



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Master Patient Index Interface

(AGMP)

Installation Guide and Release Notes

Version 1.0
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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 Master Patient Index (MPI) interface (AGMP) package and HealthShare production. The AGMP package allows for the transport of messages between the Resource and Patient Management System (RPMS) and the MPI system.

The new AGMP package was originally released as version 7.2 of the Patient Registration (AG) package but has now been separated into its own RPMS application. Since many sites will have already installed the AG version 7.2 patches, they will not be required to perform all of the installation steps needed compared to sites that are installing and implementing MPI for the first time. Please carefully follow the ensuing installation steps, which describe the installation process for both new MPI functionality site installs and installs for sites that are already utilizing MPI.

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1.0 Introduction

For several decades, hospitals and health centers of the Indian Health Service (IHS) and numerous Tribal health programs have used the 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 Master Patient Index 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 HealthShare Health Connect interface engine 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 the Health Connect interface and either system, or if any other error occurs, an e-mail alert is sent from the Health Connect interface to the appropriate administrators.

2.0 Release Notes

The new AGMP MPI interface is meant to replace the MPI interface released as version 7.2 of the AG application. Like its predecessor, the new interface is used to send data bi-directionally between the MPI and the RPMS to ensure the accuracy of patient records.

The installation of the software is the first phase in sending data between the two systems. The second phase is the onboarding process, which requires coordination with the IT Service Desk. The onboarding process is described in section 8.0 of this manual.

This version of the software implements the following functionality:

- An initial upload of all patients to the MPI (if not previously performed using the MPI functionality released with version 7.2 of the AG application).
- Sending new patient registrations in real time.
- Sending patient updates in real time.
- Sending patient check-ins, admissions, checkouts and discharges in real time.
- Fully operational with the use of the InterSystems Health Connect integration engine for the transport of HL7 messages.
- CR 07685: Removes Patient Merge as a prerequisite for installing this application.
- CR 07686: Moves the MPI application from Patient Registration (AG) version 7.2 to Master Patient Index (AGMP) version 1.0.
- CR 07697: Removes unnecessary alerts for network timeouts.
- CR 10397: Provides the ability for a site to “opt out” of MPI without creating a backlog of unsent messages in RPMS.
- CR 11037: Updates the logic for identifying demo patients to bring MPI in line with other RPMS applications.

3.0 Installation Notes

Prefix: AGMP

Current Version: 1.0

3.1 Contents of Distribution

Table 3-1: Contents of Distribution

File	Distribution
agmp0100.k	KIDS file
agmp010i.pdf	Installation Guide and Release Notes
agmp010t.pdf	Technical Manual
agmp010u.pdf	User Manual
agmp010u_HealthShare_Management_Portal.pdf	User Manual - HealthShare

3.2 Required Resources

3.2.1 Ensemble/HealthShare

The AGMP application requires Ensemble or HealthShare 2017.2 or greater. The AGMP application does not require a specific version of the operating system (OS).

3.2.2 Required Installation Parameters

The following RPMS software is required:

Table 3-2: Required Resources

Module	Minimum Version
HEALTH LEVEL SEVEN (HL)	v1.6 Patch 1006 or later
IHS DICTIONARIES (POINTERS) (AUT)	v98.1 Patch 20 or later
IHS DICTIONARIES (PATIENT) (AUPN)	v99.1 Patch 20 or later
IHS PATIENT REGISTRATION (AG)	v7.1 Patch 9 or later
IHS VA SUPPORT FILES (AVA)	v93.2 Patch 20 or later
PIMS (PIMS)	V5.3 Patch 1016 or later
VA FileMan (DI)	v22.0 Patch 1018 or later

Module	Minimum Version
VA Kernel (XU)	v8.0 Patch 1018 or later

3.2.3 Before Beginning: Installation Issues

1. As previously mentioned, the new AGMP application will replace the MPI functionality delivered in version 7.2 of the AG application release. The steps required to properly install this release depend on whether version 7.2 of the AG application release has already been installed and implemented or if this is a brand-new installation of the MPI functionality. Checklists are provided in Appendix C to assist in following the correct steps according to whether the site previously implemented Patient Registration (AG) version 7.2 or not.
2. Make a copy of this package distribution for offline storage.
3. Capture the terminal output during the installation using an auxport printer attached to the terminal used to perform the software installation to ensure a printed audit trail should any problems arise.

4.0 Installation Instructions

The AGMP application installation consists of a standard Kernel Installation and Distribution System (KIDS) build which gets installed in the site's RPMS production environment. Both new users of MPI and existing users of MPI (by way of the AG version 7.2 release functionality) must install this KIDS release. Prior to installing this build, any sites currently using MPI through the AG version 7.2 release, should perform the following pre-installation steps first.

Note: Sites that have not implemented the MPI functionality released with AG version 7.2 should skip Section 4.1 and proceed to the RPMS KIDS Installation found in Section 4.2.

4.1 Pre-Installation steps for sites upgrading MPI

4.1.1 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 4-1.

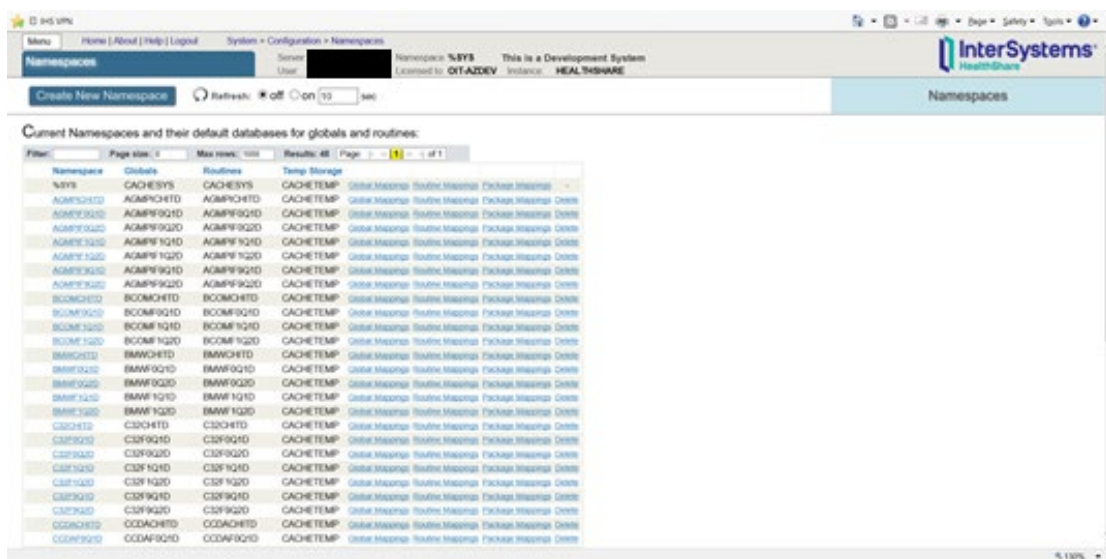


Figure 4-1: Select **Global Mappings**

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

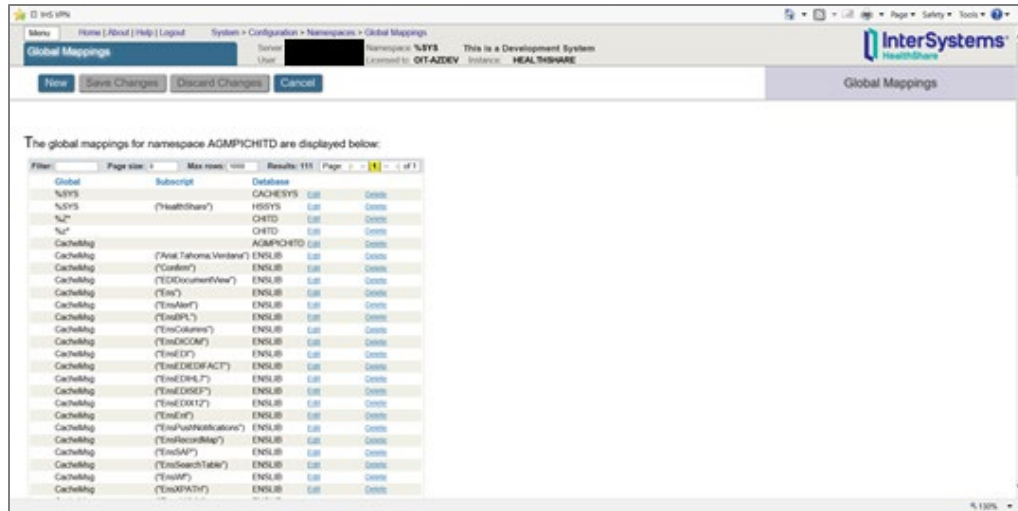


Figure 4-2: Creating a new global mapping on the **Global Mappings** page

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 CHITD.

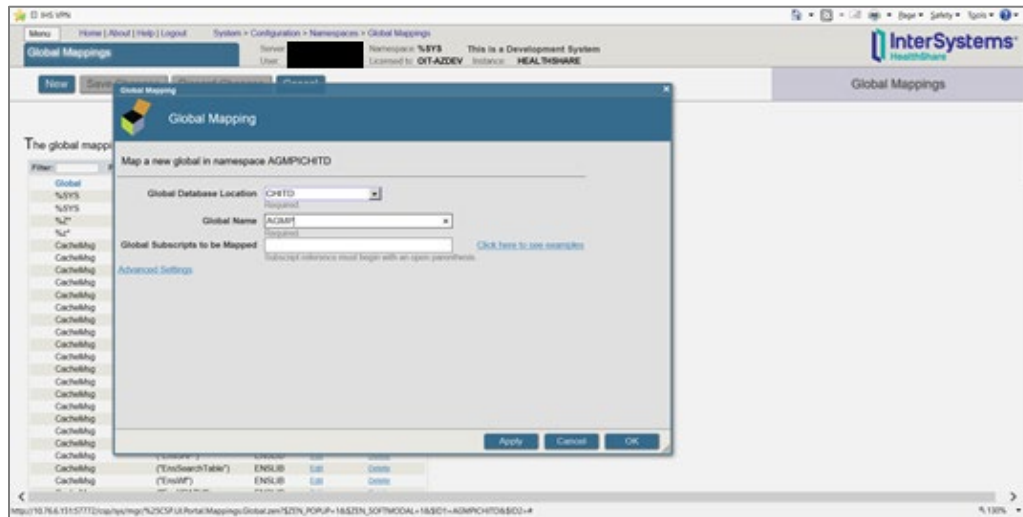


Figure 4-3: Mapping a new global in the **Global Mapping** dialog box

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

4.1.2 Map a New Package

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

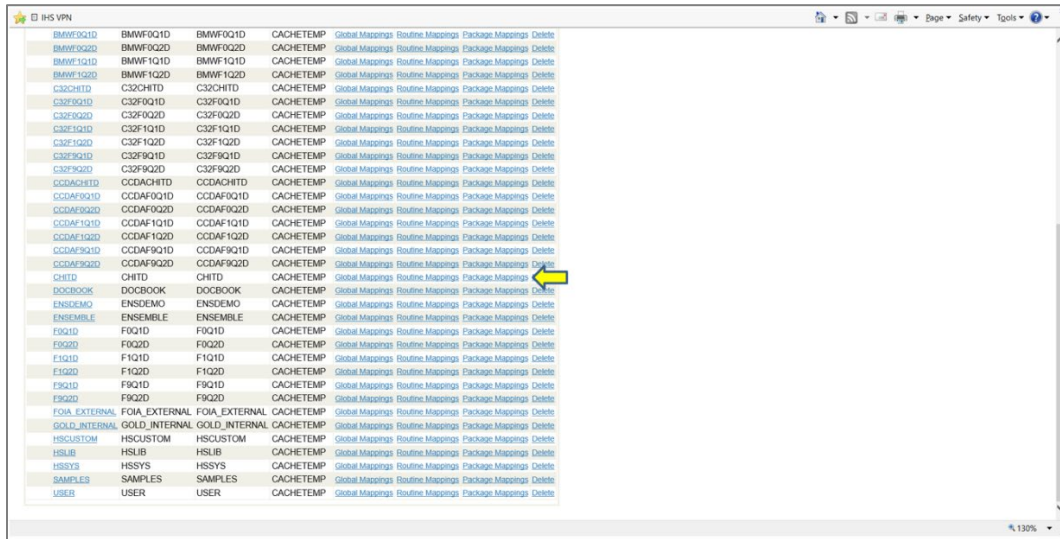


Figure 4-4: Select Package Mappings

2. On the **Package Mappings** page, click **New** to display the **Package Mapping** dialog box, as shown in Figure 4-5.

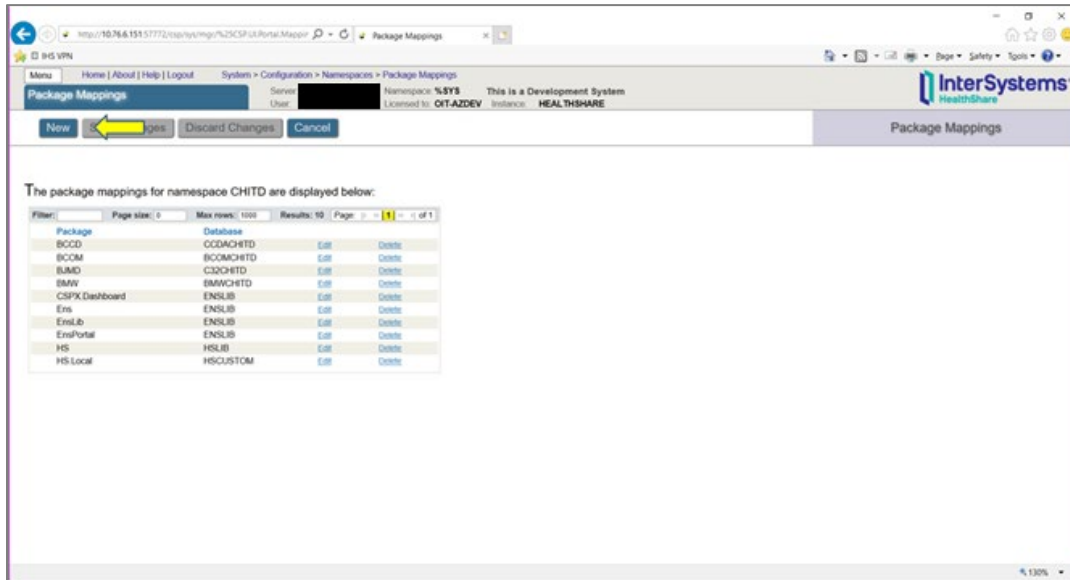


Figure 4-5: Creating a new package mapping on the Package Mappings page

- In the **Package Mapping** dialog box, choose the AGMPI namespace for your site in the drop-down menu for the **Package database location** field. In the example below, it is AGMPICHITD.

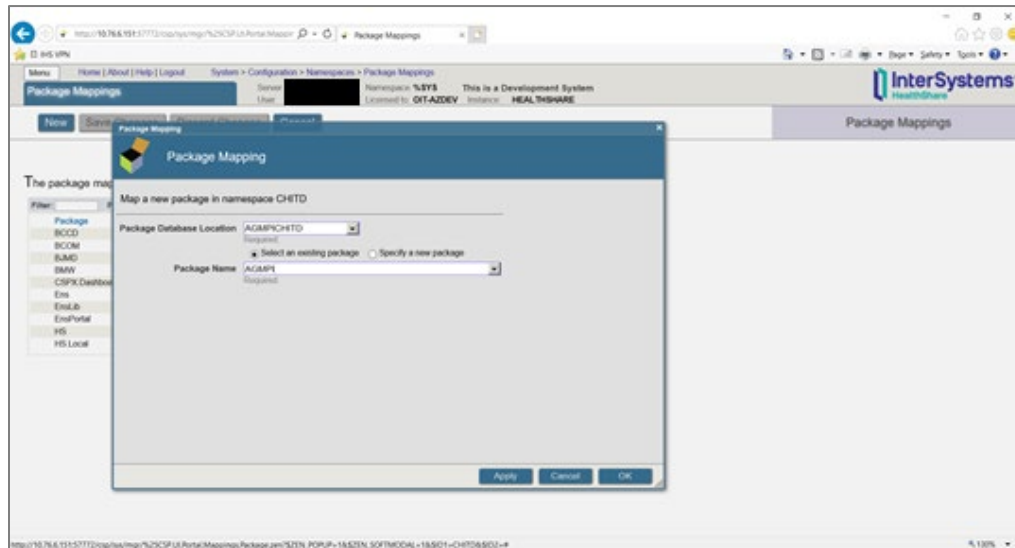


Figure 4-6: Mapping a new package in the Package Mapping dialog box

- In the **Package name** field, select **AGMPI**.
- Click **Apply**, and then click **Close** to return to the **Package Mappings** page.
- Verify that the AGMPI package mapping was added correctly to the list and click **Save Changes**.

4.1.3 Associate the Database with the Production Database Resource

- From the **System Administration Menu**, click **Configuration**, then click **System Configuration**, then click **Local Databases**, as shown in Figure 4-7.

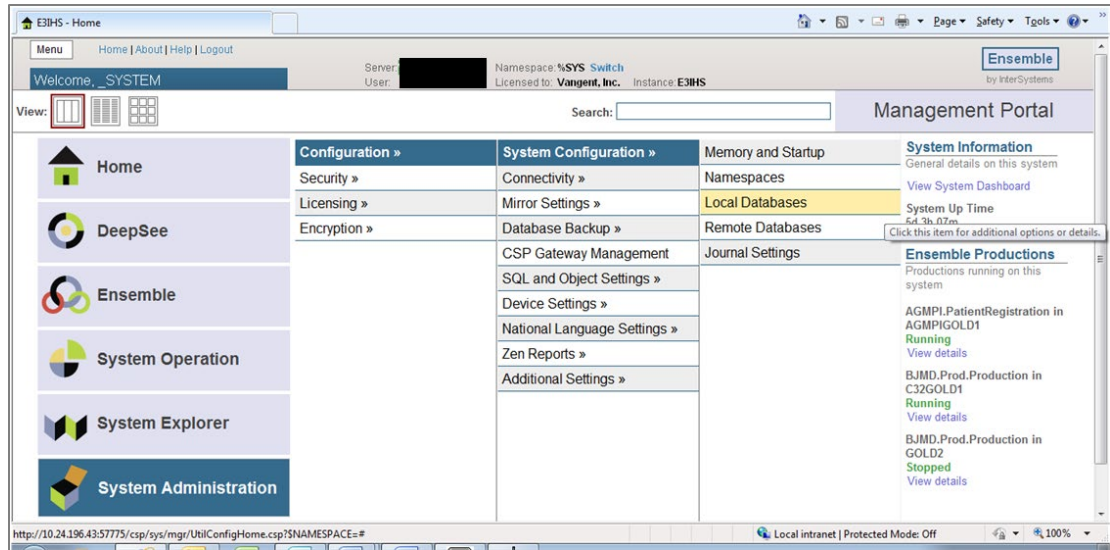


Figure 4-7: Configuration page with Local Databases link highlighted

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 4-8.

