
         Jun 16, 2009@12:21:42

 NO Install Message sent

Install complete
```

Figure B-9: Installation of AGMP completed (Option 6)

B.5 Verify Package Integrity

After installation, it is recommended to verify package integrity. Follow the steps below as shown in Figure B-10.

1. At the "Select Kernel Installation & Distribution System Option" prompt, type **UTILITIES** and press Enter.
2. At the "Select Utilities Option" prompt, type **Verify Package Integrity** and press Enter.
3. At the "Select BUILD NAME" prompt, type **AG*7.2*1** and press Enter.
4. At the "DEVICE" prompt, press Enter to accept the default.

```
   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:

          Edits and Distribution ...
          Utilities ...
          Installation ...

Select Kernel Installation & Distribution System Option: UTILITIES

          Build File Print
          Install File Print
          Convert Loaded Package for Redistribution
          Display Patches for a Package
          Purge Build or Install Files
          Rollup Patches into a Build
          Update Routine File
          Verify a Build
          Verify Package Integrity

Select Utilities Option: Verify Package Integrity
Select BUILD NAME: AG*7.2*1     IHS PATIENT REGISTRATION     IHS PATIENT
REGISTRATION
DEVICE: HOME//   Virtual

PACKAGE: AG*7.2*1     May 05, 2010 4:35 pm                          PAGE
1
-------------------------------------------------------------------------------

   16 Routine checked, 0 failed.
```

Figure B-10: Verifying package integrity

5. After a system check, look for a line similar to the following:

```
16 Routine checked, 0 failed.
```

Each package will have a different number of routines installed, but it is critical that the number of failed routines is zero.

Appendix C: Using Ensemble's Task Manager

Use System Operation Task Manager to schedule, run, and review Ensemble tasks.

> **Note:** Task Manager will only be used to work with Purge tasks for the AGMPI production. No other Ensemble tasks should be used.

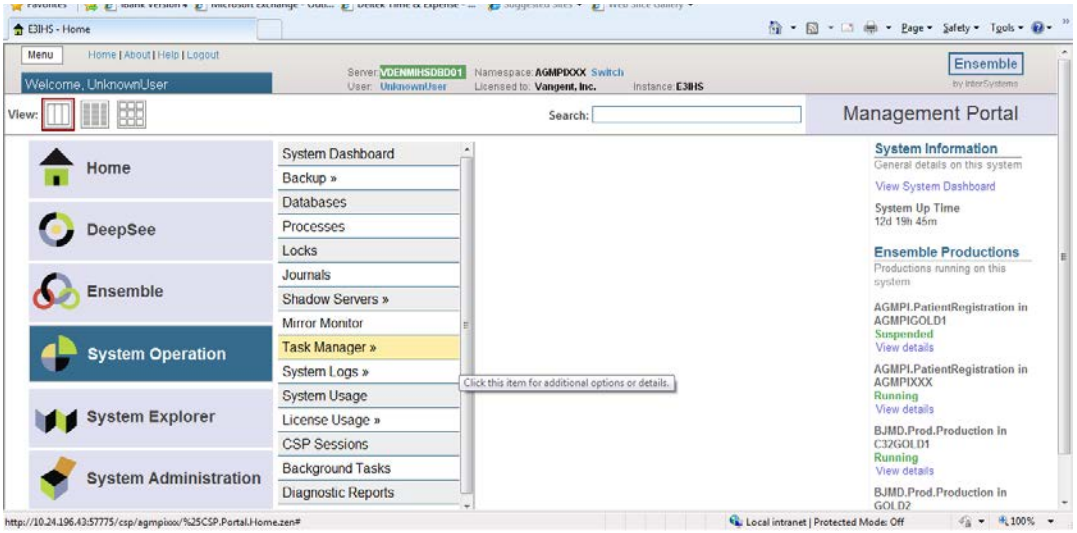

Figure C-1: **Management Portal** page with **Task Manager** highlighted

On the **Management Portal** page, click **System Operation**, then click **Task Manager** to display the Task Manager menu options, as shown in Figure C-2.

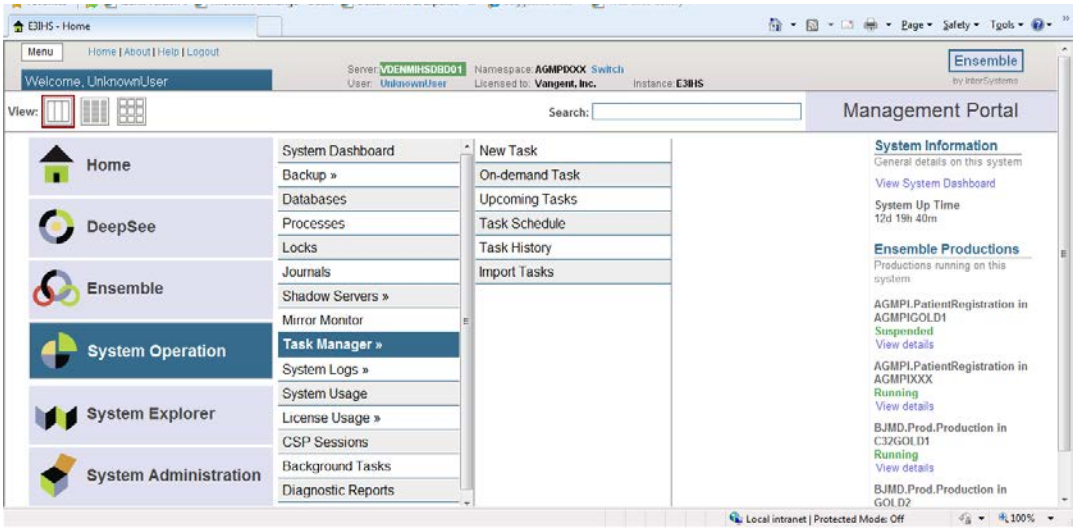

Figure C-2: **System Operation Task Manager** option

The following options are available in the **Task Manager Activities** menu:

- **New Task**
- **On-demand Task**
- **Upcoming Tasks**
- **Task Schedule**
- **Task History**
- **Import Tasks**

C.1 Navigating in the Task Manager

The **System Operation Task Manager** menu options provide access to other pages in the **Task Manager**.

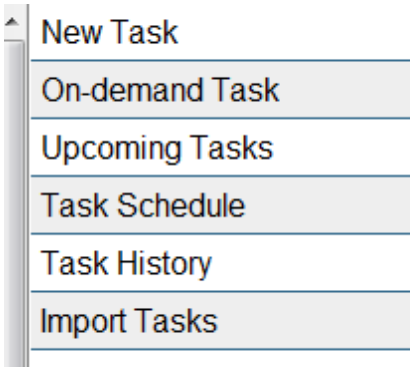

Figure C-3: **Task Manager** menu option

- **New Task**. Starts the Task Scheduler Wizard to create or edit a task.
- **On-demand Task**. Opens the **On-demand Tasks** page to view a list of on-demand tasks and execute them.
- **Upcoming Tasks**. Opens the **Upcoming Tasks** page to view a list of tasks scheduled to run in the next 24 hours.
- **Task Schedule**. Opens the **Task Schedule** page to view all tasks currently defined.
- **Task History**. Opens the **Task History** page to view a log of Task Manager activities.
- **Import Tasks**. Opens the **Import Task** page to import and run task by browsing to a previously-exported task file, then clicking **Perform Action Now**.