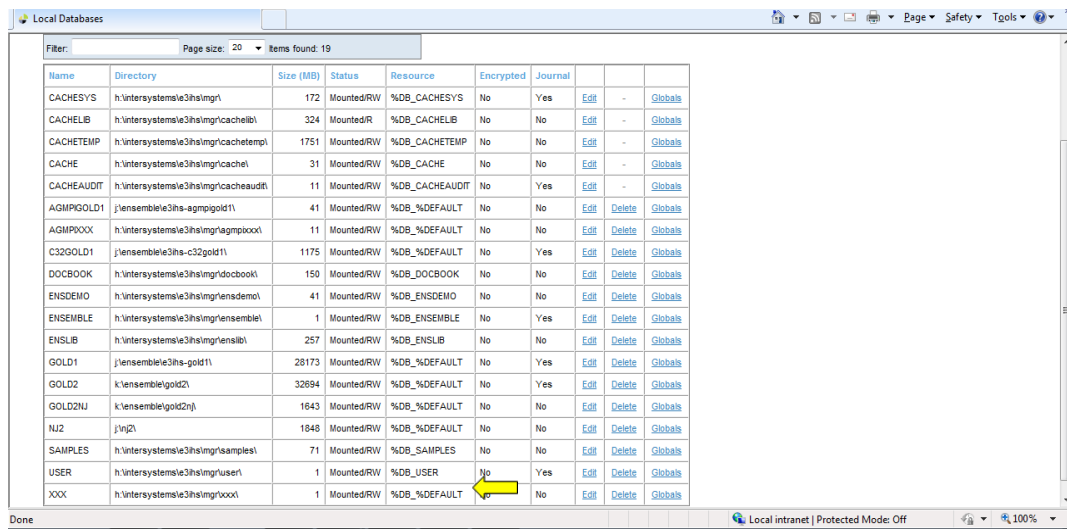


Figure 4-8: Finding the RPMS database resource

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 4-9.

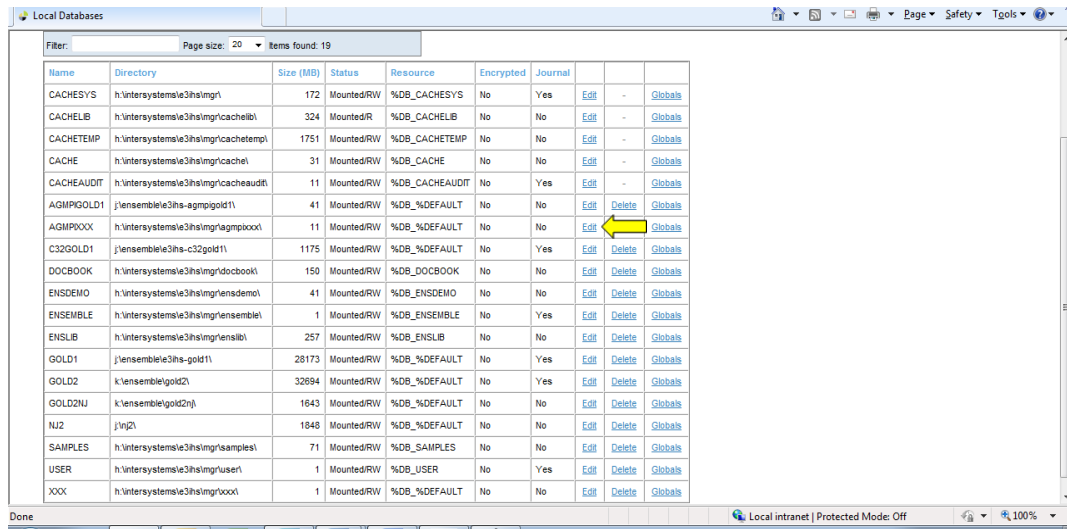


Figure 4-9: Editing the AGMPIxxx database from the **Local Databases** page

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

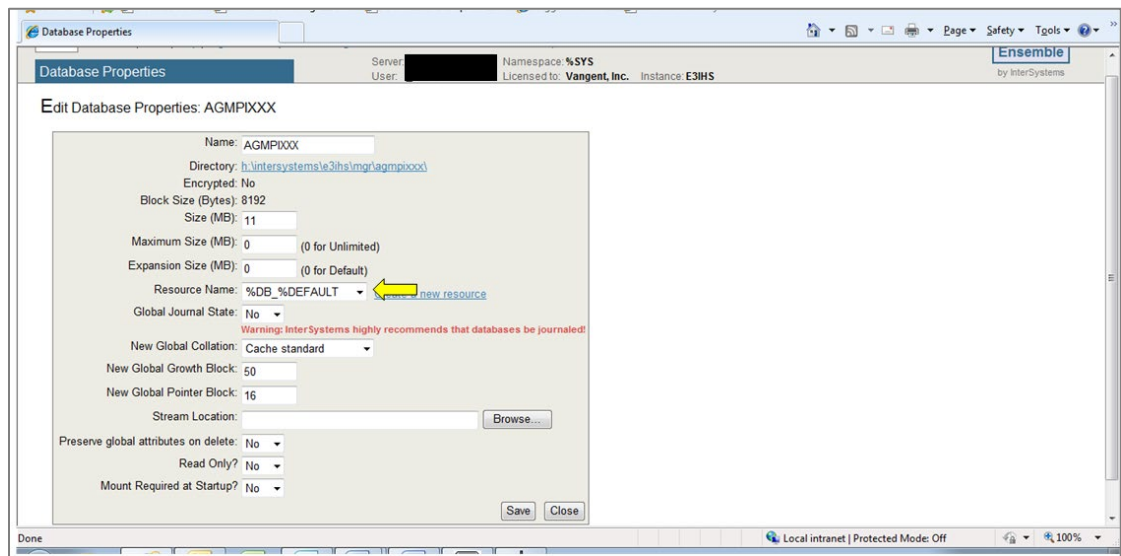


Figure 4-10: Selecting the site’s assigned resource name in the **Resource Name** list

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

4.1.4 Record Allowed IP Addresses

Some sites have a value in the Allowed IP Addresses setting in the Ensemble production. This value will be overwritten by the KIDS installation process and must be reapplied after installation. Therefore, it is important to record this value before proceeding.

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

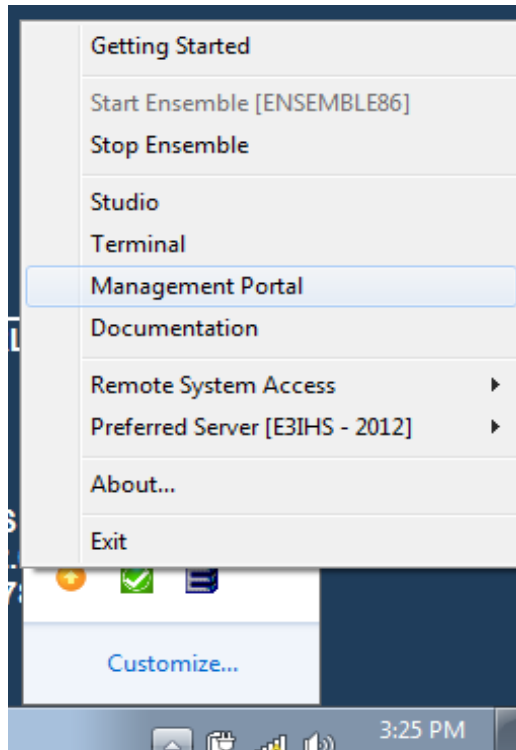


Figure 4-11: **Management Portal** option

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

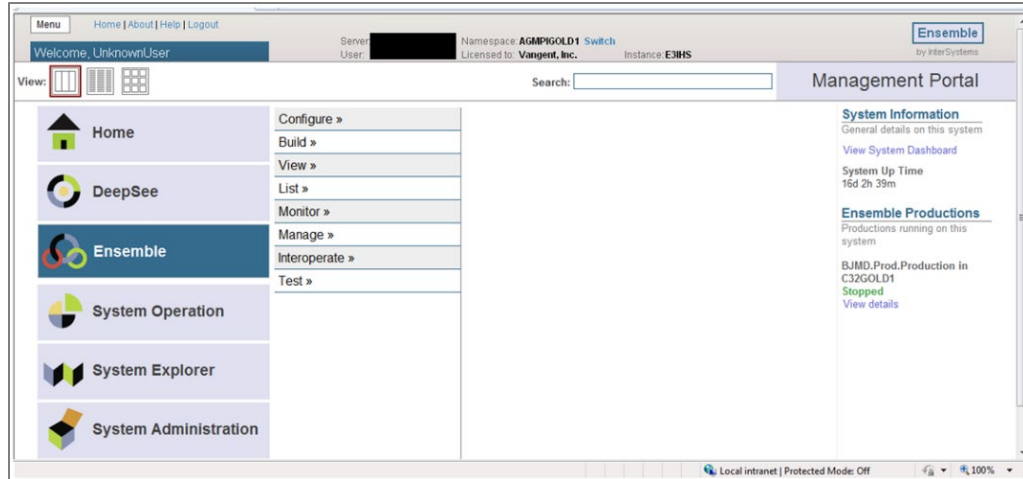


Figure 4-12: Management Portal page

3. Click **Configuration** and then click on **Production**, as shown in Figure 4-13.

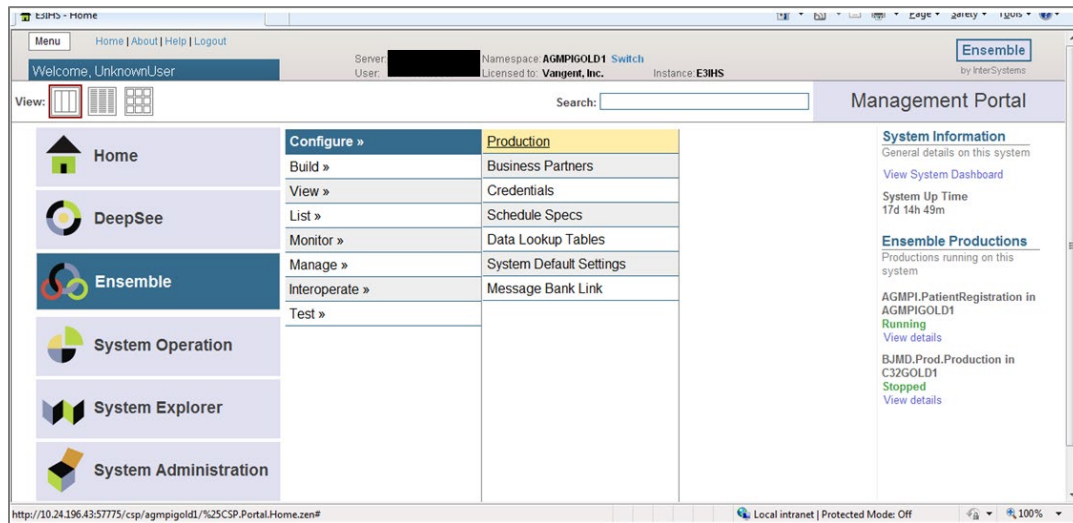


Figure 4-13: Production Configuration page

4. Select the AGMPIxxx namespace by clicking the **Switch** link that appears at the top of the display area, as shown in Figure 4-14.

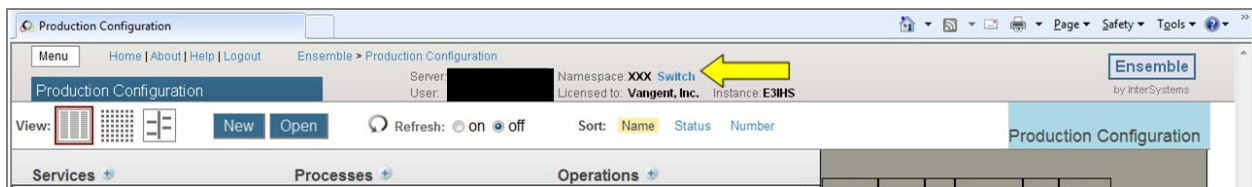


Figure 4-14: Switch link

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

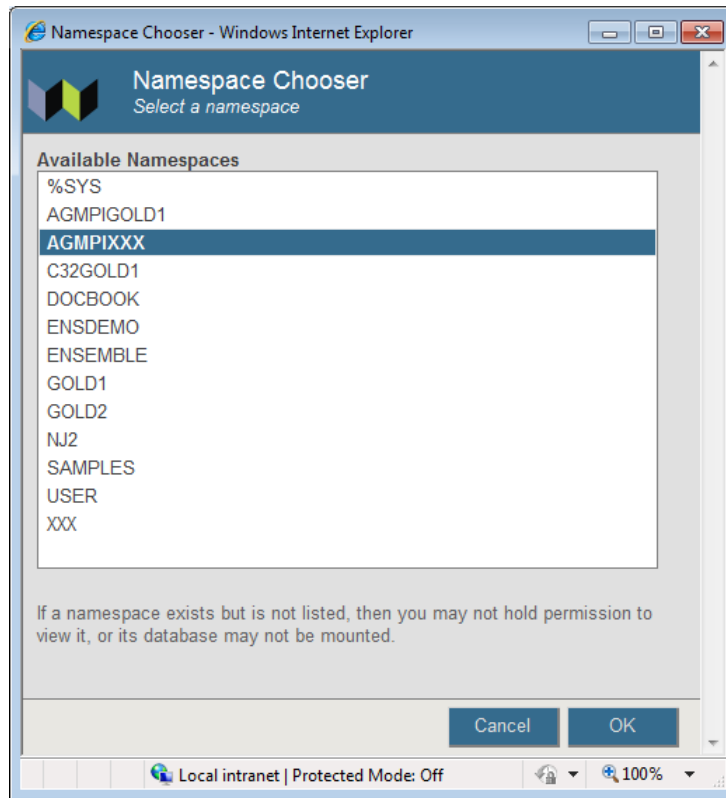


Figure 4-15: **Namespace Chooser** page

- The **Production Configuration** page for the selected namespace is displayed, as shown in Figure 4-16.

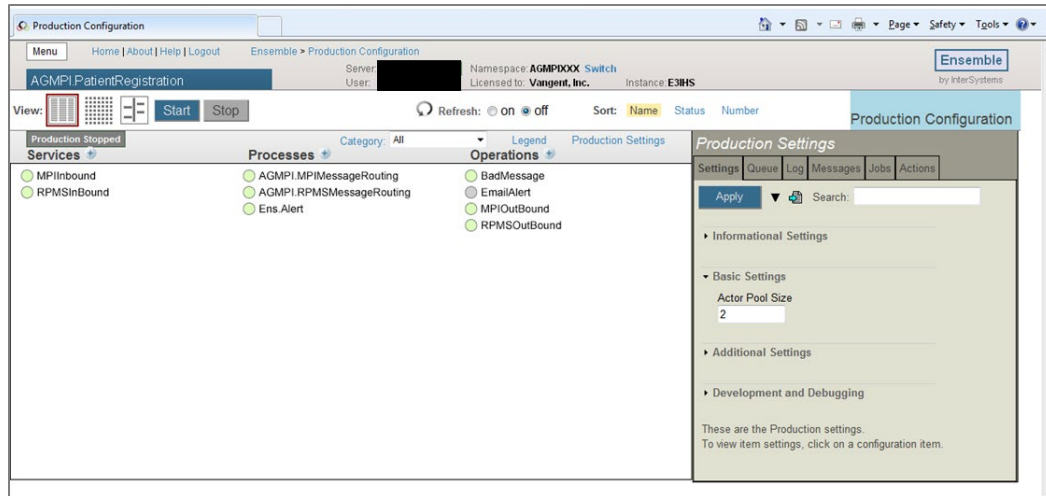


Figure 4-16: AGMPI.PatientRegistration production instance

7. Click on **MPIInbound**. Note the value in the **Allowed IP Addresses** box, which is in the **Connection Settings** group. If necessary, expand the **Connection Settings** group to see the value.

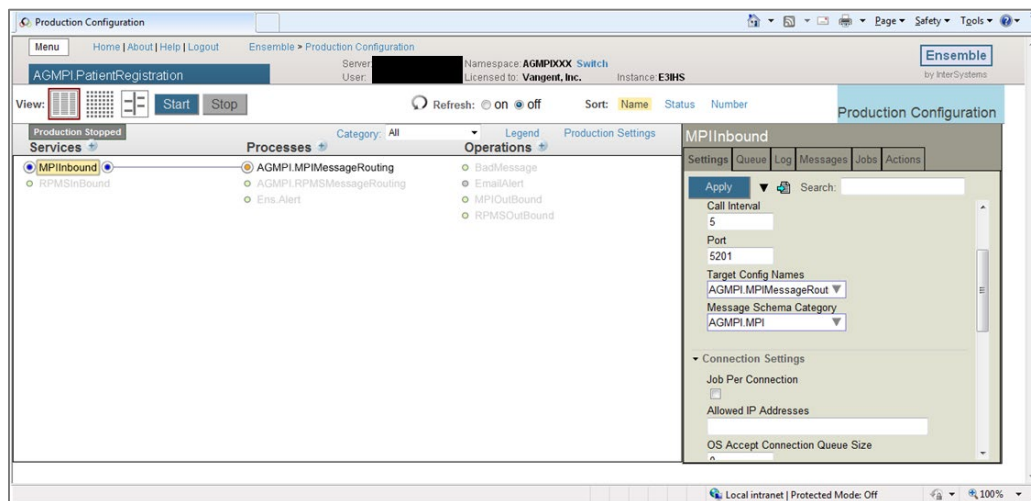


Figure 4-17: Production Configuration - MPIInbound settings

4.2 RPMS KIDS Installation

During this installation, you will be asked the IP address of the server on which the package will be installed, the mail group coordinator and the MPI listener port. Be sure to obtain these values before beginning the KIDS installation process. The MPI listener port is the Port assigned to the MPIInbound business service in the Ensemble production.