C.2 New Task

To schedule a new task, follow these steps:

1. Click the **New Task** option to start the **Task Scheduler Wizard**, as shown in Figure C-4.

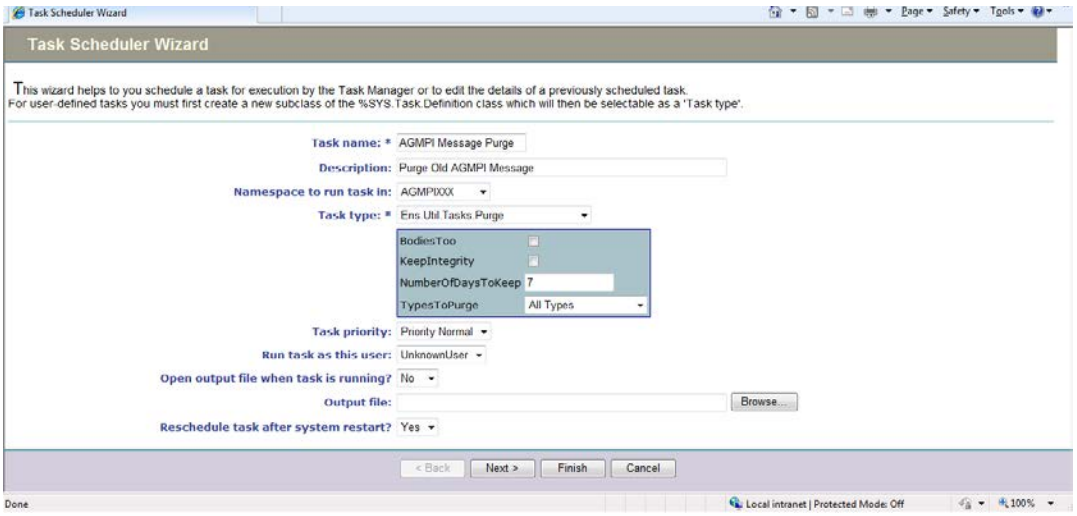

Figure C-4: **Task Scheduler Wizard** page

2. In the **Task name** field, enter a name to identify the task.
3. In the **Description** field, enter a description of the task**.**
4. In the **Namespace** list, select the namespace in which the task should run.
5. In the **Task type** list, select the task to be run.
6. Depending on the task selected in step 5, a box will appear with a list of options specific to that task. Select the appropriate options to configure the task.
7. In the **Task priority** list, select the priority the task should have when running. Normal is recommended for most tasks.
8. In the **Run task as this user** list, select the user account this task will run as. Be aware of the user permissions required for the task to ensure the task will not run into permission-related issues.
9. In the **Open output file** list, select Yes if the task generates output and you want to log the output to a file; otherwise, select No**.**
10. If you selected Yes in step 9, enter the file where the output will be placed in the **Output file** field**.**

11. In the **Reschedule task after system restart?** list, select Yes if you want the task to run when Ensemble is restarted in the event Ensemble is down at the scheduled run time; otherwise, select No.

12. Click **Next**.

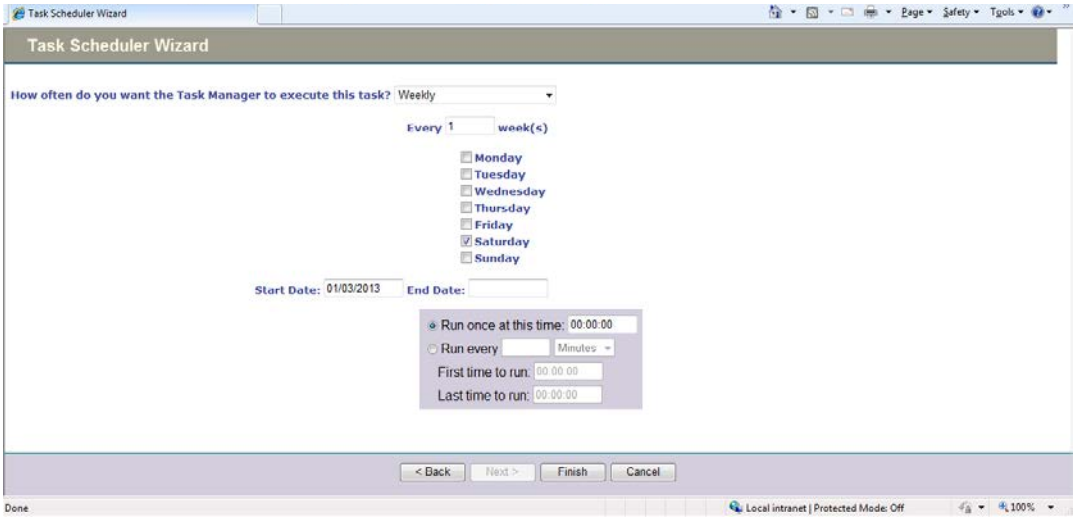

Figure C-5: Second **Task Scheduler Wizard** page

13. In the **How often do you want the Task Manager to execute this task?** list, select how often the task should be run, e.g., daily.