If this is a new install, you will be asked for a directory to create an AGMPI database in. Create this directory before beginning the KIDS installation.

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.

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 Installation menu.

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

      Edits and Distribution ...
      Utilities ...
      Installation ...
      Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: I

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution

Select Installation <TEST ACCOUNT> Option:
```

Figure 4-18: Kernel Installation & Distribution System menu and Installation menu

4.2.1 Load a Distribution

1. At the "Select Installation Option" prompt, 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 <TEST ACCOUNT> Option: 1 Load a Distribution
Enter a Host File: c:\temp\agmp0100.k

KIDS Distribution saved on Apr 21, 2021@17:38:19
Comment: AGMP 1.0

This Distribution contains Transport Globals for the following Package(s):
OK to continue with Load? NO// YES

Distribution OK!

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

Build AGMP 1.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
AGMP 1.0
Will first run the Environment Check Routine, AGMP1E00

Hello, DEMO USER

Checking Environment for RPMS MPI CLIENT Software

Need at least Kernel (XU) v8.0 patch 1018....patch 1018 Present
Need at least VA FILEMAN (DI) v22.0 patch 1018....patch 1018 Present
Need at least HEALTH LEVEL SEVEN (HL) v1.6 patch 1006....patch 1006
Present
Need at least IHS PATIENT REGISTRATION (AG) v7.1 patch 9....patch 9
Present
Need at least IHS VA SUPPORT FILES (AVA) v93.2 patch 20....patch 20
Present
Need at least IHS DICTIONARIES (POINTERS) v98.1 patch 20....patch 20
Present
Need at least IHS DICTIONARIES (PATIENT) (AUPN) v98.1 patch 20....patch 20
Prese
nt
Need at least PIMS v5.3 patch 1016....patch 1016 Present

THE FOLLOWING STATION NUMBER WAS FOUND IN THE
INSTITUTION FILE: 8999
PLEASE CONFIRM WITH THE OIT RPMS DBA THIS IS THE CORRECT
STATION NUMBER FOR '2016 DEMO HOSPITAL' FACILITY?

Enter Yes or No: Yes YES

ENVIRONMENT OK.

Enter RETURN to continue or '^' to exit:

```



```
Use INSTALL NAME: AGMP 1.0 to install this Distribution.
```

Figure 4-19: Loading a distribution

4.2.2 Verify Checksums

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 **AGMP** and press Enter.
3. At the "DEVICE" prompt, press Enter.
4. Near the end of the output, look for a line similar to the following:

```
22 Routines checked, 0 failed.
```

This line indicates whether all pieces of the file were downloaded successfully. The critical piece of information is the number of routines that failed. If any routines failed, reload the file by following the steps in Section 4.2.1.

```
Select Installation <TEST ACCOUNT> Option: 2 Verify Checksums in Transport
Global
Select INSTALL NAME: AGMP 1.0      Loaded from Distribution
4/23/21@16:01:48
=> AGMP 1.0 ;Created on Apr 21, 2021@17:38:19

This Distribution was loaded on Apr 23, 2021@16:01:48 with header of
AGMP 1.0 ;Created on Apr 21, 2021@17:38:19
It consisted of the following Install(s):
AGMP 1.0

Want each Routine Listed with Checksums: Yes// YES
DEVICE: HOME// VIRTUAL
PACKAGE: AGMP 1.0      Apr 23, 2021 4:02 pm                PAGE
1
-----
-----

AGMP1E00 Calculated 30388836
AGMP1P00 Calculated 132733930
AGMPACK  Calculated 11663677
AGMPADT  Calculated 12398252
AGMPBGP  Calculated 6740618
AGMPCHK  Calculated 60644548
AGMPCLAS Calculated 18542101
AGMPEDIT Calculated 12909447
AGMPHL1  Calculated 147068524
AGMPHLO  Calculated 134329179
AGMPMFN  Calculated 64866847
AGMPMICN Calculated 38615624
AGMPOPT  Calculated 25572702
AGMPPID  Calculated 37827898
AGMPPIVT Calculated 3303030
```

```

AGMPPRST Calculated      6940234
Enter RETURN to continue or '^' to exit:
PACKAGE: AGMP 1.0      Apr 23, 2021 4:02 pm                PAGE
2
-----
-----

AGMPPURG Calculated      13454670
AGMPRPT1 Calculated      163239408
AGMPRPT2 Calculated      28719823
AGMPMSG Calculated       76112084
AGMPVQQ Calculated       6186507
VAFCDD01 Calculated      39275530

      22 Routines checked, 0 failed.

```

Figure 4-20: Verify Checksums in Transport Global option

4.2.3 Compare Transport Global to Current System

This step is suggested but 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 **AGMP** 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).

```

Select Installation <TEST ACCOUNT> Option: 4 Compare Transport Global to
Current System
Select INSTALL NAME: AGMP 1.0      Loaded from Distribution
4/23/21@16:01:48
      => AGMP 1.0 ;Created on Apr 21, 2021@17:38:19

This Distribution was loaded on Apr 23, 2021@16:01:48 with header of
AGMP 1.0 ;Created on Apr 21, 2021@17:38:19
It consisted of the following Install(s):
      AGMP 1.0

      Select one of the following:

          1      Full Comparison
          2      Second line of Routines only
          3      Routines only
          4      Old style Routine compare

Type of Compare: 1 Full Comparison
DEVICE: HOME// VIRTUAL
Compare KIDS package AGMP 1.0 to current site (Disk)

```

Site: FACILITY-X-HQ.ABQ.IHS.GOV UCI: CHITT,DEHR Apr 23, 2021@16:02:43
 KIDS Disk

- Routine: AGMP1E00
- Routine: AGMP1P00
- Routine: AGMPACK
- Routine: AGMPADT
- Routine: AGMPBGP
- Routine: AGMPCHK
- Routine: AGMPCLAS
- Routine: AGMPEDIT
- Routine: AGMPHL1
- Routine: AGMPHLO
- Routine: AGMPMFN
- Routine: AGMPMICN
- Routine: AGMPOPT
- Routine: AGMPPID
- Routine: AGMPPIVT
- Routine: AGMPPRST
- Routine: AGMPPURG
- Routine: AGMPRPT1
- Routine: AGMPRPT2
- Routine: AGMPSMSG
- Routine: AGMPVQQ
- Routine: VAFCD01

Enter RETURN to continue or '^' to exit:

ENTRIES IN FILE #9002021.02 (AGMP CLASS TRANSPORT)
 AGMP CLASS TRANSPORT: New Record for 65840,63532
 RPMS STATUS: READY RPMS STATUS: COMPLETE
 AGMP CLASS TRANSPORT: New Record for 65840,63846

```

RPMS STATUS: READY                                RPMS STATUS: COMPLETE
-----
-----
ENTRIES IN FILE #101 (PROTOCOL)
PROTOCOL: AGMP MPI CHECKIN CHECKOUT
TIMESTAMP: 64548,45545                            TIMESTAMP: 65855,63587
PROTOCOL: AGMP MPI ADMIT DISCHARGE
TIMESTAMP: 64548,46163                            TIMESTAMP: 65855,63588
PROTOCOL: AGMP MPI REGISTRATION
TIMESTAMP: 65636,58467                            TIMESTAMP: 65855,63588

Enter RETURN to continue or '^' to exit:
PROTOCOL: AGMP MPI UPDATE
TIMESTAMP: 65651,60956                            TIMESTAMP: 65855,63588

```

Figure 4-21: Compare Transport Global to Current System option

4.2.4 Install Package

Install the package using the Install Package(s) option. The system performs an environment check; the package will not be installed if required software is missing.

1. At the “Select Installation Option” prompt, type **Install Package** and press Enter.
2. At the “Select INSTALL NAME” prompt, type **AGMP** 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 (No).
7. At the “Want KIDS to INHIBIT LOGONs during the install?” prompt, press Enter to accept the default (No).
8. At the “DEVICE” prompt, press Enter to accept the default and begin the installation process.

9. At the “ENTER MPI LISTENER PORT FOR THIS NAMESPACE” prompt, enter a listener port for this MPI application. The port must not be used by any other application on the server. If there is only one installation of the MPI application in this Ensemble instance, then the default value is likely acceptable. If there are or will be multiple MPI applications, then care must be taken to ensure each has a unique port assigned to it. For existing MPI applications, this must match the Port value in the MPIInbound business service in the Ensemble production.
10. If this is a new installation, the installer will ask for the directory in which to create a new database for the AGMPI namespace. At the “Specify Full Directory path for the database for new namespace AGMPIXXX”, prompt enter a path to this directory.

The messages displayed by the installation process will vary depending on whether this is a new installation or upgrade of MPI. Figure 4-15 shows the output for a new installation of the MPI application, whereas Figure 4-16 shows the output when upgrading from a previous version of MPI or reinstalling the current version.

```
Select Installation <TEST ACCOUNT> Option: Install Package(s)
Select INSTALL NAME: AGMP 1.0      Loaded from Distribution
4/21/21@17:42
    => AGMP 1.0 ;Created on Apr 21, 2021@17:38:19

This Distribution was loaded on Apr 21, 2021@17:42 with header of
AGMP 1.0 ;Created on Apr 21, 2021@17:38:19
It consisted of the following Install(s):
    AGMP 1.0
Checking Install for Package AGMP 1.0
Will first run the Environment Check Routine, AGMP1E00

                                Hello, DEMO USER

                                Checking Environment for RPMS MPI CLIENT Software

                                Need at least Kernel (XU) v8.0 patch 1018....patch 1018 Present
                                Need at least VA FILEMAN (DI) v22.0 patch 1018....patch 1018 Present
                                Need at least HEALTH LEVEL SEVEN (HL) v1.6 patch 1006....patch 1006
Present
                                Need at least IHS PATIENT REGISTRATION (AG) v7.1 patch 9....patch 9
Present
                                Need at least IHS VA SUPPORT FILES (AVA) v93.2 patch 20....patch 20
Present
                                Need at least IHS DICTIONARIES (POINTERS) v98.1 patch 20....patch 20
Present
                                Need at least IHS DICTIONARIES (PATIENT) (AUPN) v98.1 patch 20....patch 20
Prese
nt
                                Need at least PIMS v5.3 patch 1016....patch 1016 Present

                                THE FOLLOWING STATION NUMBER WAS FOUND IN THE
                                INSTITUTION FILE: 8999
                                PLEASE CONFIRM WITH THE OIT RPMS DBA THIS IS THE CORRECT
```

```
STATION NUMBER FOR '2011 DEMO HOSPITAL' FACILITY?

Enter Yes or No: YES

ENVIRONMENT OK.

Enter RETURN to continue or '^' to exit:

Install Questions for AGMP 1.0

Incoming Files:

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

391.72 ADT/HL7 EVENT REASON
Note: You already have the 'ADT/HL7 EVENT REASON' File.

391.91 TREATING FACILITY LIST
Note: You already have the 'TREATING FACILITY LIST' File.

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

9002021.01AGMP PARAMETERS
Note: You already have the 'AGMP PARAMETERS' File.

9002021.02AGMP CLASS TRANSPORT (including data)
Note: You already have the 'AGMP CLASS TRANSPORT' File.
I will OVERWRITE your data with mine.

Incoming Mail Groups:

Enter the Coordinator for Mail Group 'AGMP MPI': USER,DEMO// DEMO

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//

Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// VT

Install Started for AGMP 1.0 :
Apr 21, 2021@17:42:16

Build Distribution Date: Apr 21, 2021

Installing Routines
```

```

Apr 21, 2021@17:42:16

Running Pre-Install Routine: PRE^AGMP1P00

Saving the configuration of option 'AGMENU'...

Installing Data Dictionaries:
Apr 21, 2021@17:42:16

Installing Data:
Apr 21, 2021@17:42:16

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing MAIL GROUP

Installing PROTOCOL

Installing OPTION
Apr 21, 2021@17:42:17

Running Post-Install Routine: POST^AGMP1P00

ENTER THE MPI LISTENER PORT. IF THIS IS A MULTI-NAMESPACE SITE,
YOU MUST ENTER A UNIQUE LISTENER PORT FOR EACH AGMPI NAMESPACE
ON THIS SERVER.
ENTER MPI LISTENER PORT FOR THIS NAMESPACE: (5201-5299): 5201//
MOVEMENT EVENTS v 5.3 IHS Appointment Event Driver

MPI Manager Options [AGMP HLO MPI MANAGER OPTIONS] option
was added to the Patient registration Menu [AGMENU]

Importing installer classes
List started on 04/21/2021 17:42:18
Listing file E:\InterSystems\HealthShare\mgr\Temp\jhKJUOKPRK5n0w.xml as xml
List finished successfully.

Load started on 04/21/2021 17:42:18
Loading file E:\InterSystems\HealthShare\mgr\Temp\fr5BS09r1OcbDg.xml as xml
Imported class: AGMPI.Install.Installer
Imported class: AGMPI.Install.PreInstall
Imported class: AGMPI.Install.ProductionSettings
Compiling 3 classes, using 3 worker jobs
Compiling class AGMPI.Install.PreInstall
Compiling class AGMPI.Install.Installer
Compiling class AGMPI.Install.ProductionSettings
Compiling table AGMPI_Install.ProductionSettings
Compiling routine AGMPI.Install.PreInstall.1
Compiling routine AGMPI.Install.Installer.1
Compiling routine AGMPI.Install.ProductionSettings.1
Load finished successfully.

Updating 9002021.02 record
Specify Full Directory path for the database for new namespace AGMPIMPIT:
d:\databases\healthshare\agmpimpit

Creating AGMPIMPIT namespace

```

```

2021-04-21 17:44:01 0 AGMPI.Install.Installer: Installation starting at
2021-04-21 17:44:01, LogLevel=1
2021-04-21 17:44:01 1 CreateDatabase: Creating database AGMPIMPIT in
G:\Databases\Healthshare\mpit\agmpimpt\ with resource %DB_%DEFAULT
2021-04-21 17:44:03 1 CreateNamespace: Creating namespace AGMPIMPIT using
AGMPIMPIT/AGMPIMPIT
2021-04-21 17:44:03 1 ActivateConfiguration: Activating Configuration
2021-04-21 17:44:05 1 GlobalMapping: Adding globalmapping AGMP to AGMPIMPIT
from MPIT
2021-04-21 17:44:09 1 GlobalMapping: Adding globalmapping %Z* to AGMPIMPIT
from MPIT
2021-04-21 17:44:30 1 GlobalMapping: Adding globalmapping %z* to AGMPIMPIT
from MPIT
2021-04-21 17:44:30 1 GlobalMapping: Adding globalmapping HL* to AGMPIMPIT
from MPIT
2021-04-21 17:44:30 1 RoutineMapping: Adding routinemapping %ZO*. to
AGMPIMPIT from MPIT
2021-04-21 17:44:31 1 RoutineMapping: Adding routinemapping HL*. to
AGMPIMPIT from MPIT
2021-04-21 17:44:35 1 EnableEnsemble: Enabling AGMPIMPIT
2021-04-21 17:47:27 1 ActivateConfiguration: Activating Configuration
2021-04-21 17:47:28 1 CreateNamespace: Creating namespace MPIT using
MPIT/MPIT
2021-04-21 17:47:28 1 ActivateConfiguration: Activating Configuration
2021-04-21 17:47:30 1 ClassMapping: Adding classmapping AGMPI to MPIT from
AGMPIMPIT
2021-04-21 17:47:50 1 EnableEnsemble: Enabling MPIT
2021-04-21 17:48:14 1 ActivateConfiguration: Activating Configuration
2021-04-21 17:48:18 0 AGMPI.Install.Installer: Installation succeeded at
2021-04-21 17:48:18
2021-04-21 17:48:18 0 %Installer: Elapsed time 256.33694s

```

Deleting AGMPI package if it exists

Importing AGMPI classes

List started on 04/21/2021 17:48:18

Listing file E:\InterSystems\HealthShare\mgr\Temp\whDapxW3cJTFRw.xml as xml

List finished successfully.