14. Depending on the frequency selected in step 13, there may be additional options for specifying when the task should be run. If On Demand was selected in step 13, there will be no other options to configure.

15. Click **Finish** to display the **Task Schedule** page with the new task at the bottom of the page, as shown in Figure C-6.

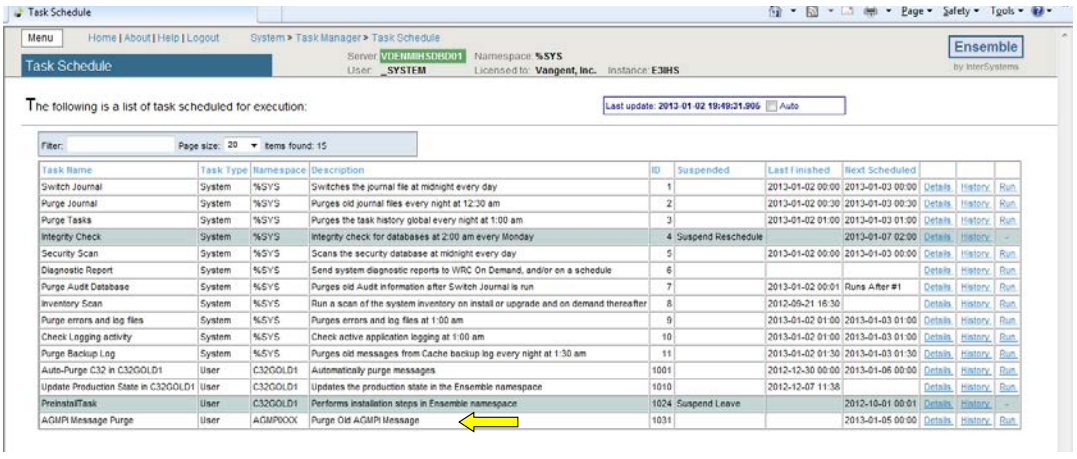

Figure C-6: **Task Schedule** page with new task displayed

C.3 On-demand Tasks

The **On-demand Tasks** page lists tasks that have been scheduled as on-demand tasks. For each task, the list includes the task name, a description, and an option to run the task from this page.

To run an on-demand task, follow these steps:

1. On the **Management Portal System Operation Task Manager** page, click **On-demand Task** to open the **On-demand Tasks** page, as shown in Figure C-7.

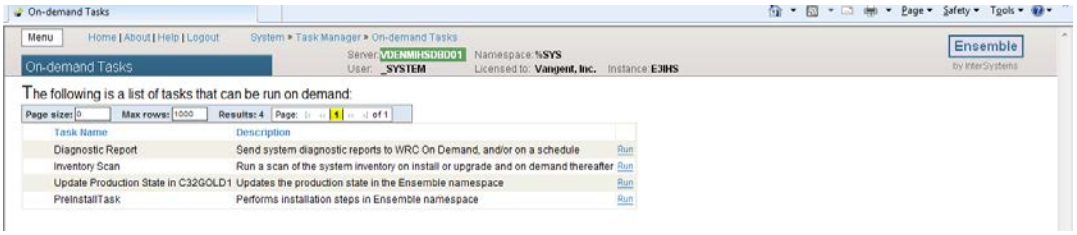

Figure C-7: **On-demand Tasks** page

2. Click the task's **Run** link to open the **Run Task Wizard** page, which displays the task name and ID and the date and time the task will run.