Load started on 04/21/2021 17:48:18

Loading file E:\InterSystems\HealthShare\mgr\Temp\6XuBpCsZ6xZ1Sg.xml as xml

Imported class: AGMPI.Adapters.AlertInbound

Imported class: AGMPI.Adapters.HLOGlobalInbound

Imported class: AGMPI.Adapters.HLOGlobalOutbound

Imported class: AGMPI.AlertEmailAddress

Imported class: AGMPI.Alerts.AlertItem

Imported class: AGMPI.Alerts.AlertLog

Imported class: AGMPI.Install.Installer

Imported class: AGMPI.Install.PostInstall

Imported class: AGMPI.Install.PreInstall

Imported class: AGMPI.Install.ProductionSettings

Imported class: AGMPI.MPIAlertRouting

Imported class: AGMPI.MPIMessageRouting

Imported class: AGMPI.Operations.MPI

Imported class: AGMPI.Operations.RPMS

Imported class: AGMPI.PatientRegistration

Imported class: AGMPI.Process.AlertProcess.Context

Imported class: AGMPI.Process.AlertProcess.Thread1


```

Imported class: AGMPI.Process.AlertProcess
Imported class: AGMPI.Process.AlertProcessContext
Imported class: AGMPI.Process.AlertProcessThread1
Imported class: AGMPI.RPMSMessageRouting
Imported class: AGMPI.Services.Alert
Imported class: AGMPI.Services.MPI
Imported class: AGMPI.Services.RPMS
Imported class: AGMPI.Task.StatusCheck
Compiling 25 classes, using 16 worker jobs
Compiling class AGMPI.Install.PreInstall
Compiling class AGMPI.Install.PostInstall
Compiling class AGMPI.Install.Installer
Compiling class AGMPI.MPIMessageRouting
Compiling class AGMPI.RPMSMessageRouting
Compiling class AGMPI.Task.StatusCheck
Compiling class AGMPI.MPIAlertRouting
Compiling class AGMPI.Adapters.AlertInbound
Compiling class AGMPI.AlertEmailAddress
Compiling class AGMPI.Adapters.HLOGlobalOutbound
Compiling class AGMPI.PatientRegistration
Compiling class AGMPI.Adapters.HLOGlobalInbound
Compiling class AGMPI.Install.ProductionSettings
Compiling class AGMPI.Services.MPI
Compiling class AGMPI.Services.Alert
Compiling class AGMPI.Operations.MPI
Compiling class AGMPI.Operations.RPMS
Compiling class AGMPI.Alerts.AlertLog
Compiling class AGMPI.Alerts.AlertItem
Compiling class AGMPI.Services.RPMS
Compiling class AGMPI.Process.AlertProcess
Compiling class AGMPI.Process.AlertProcess.Context
Compiling class AGMPI.Process.AlertProcessContext
Compiling class AGMPI.Process.AlertProcessThread1
Compiling class AGMPI.Process.AlertProcess.Thread1
Compiling table AGMPI_Alerts.AlertLog
Compiling table AGMPI_Alerts.AlertItem
Compiling table AGMPI_Process.AlertProcessContext
Compiling table AGMPI_Process.AlertProcessThread1
Compiling table AGMPI.AlertEmailAddress
Compiling table AGMPI_Process.AlertProcessThread1_ChildThreads
Compiling table AGMPI_Process.AlertProcessThread1_SyncResponses
Compiling table AGMPI_Process.AlertProcessThread1_PendingResponses
Compiling table AGMPI_Process.AlertProcess_SynchronizedResponses
Compiling table AGMPI_Process.AlertProcess.Context_ResponseHandlers
Compiling table AGMPI_Install.ProductionSettings
Compiling table AGMPI_Process.AlertProcess_MasterPendingResponses
Compiling table AGMPI_Process.AlertProcess_MessagesSent
Compiling table AGMPI_Process.AlertProcessContext_ResponseHandlers
Compiling table AGMPI_Process.AlertProcess.Thread1
Compiling table AGMPI_Process.AlertProcess_MessagesReceived
Compiling table AGMPI_Process.AlertProcess.Context
Compiling table AGMPI_Process.AlertProcess.Thread1_ChildThreads
Compiling table AGMPI_Process.AlertProcess.Thread1_PendingResponses
Compiling table AGMPI_Process.AlertProcess.Thread1_SyncResponses
Compiling table AGMPI_Process.AlertProcess
Compiling routine AGMPI.Install.PreInstall.1
Compiling routine AGMPI.Install.PostInstall.1
Compiling routine AGMPI.Install.Installer.1
Compiling routine AGMPI.MPIAlertRouting.1
Compiling routine AGMPI.Install.ProductionSettings.1

```

```

Compiling routine AGMPI.MPIMessageRouting.1
Compiling routine AGMPI.PatientRegistration.1
Compiling routine AGMPI.RPMSMessageRouting.1
Compiling routine AGMPI.Adapters.HLOGlobalInbound.1
Compiling routine AGMPI.Services.Alert.1
Compiling routine AGMPI.Adapters.HLOGlobalOutbound.1
Compiling routine AGMPI.Services.MPI.1
Compiling routine AGMPI.Task.StatusCheck.1
Compiling routine AGMPI.Alerts.AlertLog.1
Compiling routine AGMPI.Operations.RPMS.1
Compiling routine AGMPI.Operations.MPI.1
Compiling routine AGMPI.Services.RPMS.1
Compiling routine AGMPI.Adapters.AlertInbound.1
Compiling routine AGMPI.AlertEmailAddress.1
Compiling routine AGMPI.Alerts.AlertItem.1
Compiling routine AGMPI.Process.AlertProcess.1
Compiling routine AGMPI.Process.AlertProcessMasterPendingResponses.1
Compiling routine AGMPI.Process.AlertProcessMessagesReceived.1
Compiling routine AGMPI.Process.AlertProcessMessagesSent.1
Compiling routine AGMPI.Process.AlertProcessSynchronizedResponses.1
Compiling routine AGMPI.Process.AlertProcess.Context.1
Compiling routine AGMPI.Process.AlertProcess.ContextResponseHandlers.1
Compiling routine AGMPI.Process.AlertProcessContext.1
Compiling routine AGMPI.Process.AlertProcessContextResponseHandlers.1
Compiling routine AGMPI.Process.AlertProcess.Thread1.1
Compiling routine AGMPI.Process.AlertProcess.Thread1ChildThreads.1
Compiling routine AGMPI.Process.AlertProcess.Thread1PendingResponses.1
Compiling routine AGMPI.Process.AlertProcess.Thread1SyncResponses.1
Compiling routine AGMPI.Process.AlertProcessThread1.1
Compiling routine AGMPI.Process.AlertProcessThread1ChildThreads.1
Compiling routine AGMPI.Process.AlertProcessThread1PendingResponses.1
Compiling routine AGMPI.Process.AlertProcessThread1SyncResponses.1
Compiling class AGMPI.Process.AlertProcess.Context
Compiling class AGMPI.Process.AlertProcess.Thread1
Compiling table AGMPI_Process_AlertProcess.Context__ResponseHandlers
Compiling table AGMPI_Process_AlertProcess.Context
Compiling table AGMPI_Process_AlertProcess.Thread1__ChildThreads
Compiling table AGMPI_Process_AlertProcess.Thread1
Compiling table AGMPI_Process_AlertProcess.Thread1__PendingResponses
Compiling table AGMPI_Process_AlertProcess.Thread1__SyncResponses
Compiling routine AGMPI.Process.AlertProcess.Context.1
Compiling routine AGMPI.Process.AlertProcess.ContextResponseHandlers.1
Compiling routine AGMPI.Process.AlertProcess.Thread1.1
Compiling routine AGMPI.Process.AlertProcess.Thread1ChildThreads.1
Compiling routine AGMPI.Process.AlertProcess.Thread1PendingResponses.1
Compiling routine AGMPI.Process.AlertProcess.Thread1SyncResponses.1
Load finished successfully.

Updating 9002021.02 record
17:48:27.015:Ens.Director: StopProduction initiated.
17:48:27.028:Ens.Director: No Production is running (Stopped)
Compilation started on 04/21/2021 17:48:27 with qualifiers 'ck'
Compiling class AGMPI.PatientRegistration
Compiling routine AGMPI.PatientRegistration.1
Compilation finished successfully in 0.333s.

Updating Routine file...

Updating KIDS files...

```

```

AGMP 1.0 Installed.
          Apr 21, 2021@17:48:27

Not a VA primary domain

NO Install Message sent

Install Completed

```

Figure 4-22: Install option for a new installation

```

Select Installation <TEST ACCOUNT> Option: 6 Install Package(s)
Select INSTALL NAME:  AGMP 1.0          Loaded from Distribution
4/23/21@16:01:48
          => AGMP 1.0 ;Created on Apr 21, 2021@17:38:19

This Distribution was loaded on Apr 23, 2021@16:01:48 with header of
AGMP 1.0 ;Created on Apr 21, 2021@17:38:19
It consisted of the following Install(s):
AGMP 1.0
Checking Install for Package AGMP 1.0
Will first run the Environment Check Routine, AGMP1E00

          Hello, DEMO USER

          Checking Environment for RPMS MPI CLIENT Software

          Need at least Kernel (XU) v8.0 patch 1018....patch 1018 Present
          Need at least VA FILEMAN (DI) v22.0 patch 1018....patch 1018 Present
          Need at least HEALTH LEVEL SEVEN (HL) v1.6 patch 1006....patch 1006
Present
          Need at least IHS PATIENT REGISTRATION (AG) v7.1 patch 9....patch 9
Present
          Need at least IHS VA SUPPORT FILES (AVA) v93.2 patch 20....patch 20
Present
          Need at least IHS DICTIONARIES (POINTERS) v98.1 patch 20....patch 20
Present
          Need at least IHS DICTIONARIES (PATIENT) (AUPN) v98.1 patch 20....patch 20
Present
nt
          Need at least PIMS v5.3 patch 1016....patch 1016 Present

          THE FOLLOWING STATION NUMBER WAS FOUND IN THE
          INSTITUTION FILE: 8999
          PLEASE CONFIRM WITH THE OIT RPMS DBA THIS IS THE CORRECT
          STATION NUMBER FOR '2016 DEMO HOSPITAL' FACILITY?

Enter Yes or No:  YES

          ENVIRONMENT OK.

Enter RETURN to continue or '^' to exit:

Install Questions for AGMP 1.0

Incoming Files:

```

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

391.72      ADT/HL7 EVENT REASON
Note:  You already have the 'ADT/HL7 EVENT REASON' File.

391.91      TREATING FACILITY LIST
Note:  You already have the 'TREATING FACILITY LIST' File.

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

9002021.01AGMP PARAMETERS
Note:  You already have the 'AGMP PARAMETERS' File.

9002021.02AGMP CLASS TRANSPORT (including data)
Note:  You already have the 'AGMP CLASS TRANSPORT' File.
I will OVERWRITE your data with mine.

Incoming Mail Groups:

Enter the Coordinator for Mail Group 'AGMP MPI': DEMO, ONE//
BET
          SYSTEMS ANALYST

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//

Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//  VIRTUAL

Install Started for AGMP 1.0 :
          Apr 23, 2021@16:03:17

Build Distribution Date: Apr 21, 2021

Installing Routines:
          Apr 23, 2021@16:03:18

Running Pre-Install Routine: PRE^AGMP1P00

Saving the configuration of option 'AGMENU'...

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

Installing Data Dictionaries:
          Apr 23, 2021@16:03:18
```

```
Installing Data:
    Apr 23, 2021@16:03:18

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing MAIL GROUP

Installing PROTOCOL

Installing OPTION
    Apr 23, 2021@16:03:18

Running Post-Install Routine: POST^AGMP1P00

ENTER THE MPI LISTENER PORT. IF THIS IS A MULTI-NAMESPACE SITE,
YOU MUST ENTER A UNIQUE LISTENER PORT FOR EACH AGMPI NAMESPACE
ON THIS SERVER.
ENTER MPI LISTENER PORT FOR THIS NAMESPACE: (5201-5299): 5201//
MOVEMENT EVENTS v 5.3          IHS Appointment Event Driver

    MPI Manager Options [AGMP HLO MPI MANAGER OPTIONS] option
        was added to the Patient registration Menu [AGMENU]

    Importing installer classes
    List started on 04/23/2021 16:03:21
    Listing file E:\InterSystems\HealthShare\mgr\Temp\GBCenigArWrsUQ.xml as xml
    List finished successfully.

    Load started on 04/23/2021 16:03:22
    Loading file E:\InterSystems\HealthShare\mgr\Temp\8F1AuEMeOtQhLg.xml as xml
    Imported class: AGMPI.Install.Installer
    Imported class: AGMPI.Install.PreInstall
    Imported class: AGMPI.Install.ProductionSettings
    Compiling 3 classes, using 3 worker jobs
    Compiling class AGMPI.Install.PreInstall
    Compiling class AGMPI.Install.Installer
    Compiling class AGMPI.Install.ProductionSettings
    Compiling table AGMPI_Install.ProductionSettings
    Compiling routine AGMPI.Install.PreInstall.1
    Compiling routine AGMPI.Install.Installer.1
    Compiling routine AGMPI.Install.ProductionSettings.1
    Load finished successfully.

    Updating 9002021.02 record
    16:03:30.675:Ens.Director: StopProduction initiated.
    16:03:46.412:Ens.Director: Queued messages are being saved in the suspended
    production.
    16:03:46.412:Ens.Director: Production 'AGMPI.PatientRegistration'
    suspended.

    Deleting AGMPI package if it exists
    Deleting class AGMPI.Process.AlertProcess.Context
    Deleting class AGMPI.Process.AlertProcess.Thread1
    Deleting class AGMPI.Adapters.AlertInbound
    Deleting class AGMPI.Adapters.HLOGlobalInbound
    Deleting class AGMPI.Adapters.HLOGlobalOutbound
    Deleting class AGMPI.AlertEmailAddress
```

```

Deleting class AGMPI.Alerts.AlertItem
Deleting class AGMPI.Alerts.AlertLog
Deleting class AGMPI.Install.Installer
Deleting class AGMPI.Install.PostInstall
Deleting class AGMPI.Install.PreInstall
Deleting class AGMPI.Install.ProductionSettings
Deleting class AGMPI.MPIAlertRouting
Deleting class AGMPI.MPIMessageRouting
Deleting class AGMPI.Operations.MPI
Deleting class AGMPI.Operations.RPMS
Deleting class AGMPI.PatientRegistration
Deleting class AGMPI.Process.AlertProcess
Deleting class AGMPI.Process.AlertProcessContext
Deleting class AGMPI.Process.AlertProcessThread1
Deleting class AGMPI.RPMSMessageRouting
Deleting class AGMPI.Services.Alert
Deleting class AGMPI.Services.MPI
Deleting class AGMPI.Services.RPMS
Deleting class AGMPI.Task.StatusCheck

Importing AGMPI classes
List started on 04/23/2021 16:03:49
Listing file E:\InterSystems\HealthShare\mgr\Temp\FhMIt3qZQjwAoQ.xml as xml
List finished successfully.

Load started on 04/23/2021 16:03:49
Loading file E:\InterSystems\HealthShare\mgr\Temp\bqcbya29o05W7w.xml as xml
Imported class: AGMPI.Adapters.AlertInbound
Imported class: AGMPI.Adapters.HLOGlobalInbound
Imported class: AGMPI.Adapters.HLOGlobalOutbound
Imported class: AGMPI.AlertEmailAddress
Imported class: AGMPI.Alerts.AlertItem
Imported class: AGMPI.Alerts.AlertLog
Imported class: AGMPI.Install.Installer
Imported class: AGMPI.Install.PostInstall
Imported class: AGMPI.Install.PreInstall
Imported class: AGMPI.Install.ProductionSettings
Imported class: AGMPI.MPIAlertRouting
Imported class: AGMPI.MPIMessageRouting
Imported class: AGMPI.Operations.MPI
Imported class: AGMPI.Operations.RPMS
Imported class: AGMPI.PatientRegistration
Imported class: AGMPI.Process.AlertProcess.Context
Imported class: AGMPI.Process.AlertProcess.Thread1
Imported class: AGMPI.Process.AlertProcess
Imported class: AGMPI.Process.AlertProcessContext
Imported class: AGMPI.Process.AlertProcessThread1
Imported class: AGMPI.RPMSMessageRouting
Imported class: AGMPI.Services.Alert
Imported class: AGMPI.Services.MPI
Imported class: AGMPI.Services.RPMS
Imported class: AGMPI.Task.StatusCheck
Compiling 25 classes, using 16 worker jobs
Compiling class AGMPI.Install.Installer
Compiling class AGMPI.Install.PostInstall
Compiling class AGMPI.Install.PreInstall
Compiling class AGMPI.Alerts.AlertLog
Compiling class AGMPI.Alerts.AlertItem
Compiling class AGMPI.Install.ProductionSettings
Compiling class AGMPI.AlertEmailAddress

```

```

Compiling class AGMPI.PatientRegistration
Compiling class AGMPI.Task.StatusCheck
Compiling class AGMPI.RPMSMessageRouting
Compiling class AGMPI.MPIAlertRouting
Compiling class AGMPI.MPIMessageRouting
Compiling class AGMPI.Services.Alert
Compiling class AGMPI.Services.RPMS
Compiling class AGMPI.Services.MPI
Compiling class AGMPI.Adapters.HLOGlobalOutbound
Compiling class AGMPI.Adapters.HLOGlobalInbound
Compiling class AGMPI.Operations.RPMS
Compiling class AGMPI.Operations.MPI
Compiling class AGMPI.Adapters.AlertInbound
Compiling class AGMPI.Process.AlertProcess
Compiling class AGMPI.Process.AlertProcess.Context
Compiling class AGMPI.Process.AlertProcessContext
Compiling class AGMPI.Process.AlertProcess.Thread1
Compiling class AGMPI.Process.AlertProcess.Thread1
Compiling table AGMPI_Alerts.AlertLog
Compiling table AGMPI.AlertEmailAddress
Compiling table AGMPI_Process.AlertProcessThread1__SyncResponses
Compiling table AGMPI_Process.AlertProcessContext__ResponseHandlers
Compiling table AGMPI_Process.AlertProcess.Context
Compiling table AGMPI_Process.AlertProcessThread1__ChildThreads
Compiling table AGMPI_Process.AlertProcess_MessagesReceived
Compiling table AGMPI_Process.AlertProcess_MasterPendingResponses
Compiling table AGMPI_Process.AlertProcess_MessagesSent
Compiling table AGMPI_Process.AlertProcess__SynchronizedResponses
Compiling table AGMPI_Process.AlertProcessThread1__PendingResponses
Compiling table AGMPI_Alerts.AlertItem
Compiling table AGMPI_Process.AlertProcessContext
Compiling table AGMPI_Process.AlertProcessThread1
Compiling table AGMPI_Process.AlertProcess.Context__ResponseHandlers
Compiling table AGMPI_Install.ProductionSettings
Compiling table AGMPI_Process.AlertProcess.Thread1__ChildThreads
Compiling table AGMPI_Process.AlertProcess.Thread1__SyncResponses
Compiling table AGMPI_Process.AlertProcess.Thread1__PendingResponses
Compiling table AGMPI_Process.AlertProcess.Thread1
Compiling table AGMPI_Process.AlertProcess
Compiling routine AGMPI.Install.PostInstall.1
Compiling routine AGMPI.Install.PreInstall.1
Compiling routine AGMPI.Install.Installer.1
Compiling routine AGMPI.MPIMessageRouting.1
Compiling routine AGMPI.MPIAlertRouting.1
Compiling routine AGMPI.PatientRegistration.1
Compiling routine AGMPI.RPMSMessageRouting.1
Compiling routine AGMPI.Services.Alert.1
Compiling routine AGMPI.Task.StatusCheck.1
Compiling routine AGMPI.Adapters.HLOGlobalOutbound.1
Compiling routine AGMPI.Services.RPMS.1
Compiling routine AGMPI.Alerts.AlertLog.1
Compiling routine AGMPI.Install.ProductionSettings.1
Compiling routine AGMPI.Adapters.HLOGlobalInbound.1
Compiling routine AGMPI.Adapters.AlertInbound.1
Compiling routine AGMPI.Services.MPI.1
Compiling routine AGMPI.Operations.RPMS.1
Compiling routine AGMPI.Operations.MPI.1
Compiling routine AGMPI.AlertEmailAddress.1
Compiling routine AGMPI.Alerts.AlertItem.1
Compiling routine AGMPI.Process.AlertProcess.1

```

```

Compiling routine AGMPI.Process.AlertProcessMasterPendingResponses.1
Compiling routine AGMPI.Process.AlertProcessMessagesReceived.1
Compiling routine AGMPI.Process.AlertProcessMessagesSent.1
Compiling routine AGMPI.Process.AlertProcessSynchronizedResponses.1
Compiling routine AGMPI.Process.AlertProcess.Context.1
Compiling routine AGMPI.Process.AlertProcess.ContextResponseHandlers.1
Compiling routine AGMPI.Process.AlertProcessContext.1
Compiling routine AGMPI.Process.AlertProcessContextResponseHandlers.1
Compiling routine AGMPI.Process.AlertProcess.Thread1.1
Compiling routine AGMPI.Process.AlertProcess.Thread1ChildThreads.1
Compiling routine AGMPI.Process.AlertProcess.Thread1PendingResponses.1
Compiling routine AGMPI.Process.AlertProcess.Thread1SyncResponses.1
Compiling routine AGMPI.Process.AlertProcessThread1.1
Compiling routine AGMPI.Process.AlertProcessThread1ChildThreads.1
Compiling routine AGMPI.Process.AlertProcessThread1PendingResponses.1
Compiling routine AGMPI.Process.AlertProcessThread1SyncResponses.1
Compiling class AGMPI.Process.AlertProcess.Context
Compiling class AGMPI.Process.AlertProcess.Thread1
Compiling table AGMPI_Process_AlertProcess.Context
Compiling table AGMPI_Process_AlertProcess.Context__ResponseHandlers
Compiling table AGMPI_Process_AlertProcess.Thread1__ChildThreads
Compiling table AGMPI_Process_AlertProcess.Thread1
Compiling table AGMPI_Process_AlertProcess.Thread1__PendingResponses
Compiling table AGMPI_Process_AlertProcess.Thread1__SyncResponses
Compiling routine AGMPI.Process.AlertProcess.Context.1
Compiling routine AGMPI.Process.AlertProcess.ContextResponseHandlers.1
Compiling routine AGMPI.Process.AlertProcess.Thread1.1
Compiling routine AGMPI.Process.AlertProcess.Thread1ChildThreads.1
Compiling routine AGMPI.Process.AlertProcess.Thread1PendingResponses.1
Compiling routine AGMPI.Process.AlertProcess.Thread1SyncResponses.1
Load finished successfully.