3. Click **Perform Action Now** to confirm the information and schedule the task.

C.4 Upcoming Tasks

The **Upcoming Tasks** page lists the tasks scheduled to run within the next 24 hours, as shown in Figure C-8.

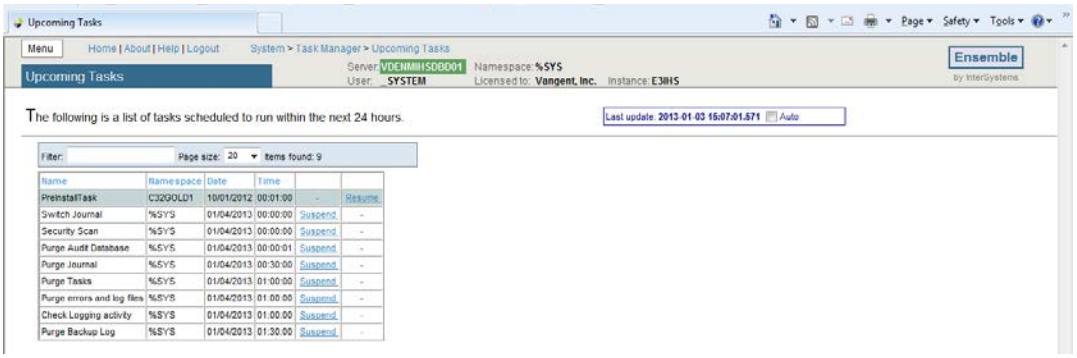

Figure C-8: **Upcoming Tasks** page

Suspend or resume the scheduling of a task by clicking the appropriate option.

- **Suspend**. Suspends the task and allows it to be rescheduled. Choose either **Yes** or **No** from the list.

  - No suspends the task indefinitely.
  - Yes suspends the task now, and resumes it when it is normally scheduled to run.
- **Resume**. Resumes a suspended task.

C.5 Task Schedule

The Task Schedule page lists all currently defined tasks, as shown in Figure C-9.

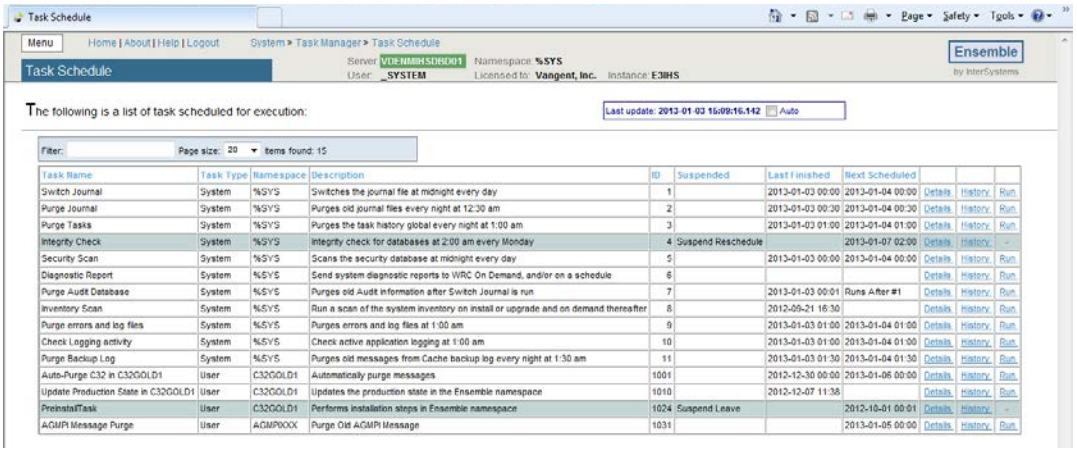

Figure C-9: **Task Schedule** page

View the details of a task, the task history, or run a scheduled task by clicking the appropriate link.

- **Details**. View and edit the details of the task in the **Task Details** page, as shown in Figure C-10.

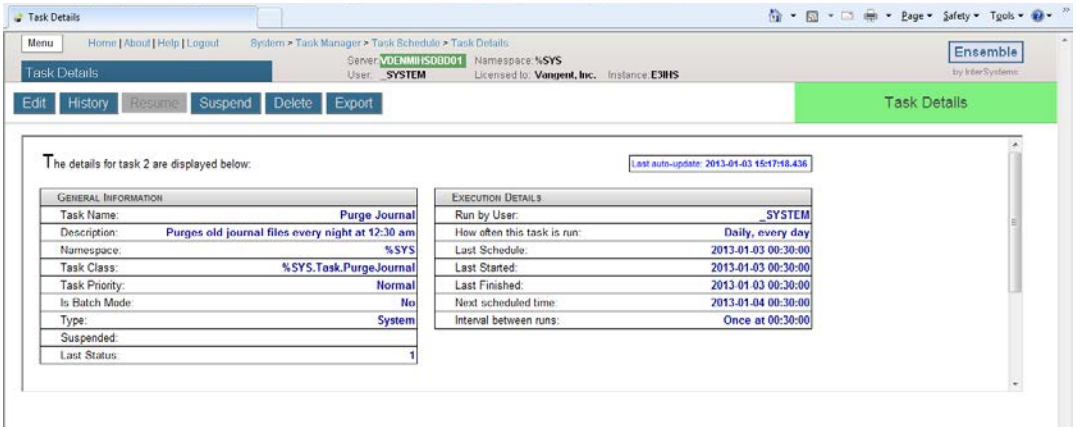

Figure C-10: **Task Details** page for **Purge Journal**

Click a field name to view details for that field in the **Details for selected item** area at the bottom left side of the page.

In Figure C-11, details are displayed for the **Suspended** field.

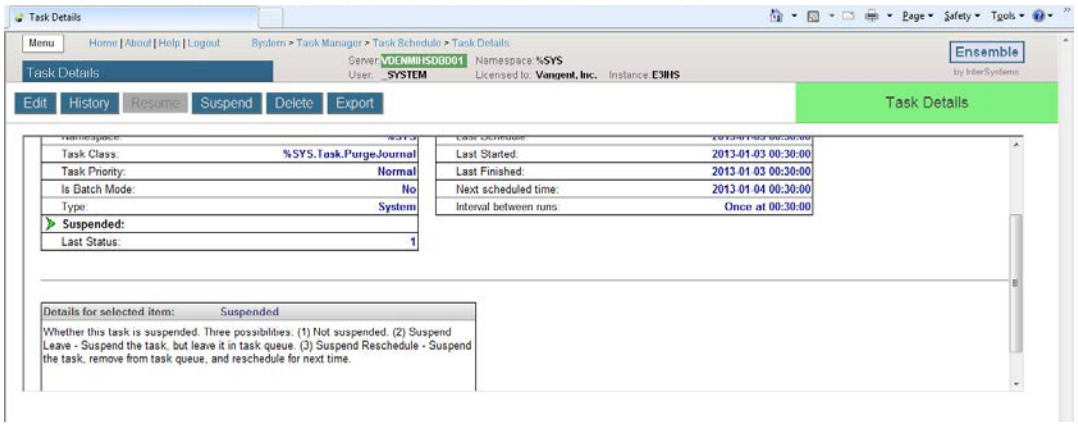

Figure C-11: **Task Details** page with additional information displayed for the **Suspended** item

- **History**. Displays the **Task History** page for the selected task, as shown in Figure C-12.