Updating 9002021.02 record
16:03:53.413:Ens.Director: StopProduction initiated.
16:03:53.413:Ens.Director: No Production is running (Suspended)
Compilation started on 04/23/2021 16:03:53 with qualifiers 'ck'
Compiling class AGMPI.PatientRegistration
Compiling routine AGMPI.PatientRegistration.1
Compilation finished successfully in 0.145s.

Updating Routine file...

Updating KIDS files...

AGMP 1.0 Installed.
      Apr 23, 2021@16:03:54

Not a VA primary domain

NO Install Message sent

Install Completed

```

Figure 4-23: Install option for an upgrade or re-installation

4.2.5 Verify Package Integrity

After installation, it is a good idea to verify package integrity.

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 **AGMP** and press Enter.
4. At the “DEVICE” prompt, press Enter to accept the default.
5. After a system check, look for a line similar to the following:

```
20 Routines checked, 0 failed.
```

Each package will have a different number of routines installed, but the critical information is that none of the routines failed.

```
Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option:
UTILITIES

Build File Print
Install File Print
Edit Install Status
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 <TEST ACCOUNT> Option: VERIFY PACKAGE Integrity
Select BUILD NAME: AGMP 1.0      MASTER PATIENT INDEX      MASTER PATIENT
INDEX

Want each Routine Listed with Checksums: Yes//  YES
DEVICE: HOME//  VIRTUAL
PACKAGE: AGMP 1.0      Apr 23, 2021 4:08 pm      PAGE
1
-----
-----

AGMPACK   Calculated   11663677
AGMPADT   Calculated   12398252
AGMPBGP   Calculated   6740618
AGMPCHK   Calculated   60644548
AGMPCLAS  Calculated   18542101
```

```

AGMPEDIT  Calculated  12909447
AGMPHL1   Calculated  147068524
AGMPHLO   Calculated  134329179
AGMPMFN   Calculated  64866847
AGMPMICN  Calculated  38615624
AGMPOPT   Calculated  25572702
AGMPPID   Calculated  37827898
AGMPPIVT  Calculated  3303030
AGMPPRST  Calculated  6940234
AGMPPURG  Calculated  13454670
AGMPRPT1  Calculated  163239408
Enter RETURN to continue or '^' to exit:
PACKAGE: AGMP 1.0      Apr 23, 2021 4:08 pm          PAGE
2
-----
-----
AGMPRPT2  Calculated  28719823
AGMPSMSG  Calculated  76112084
AGMPVQQ   Calculated  6186507
VAFCD01   Calculated  39275530