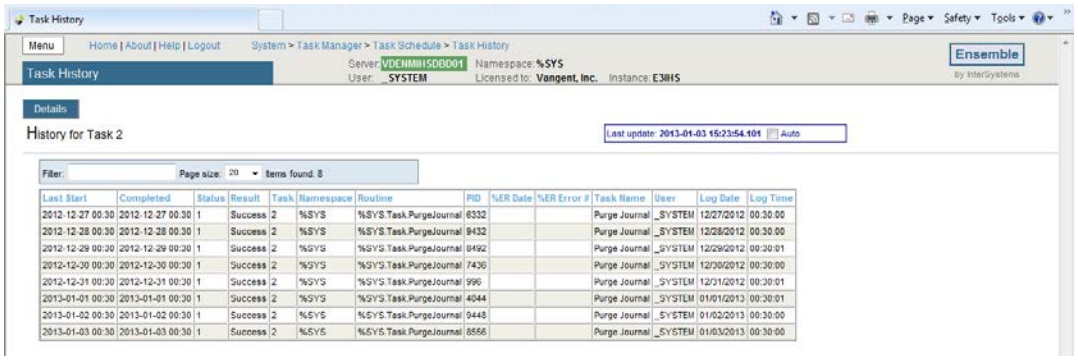

Figure C-12: **Task History** page

- **Run**. The **Run Task** page displays the following information:
  - The date the task is scheduled to run
  - The time the task is scheduled to run

  Edit either field if necessary, and then click **Perform Action Now** to confirm the information and schedule the task, or click **Cancel** to return to the prior page.

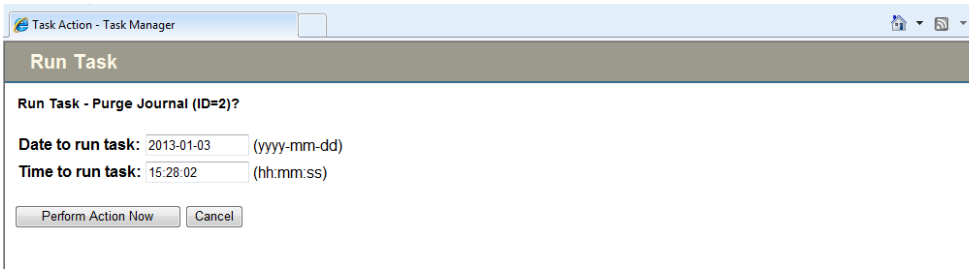

Figure C-13: **Run Task** page for **Purge Journal**

C.6 Task History

The **Task History** page lists the history of all tasks performed using the Task Manager, as shown in Figure C-14.

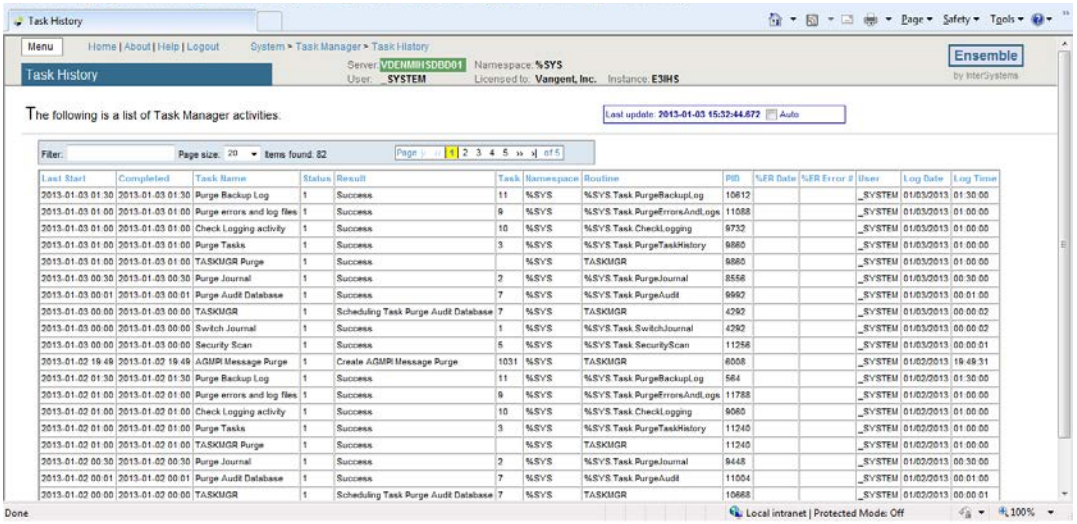

Figure C-14: **Task History** page

C.7 Import Tasks

The **Import Tasks** page imports and runs tasks by browsing to a previously-exported task file, as shown in Figure C-15.