      20 Routines checked, 0 failed.

```

Figure 4-24: Verify Package Integrity option

4.3 Post-Installation

4.3.1 Assign Security Keys

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

Note: This is a different security key than was used by previous versions of the MPI application. It is necessary to assign this security key even if MPI was previously installed.

4.3.2 Demo Patient Sort Template

To prevent potential corruption of patient data in the central MPI, the AGMP application does not permit uploading demo patients. The AGMP application considers a patient a demo patient if any one of the following criteria is met:

- The TEST PATIENT INDICATOR (field 0.6) in VA PATIENT (file 2) is set.
- The first five digits of the patient’s social security number are 0.
- The patient’s name starts with “DEMO,PATIENT”.
- The patient is in the RPMS DEMO PATIENT NAMES sort template.

Add any demo patients at the site that do not meet the first three criteria to the RPMS DEMO PATIENT NAME sort template to ensure they are not uploaded to the central MPI.

Note: Patients with the name “DEMO,PATIENTCCDA” or “DEMO,PATIENTMPI” are permitted to be uploading by the AGMP HLO A28 ADD PATIENT option for the purposes of testing. This behavior is not affected by the RPMS DEMO PATIENT NAMES template or any of the other demo patient criteria listed.

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. In an upgrade, the installer attempts to restore previous configuration settings. However, it is possible that the settings are not restored, so it is recommended to verify these settings. The Allowed IP Addresses value is not restored; if a value was observed in Section 4.1.4, apply that value following the instructions in Section 5.5.

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** or **HealthShare icon** menu located in the system tray.

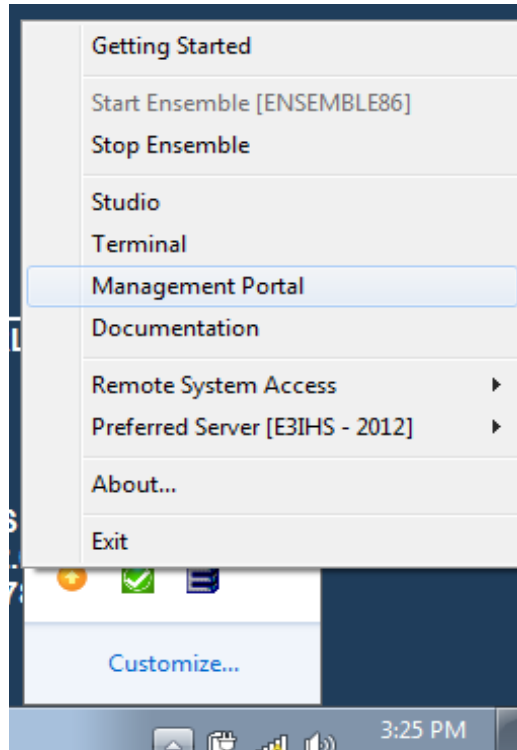


Figure 5-1: Management Portal option

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

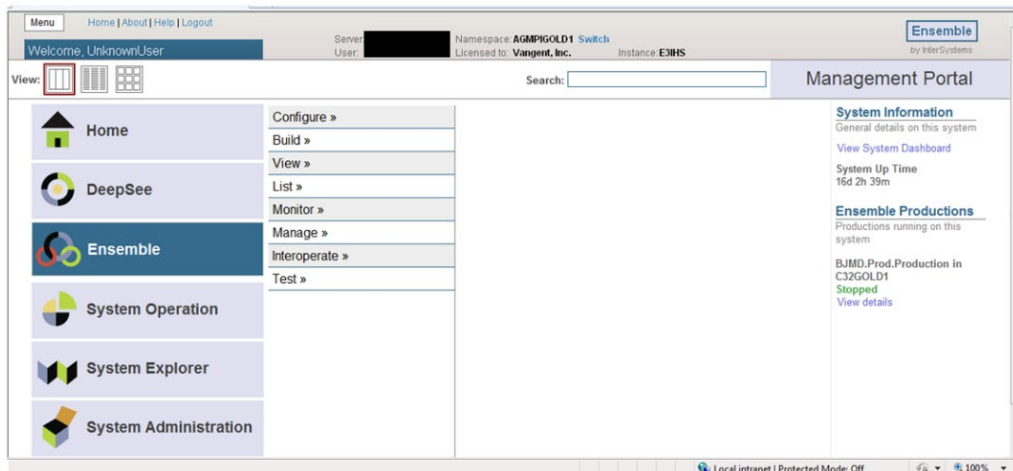


Figure 5-2: Management Portal page

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.

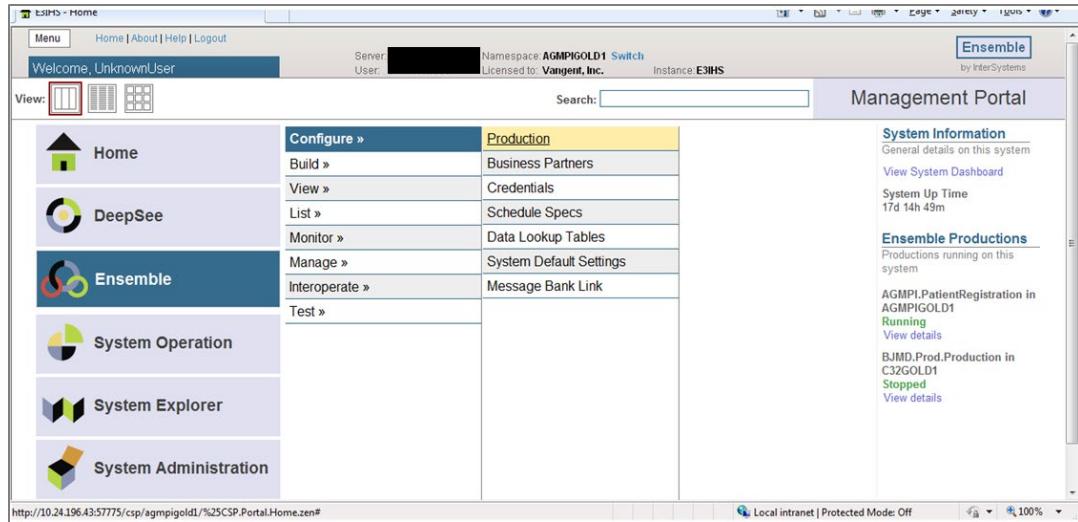


Figure 5-3: **Production Configuration** page

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

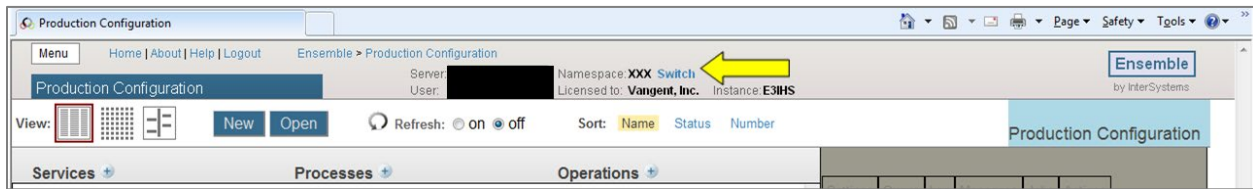


Figure 5-4: **Switch** link

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

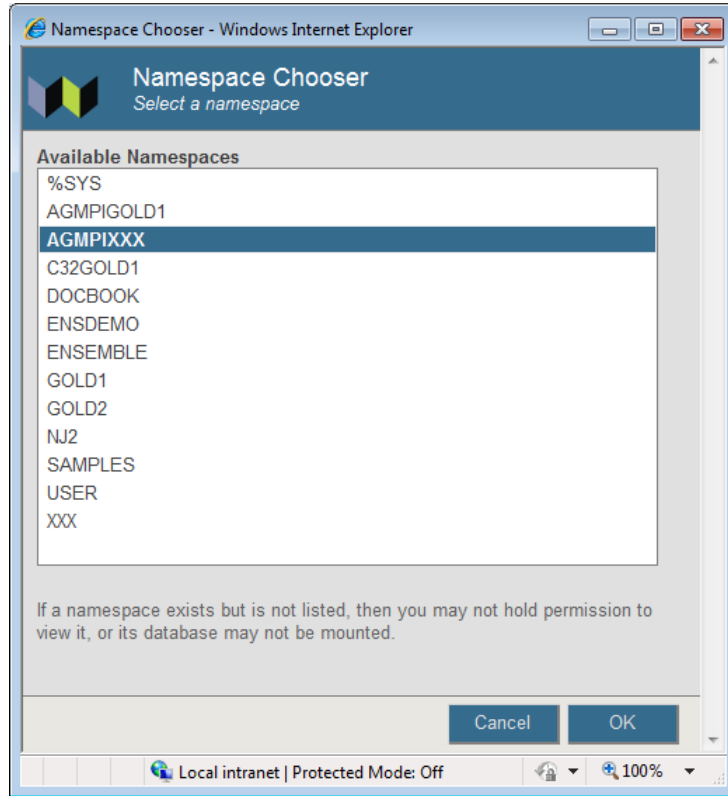


Figure 5-5: Namespace Chooser page

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

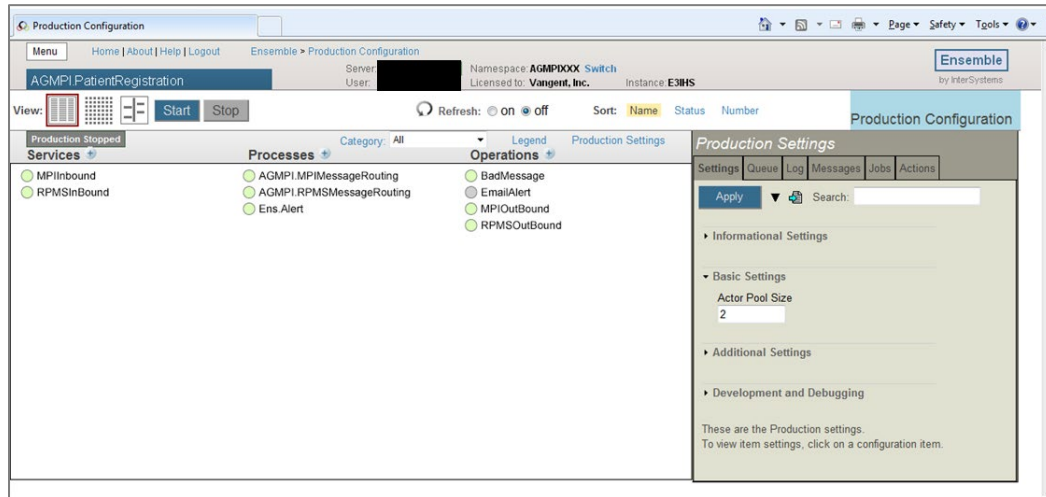


Figure 5-6: AGMPI.PatientRegistration production instance

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.

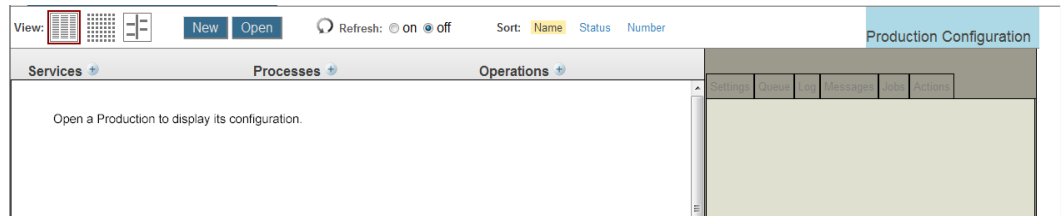


Figure 5-7: Open Production to display

5. Click **Open** to choose a production to configure from the existing productions defined in this namespace using the Finder Dialog.
6. Once a production has been opened, 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.

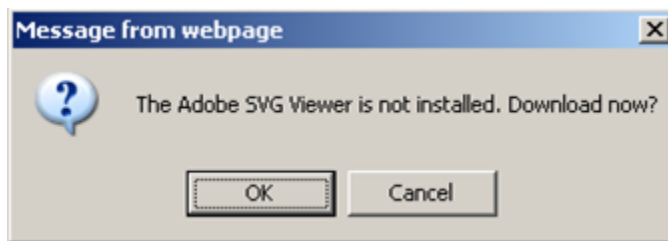


Figure 5-8: **Message from webpage** dialog box

- 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.

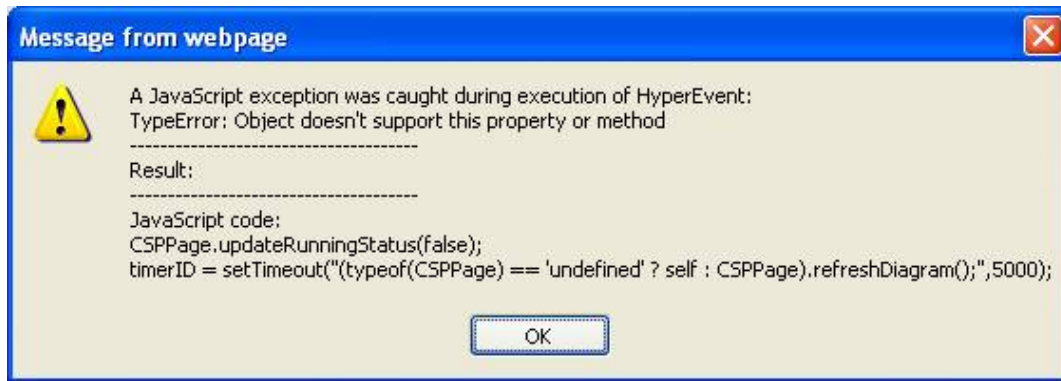


Figure 5-9: JavaScript error

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.

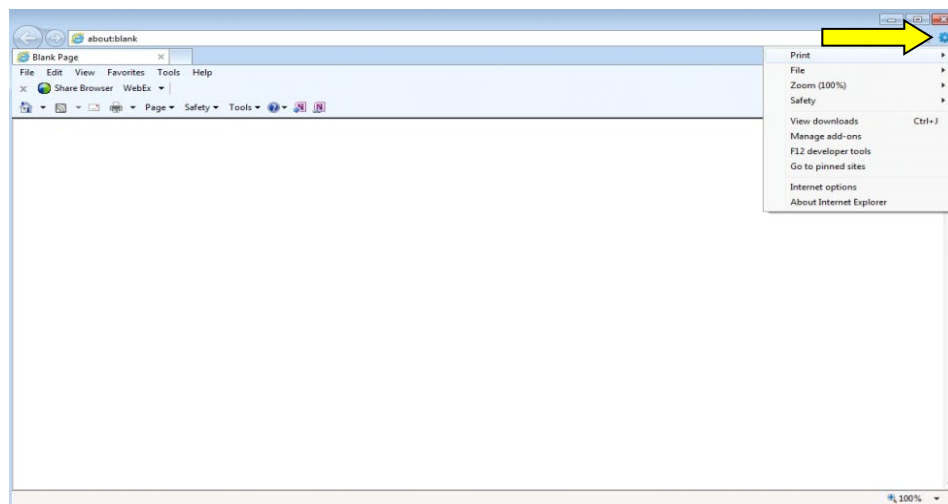


Figure 5-10: Gear menu in Internet Explorer 9

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

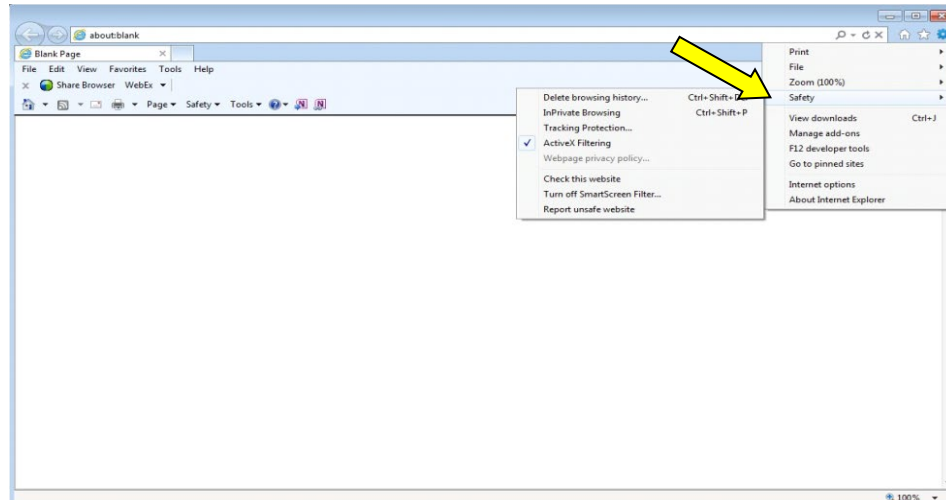


Figure 5-11: Safety sub-menu in Internet Explorer 9

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

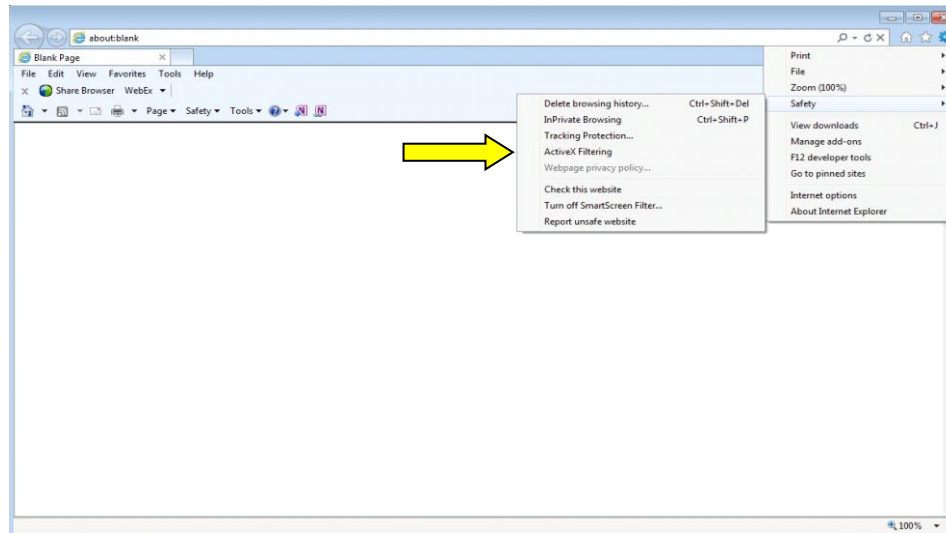


Figure 5-12: Clearing ActiveX Filtering in Internet Explorer 9

- d. Download and install the latest version of the Adobe SVG Viewer, which is available at <https://www.adobe.com/devnet/svg/adobe-svg-viewer-download-area.html>. 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. The actual production instance may look slightly different from the example shown in Figure 5-13.

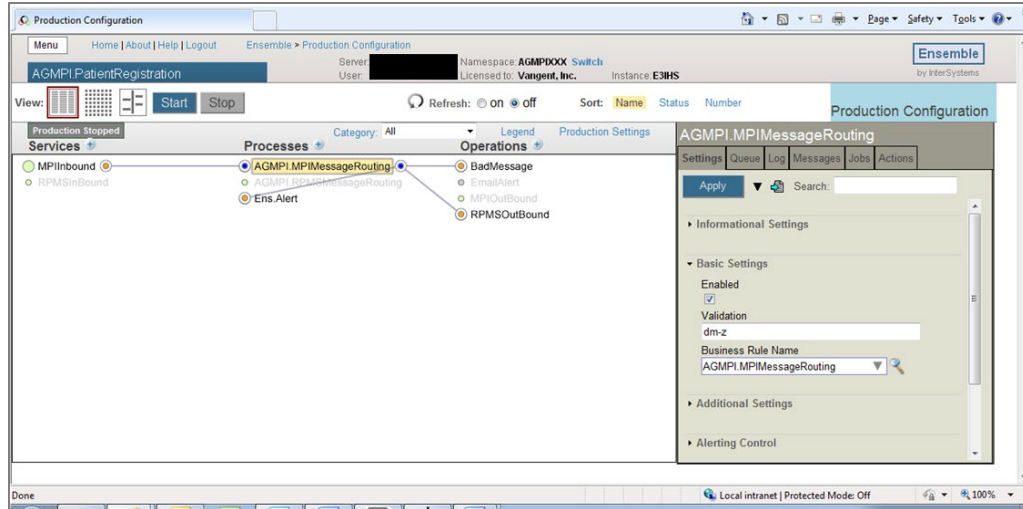


Figure 5-13: Graphic representation of the production instance on the **Production Configuration** page

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.

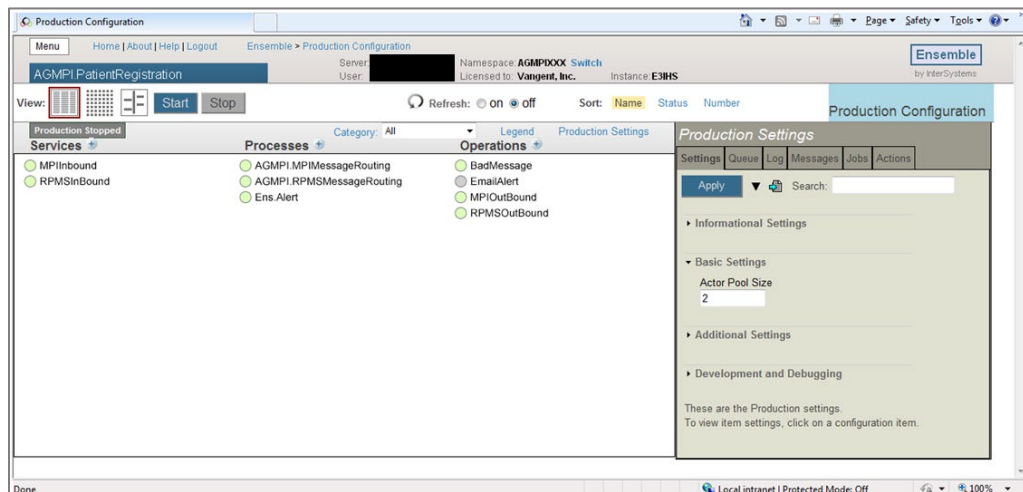


Figure 5-14: Production Configurations page for AGMPI.PatientRegistration production

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).

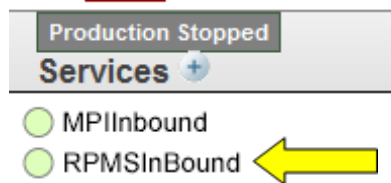


Figure 5-15: **RPMSInBound** item

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.

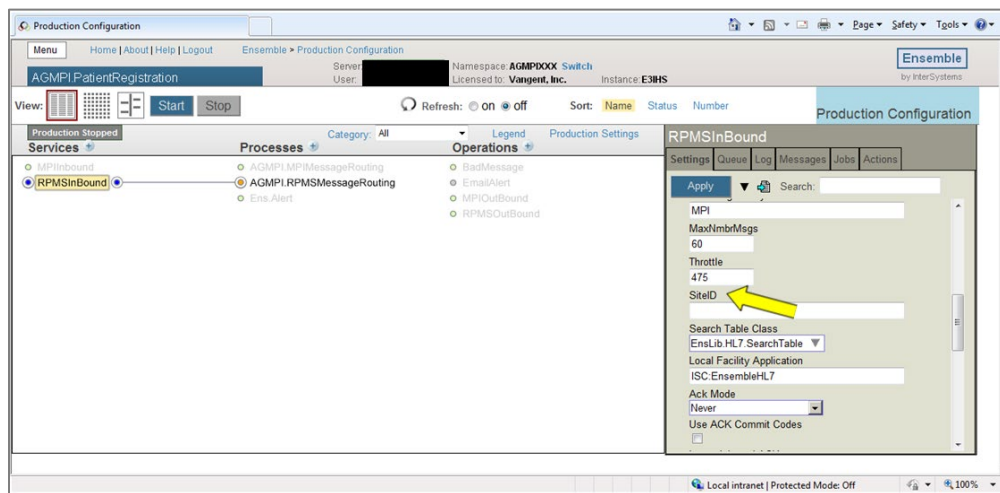


Figure 5-16: Changing a field in the **Configuration** page

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

 RPMSInBound

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.

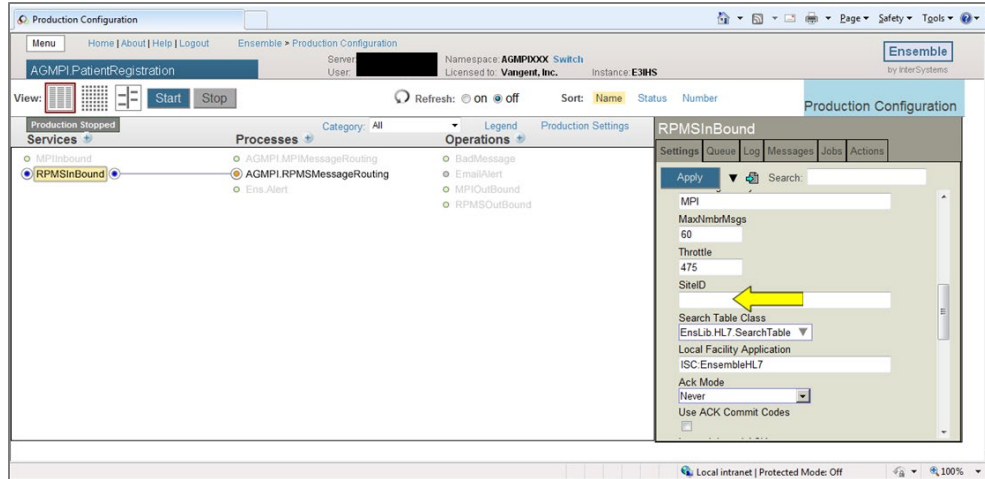


Figure 5-18: RPMSInBound settings

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

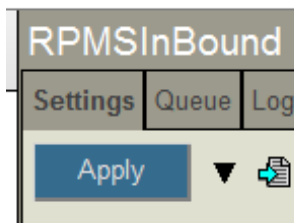


Figure 5-19: **Apply** button

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

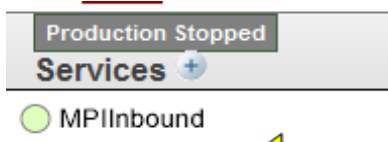


Figure 5-20: **MPIInbound** link

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

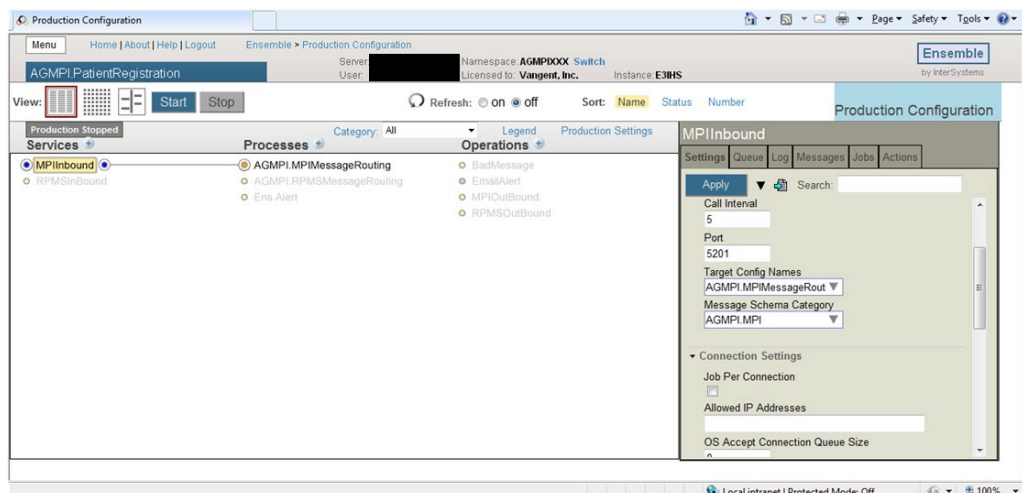


Figure 5-21: **MPIInbound** configuration

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 IT Service Desk.

Set the **Port** field to the value entered in the KIDS installation, as described in section 4.2.4.

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	The port entered during the KIDS installation, 5201 for single namespace sites or 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.

5.7 AGMPI.RPMSMessageRouting Settings

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

5.8 Ens.Alert Settings

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

5.9 RPMSOutBound Settings

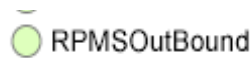


Figure 5-22: RPMSOutBound link

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

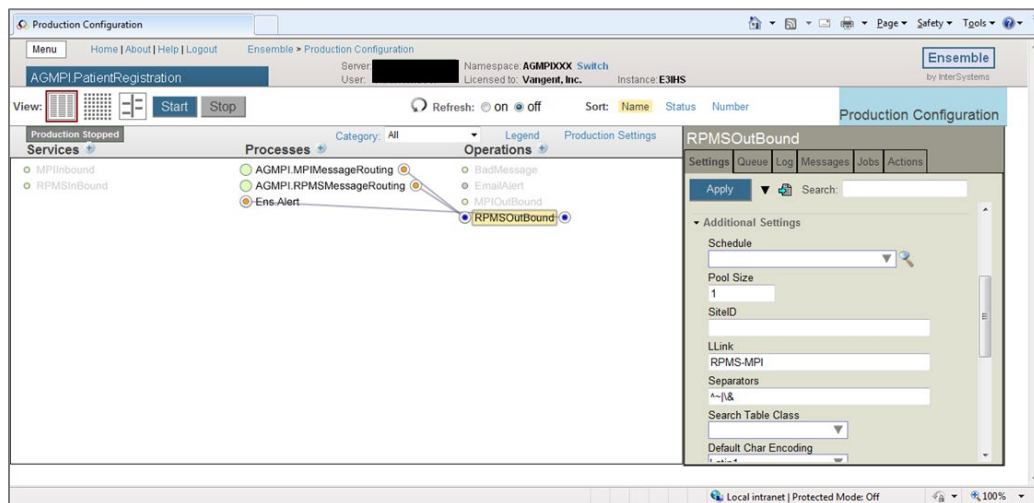


Figure 5-23: RPMSOutBound configuration settings

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 .

5.10 MPIOutBound Settings



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.

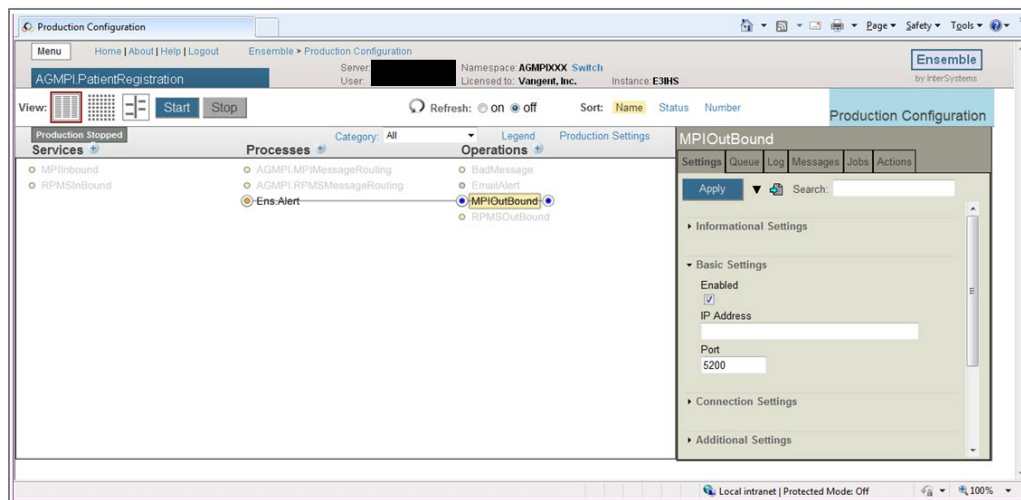


Figure 5-25: MPIOutBound configuration settings

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 IT Service 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 .
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 .

5.11 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.

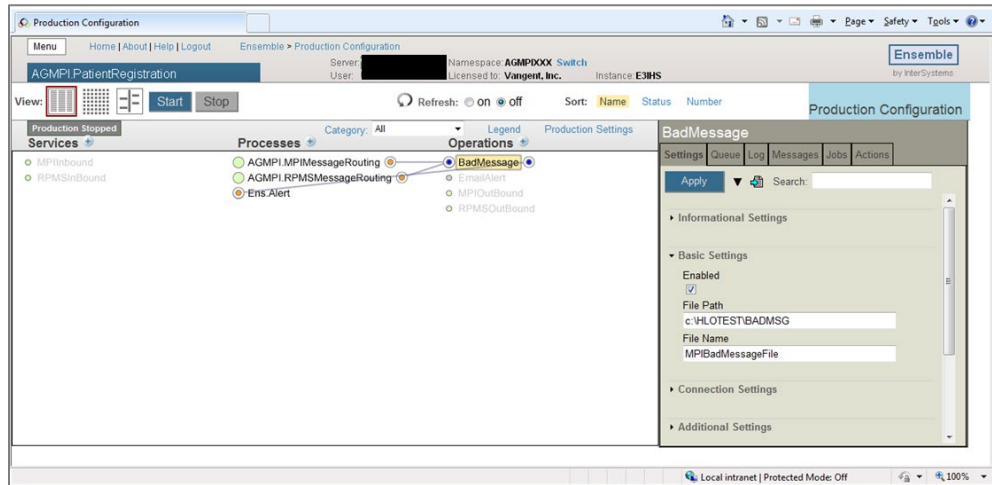


Figure 5-27: **BadMessage** configuration

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 folder to store bad messages>	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 .

5.12 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.

5.12.1 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.

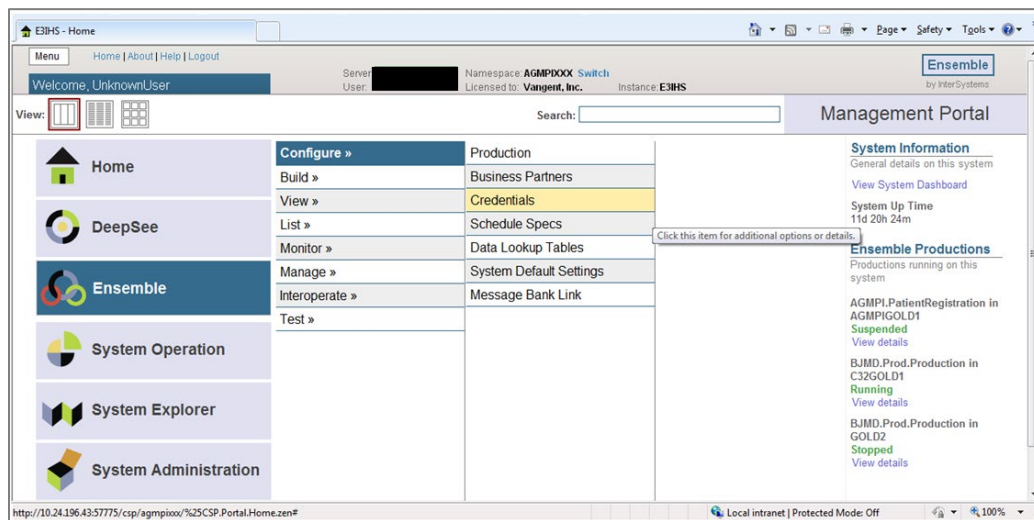


Figure 5-28: Management Portal page

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.

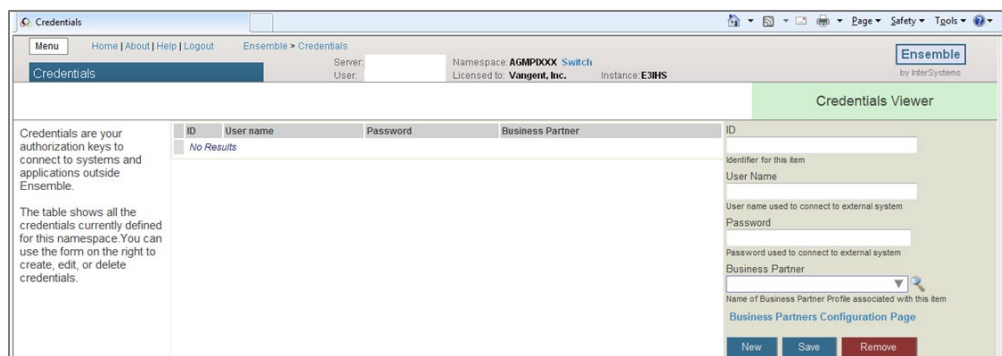


Figure 5-29: Ensemble Credentials page

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.

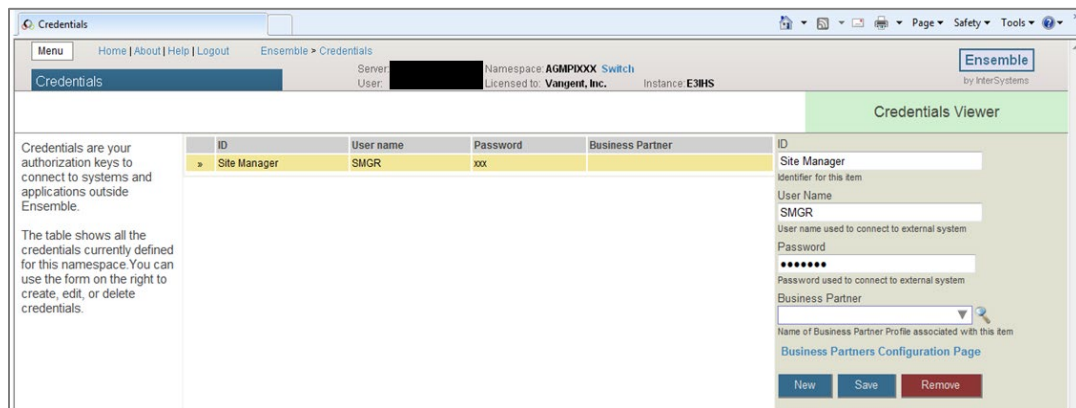


Figure 5-30: Newly created credential in the **Credentials** page

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.

5.12.2 EmailAlert Settings

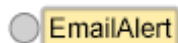


Figure 5-31: **EmailAlert** operation

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

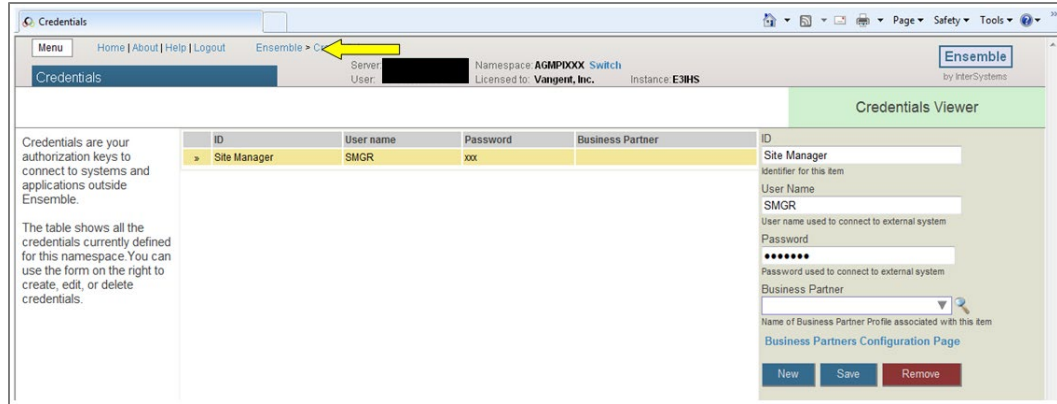


Figure 5-32: Ensemble link on the Credentials page

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

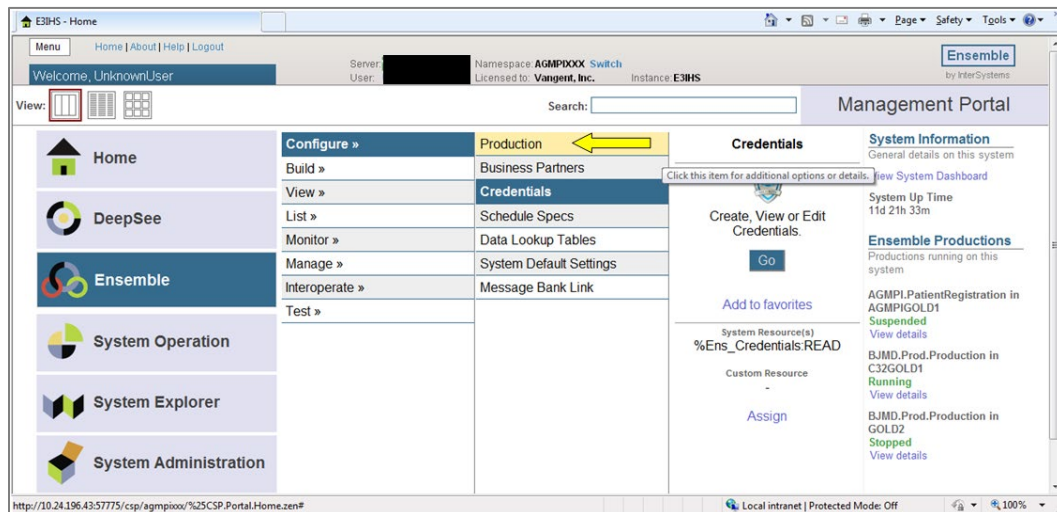


Figure 5-33: Management Portal page showing Ensemble Configure Production

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.

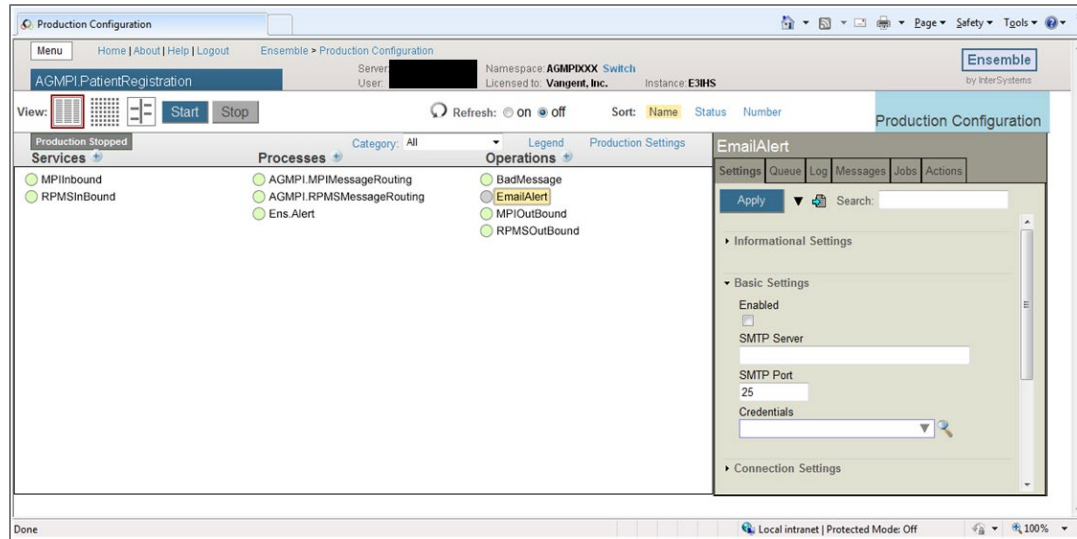


Figure 5-34: **EmailAlert** configuration

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 IT Service 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.

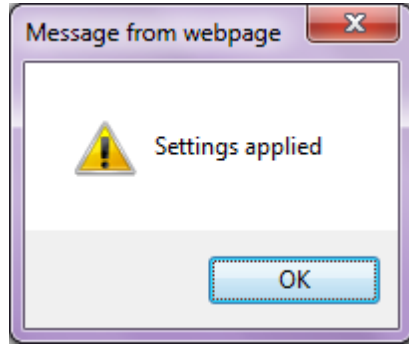


Figure 5-35: **Settings Applied** message

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
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 .

Setting	Value	Comments
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 Start the MPI Application

The instructions in this section should be followed only if the MPI application was previously installed and this is an upgrade or reinstall. If this is a new installation, skip this section and proceed to Section 7.0.

Warning: Do not start the application if the site has not already been onboarded with the central MPI server.

6.1 Start the Ensemble Production

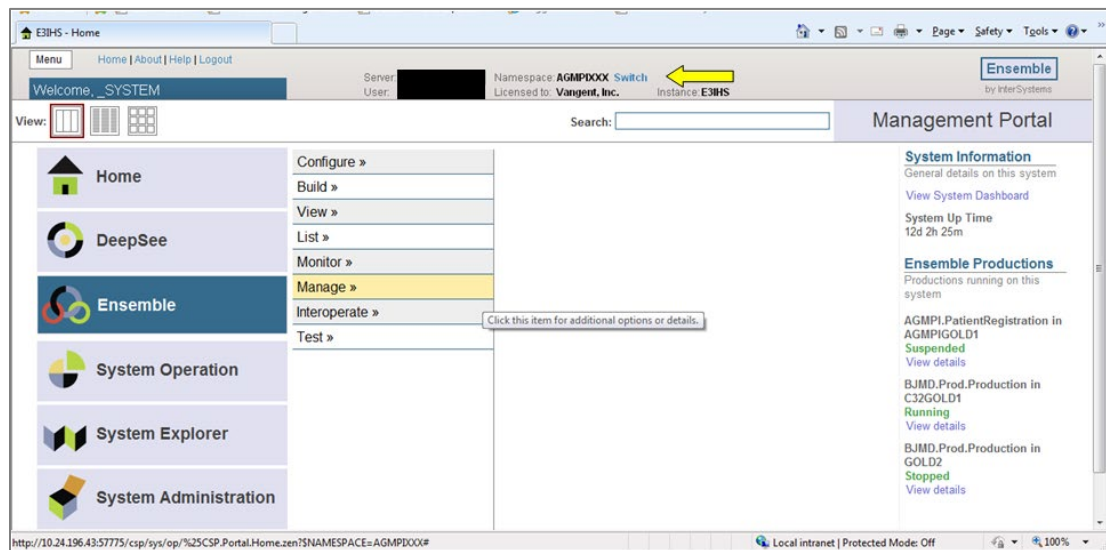


Figure 6-1: Management Portal page

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.

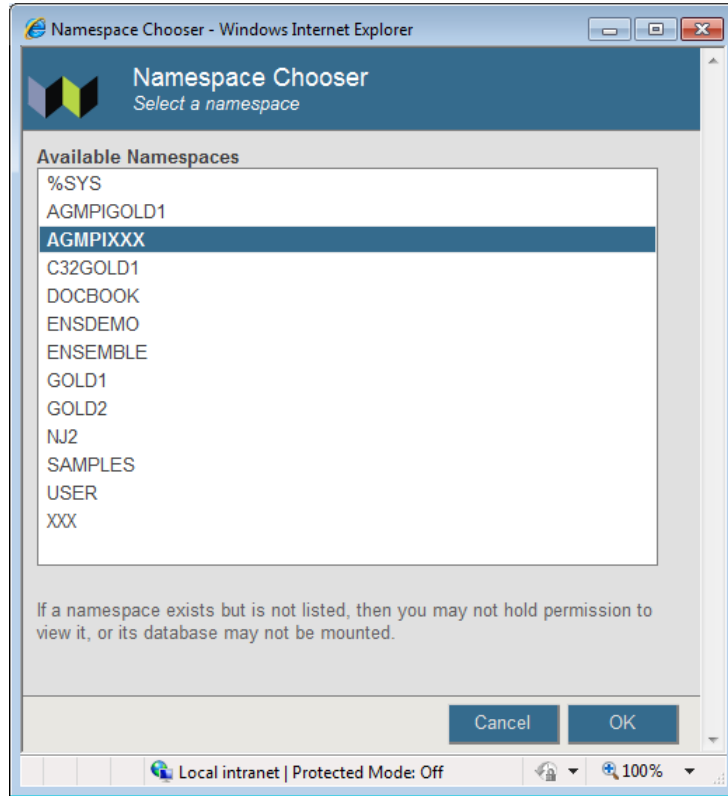


Figure 6-2: Namespace Chooser page

Click **Ensemble**, then click **Configure**, then click **Production**, as shown in Figure 6-3.

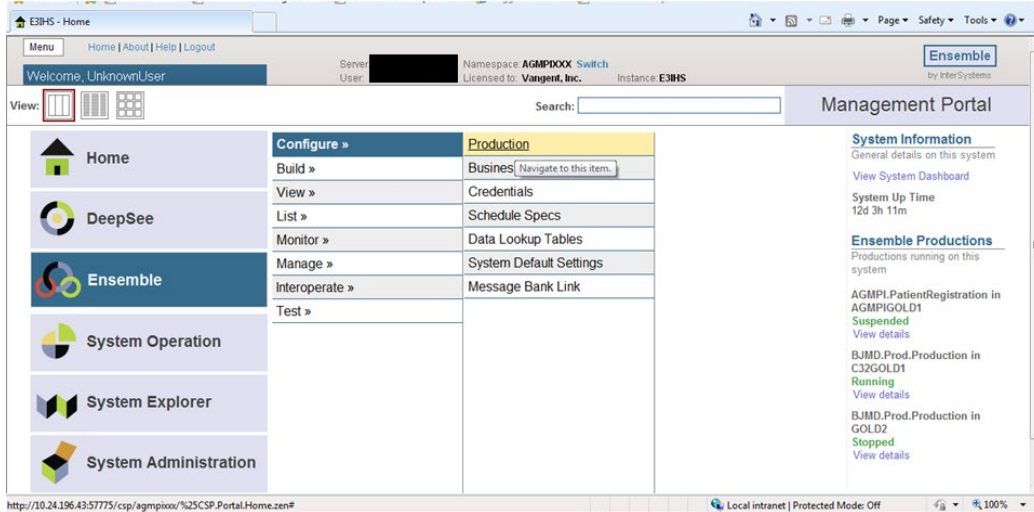


Figure 6-3: Management Portal Configure Production page

To start a production, click the **Start** button on the **Production Configuration** page, as shown in Figure 6-4, then click **OK** in the **Start Production** dialog box.

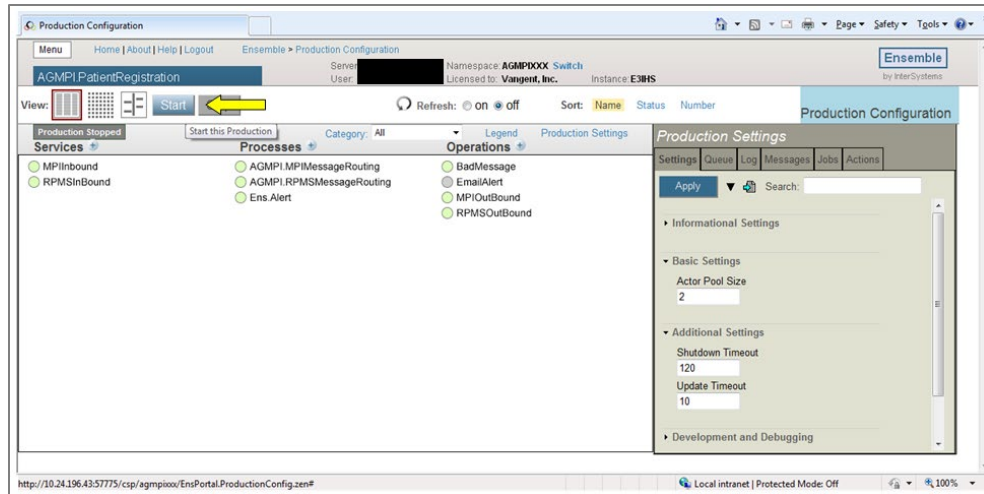


Figure 6-4: Start a production instance by clicking the **Start** button

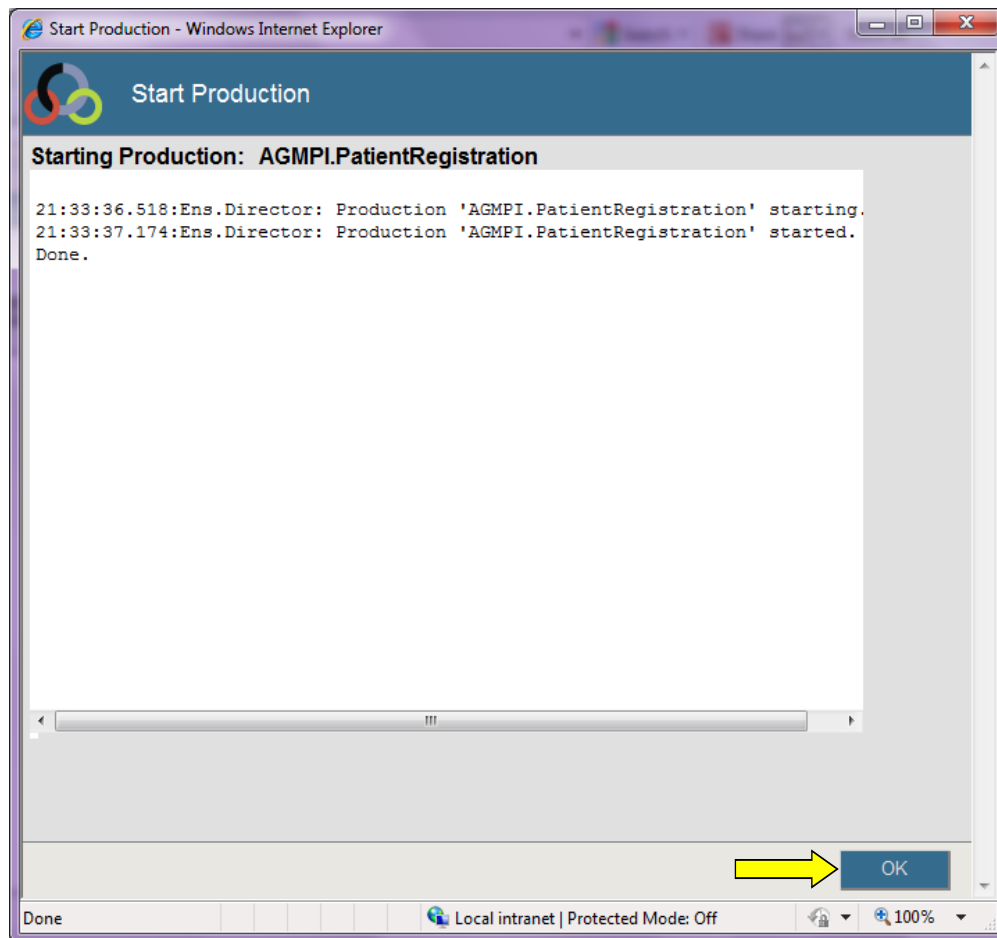


Figure 6-5: Starting the **AGMPI.PatientRegistration** production instance

Figure 6-6 shows the **AGMPI.PatientRegistration** production instance running.

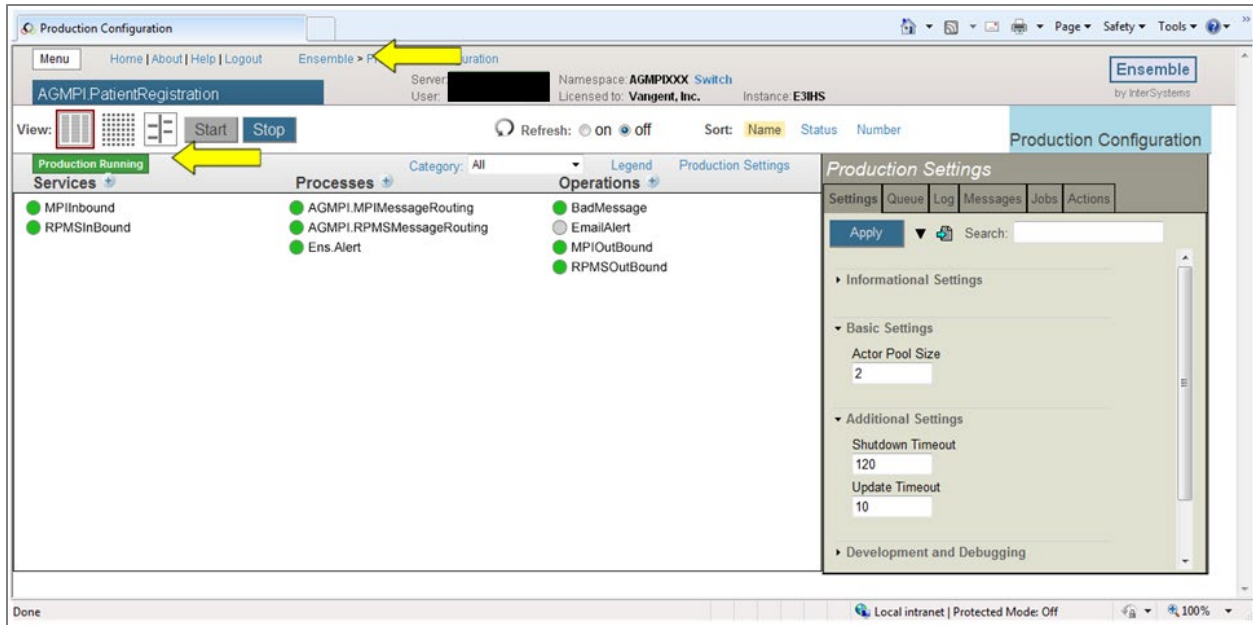


Figure 6-6: Production Configuration – AGMPI.PatientRegistration production instance is running

3. Click on the **Ensemble** link at the top of the **Production Configuration** page to return to the **Management Portal** page.
4. Click **Ensemble**, then click **List**, then click **Productions** to display the Production List page listing the status of all productions in the selected namespace.

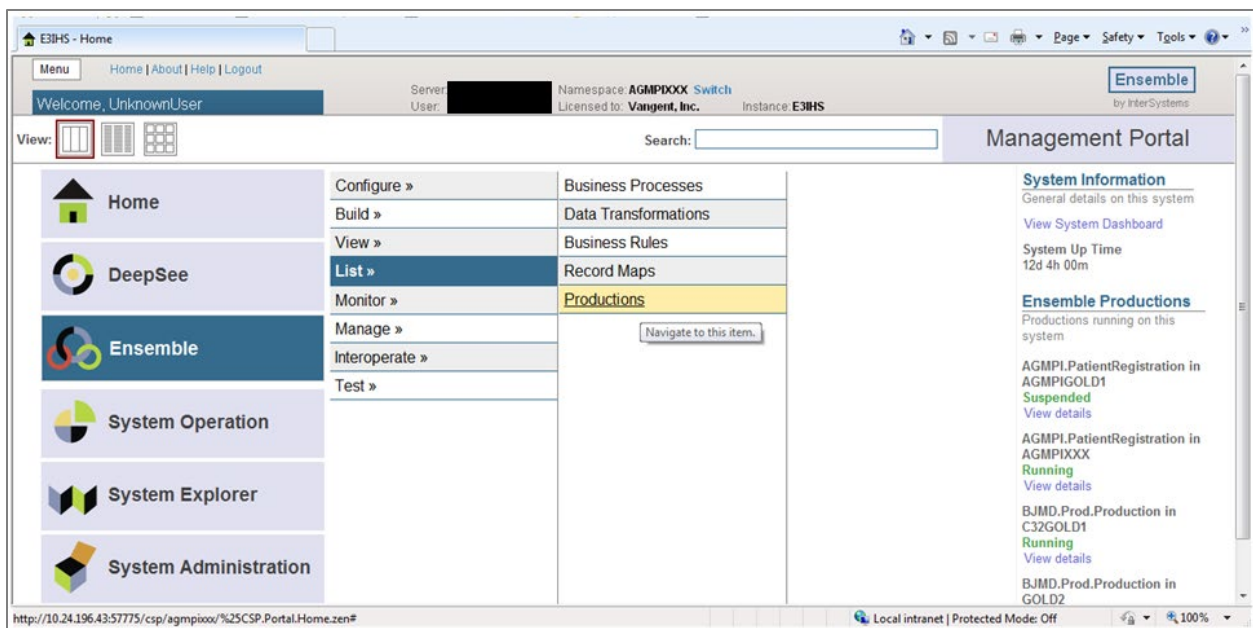


Figure 6-7: Management Portal showing the Ensemble List Productions option

Figure 6-8 shows the **AGMPI.PatientRegistration** production instance running.

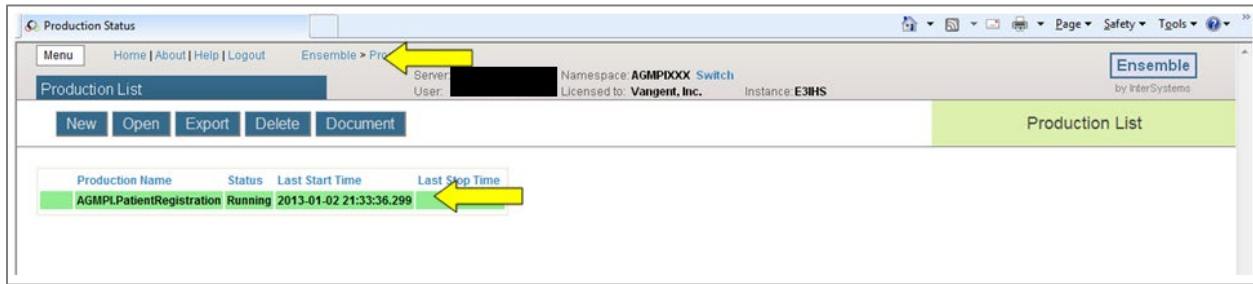


Figure 6-8: **AGMPI.PatientRegistration** production instance with a status of Running

- 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 6-9.

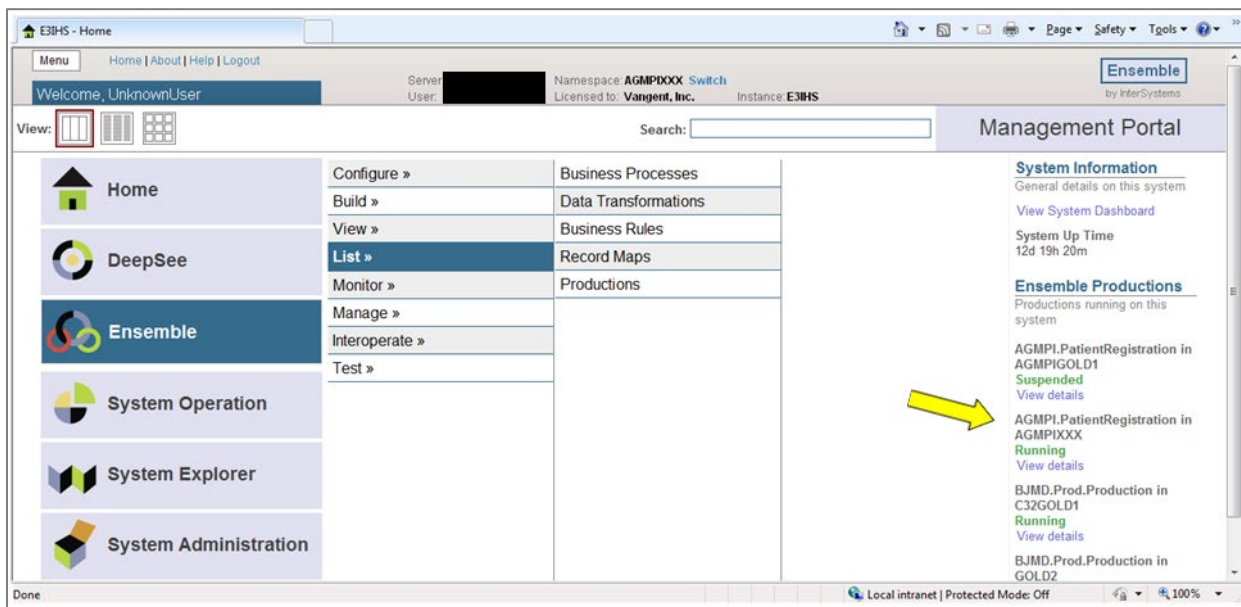


Figure 6-9: **Management Portal** page showing the **AGMPI.PatientRegistration** production instance with a status of Running

6.2 Verify Background Task Schedule

The following five tasks must be scheduled in TaskMan:

- AGMP MPI MISSING ICN TSK – daily
- AGMP A08 BCKGRND TSK – every five minutes
- AGMP ACK BCKGRND TSK – every five minutes

4. AGMP MPI PURGE HLO MSGS – weekly
5. VAFH PIVOT PURGE – weekly

6.2.1 Verify the AGMP MPI MISSING ICN TSK Task Schedule

Use TaskMan to verify the AGMP MPI MISSING ICN TSK task is scheduled 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. Verify the following settings:
 - a. At the “QUEUED TO RUN AT WHAT TIME” prompt, a timestamp is set.
5. At the “QUEUED TO RUN ON VOLUME SET” prompt, the site volume set is specified.
6. At the “RESCHEDULING FREQUENCY” prompt, the value is **1D**.
7. At the “SPECIAL QUEUEING” prompt, the value is **STARTUP**.