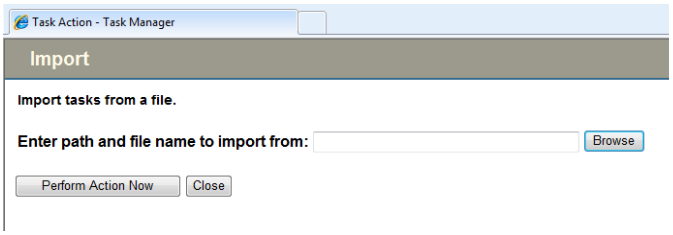

Figure C-15: **Import Tasks** page

Appendix D: Required FileMan Files

The following five FileMan files are needed for completion of MPI functionality:

- ADT/HL7 PIVOT
- ADT/HL7 EVENT REASON
- HLO APPLICATION REGISTRY
- REGISTRATION PARAMETERS
- TREATING FACILITY LIST

Appendix E: Installation Checklist

The following checklist may be used to help you follow the installation process and ensure you complete each step. A blank is provided after each step for initials and/or the date completed.

- Ensemble installation _____
  - Create the AGMPIxxx namespace [4.1] _____
  - Map HL* globals [4.1] _____
  - Assign resource to AGMPI database [4.1] _____
  - Import the MPI XML file [4.2] _____
- Ensemble configuration
  - RPMSInbound: Site ID [5.4] _____
  - MPIInbound: Allowed IP Addresses, Port [5.5] _____
  - RPMSOutBound: Site ID [5.9] _____
  - MPIOutBound: IP Address, Port [5.10] _____
  - BadMessage: File Path [5.11] _____
  - Create e-mail credentials [5.12.1] _____
  - EmailAlert: SMTP Server, SMTP Port, Credentials, Recipient, CC, From [5.12.2] _____
- Schedule AGMPI Message Purge Task [6.0] _____
- KIDS installation [7.2] _____
- RPMS configuration
  - Edit PIMS HL7 V2.3 MESSAGES [7.3.1] _____
  - Verify HLO APPLICATION REGISTRY [7.3.1.1] _____
  - Verify HLO SYSTEM PARAMETERS [7.3.2] _____
  - Verify HLO PROCESS REGISTRY [7.3.3] _____
- Assign security keys [7.3.4] _____
- Add AGMP MPI TOTAL ERRORS alert parameter [7.3.5] _____
  - Add AGMP MPI ERROR PTS alert parameter [7.3.5] _____
  - Contact OIT Help Desk [8.0] _____
  - Wait for OIT Help Desk approval to proceed [8.0] _____
  - Initial load

  - Schedule AGMP ACK BCKGRND TSK [9.1] _____
  - Configure Ensemble auto-start production [9.2] _____
  - Start Ensemble production [9.3] _____
  - Wait for OIT Help Desk approval to continue [9.4] _____
  - Schedule AGMP MISSING ICN TSK (one time) [9.5] _____

- Wait for response from OIT Help Desk [10.0] _____
- Verify initial load was successful [11.0] _____
- Schedule background tasks
  - Schedule AGMP MPI MISSING ICN TSK (daily) [12.1] _____
  - Schedule AGMP A08 BCKGRND UPDATE TSK [12.2] _____
  - Schedule AGMP MPI PURGE HLO MSGS [12.3] _____
  - Schedule VAFH PIVOT PURGE [12.4] _____

Contact Information

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

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

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