```

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 6,2020@2300

```

```

DEVICE FOR QUEUED JOB OUTPUT:

  QUEUED TO RUN ON VOLUME SET: <<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 6-10: AGMP MPI MISSING ICN TSK scheduled in TaskMan

6.2.2 Verify the AGMP A08 BCKGRND UPDATE TSK Task Schedule

Use TaskMan to verify the AGMP A08 BCKGRND UPDATE TSK task is scheduled to run every five minutes.

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. Verify the following settings:
 - a. At the “QUEUED TO RUN AT WHAT TIME” prompt, a timestamp is set.
 - b. At the “QUEUED TO RUN ON VOLUME SET” prompt, the site volume set is specified.
 - c. At the “RESCHEDULING FREQUENCY” prompt, the value is **300S**.
 - d. At the “SPECIAL QUEUEING” prompt, the value is **STARTUP**.

```

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 6-11: AGMP A08 BCKGRND UPDATE TSK scheduled in TaskMan

6.2.3 Verify the AGMP ACK BCKGRND TSK Task Schedule

Use TaskMan to verify the AGMP ACK BCKGRND TSK task is scheduled to run every five minutes.

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. Verify the following settings:
 - a. At the “QUEUED TO RUN AT WHAT TIME” prompt, a timestamp is set.
 - b. At the “QUEUED TO RUN ON VOLUME SET” prompt, the site volume set is specified.

c. At the “RESCHEDULING FREQUENCY” prompt, the value is **300S**.

```

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 Queuing

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 6-12: AGMP ACK BCKGRND TSK scheduled in TaskMan

6.2.4 Verify the AGMP MPI PURGE HLO MSGS Task Schedule

Use TaskMan to verify the PURGE HLO MSGS task is scheduled to run every week.

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. Verify the following settings:
 - a. At the “QUEUED TO RUN AT WHAT TIME” prompt, a timestamp is set. It is recommended that this task be scheduled to run on a weekend morning.
 - b. At the “QUEUED TO RUN ON VOLUME SET” prompt, the site volume set is specified.
 - c. At the “RESCHEDULING FREQUENCY” prompt, the value is **7D**.

```

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 6-13: AGMP MPI PURGE HLO MSGS scheduled in TaskMan

6.2.5 Verify the VAFH PIVOT PURGE Task Schedule

Use TaskMan to verify the VAFH PIVOT PURGE task is scheduled to run every week.

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. Verify the following settings:
 - a. At the “QUEUED TO RUN AT WHAT TIME” prompt, a timestamp is set. It is recommended that this task be scheduled to run on a weekend morning.
 - b. At the “QUEUED TO RUN ON VOLUME SET” prompt, the site volume set is specified.
 - c. At the “RESCHEDULING FREQUENCY” prompt, the value is **7D**.
 - d. At the “SPECIAL QUEUEING” prompt, the value is **STARTUP**.

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 Queuing

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 6-14: VAFH PIVOT PURGE scheduled in TaskMan

```

NAME: VAFH PIVOT PURGE                MENU TEXT: Purge PIMS HL7 PIVOT
file
TYPE: run routine                    CREATOR: DEMO,ONE

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 6-15: VAFH PIVOT PURGE description

Note: The remaining instructions in this manual are for configuring a new installation and onboarding to the central MPI application. If this installation was an upgrade or reinstall of an existing MPI application, then at this point the installation is complete and the rest of the installation process should be skipped.

7.0 Schedule the AGMPI Message Purge Task

The instructions in this section should be followed only for a new installation. If this is an upgrade or reinstall, skip this section.

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.

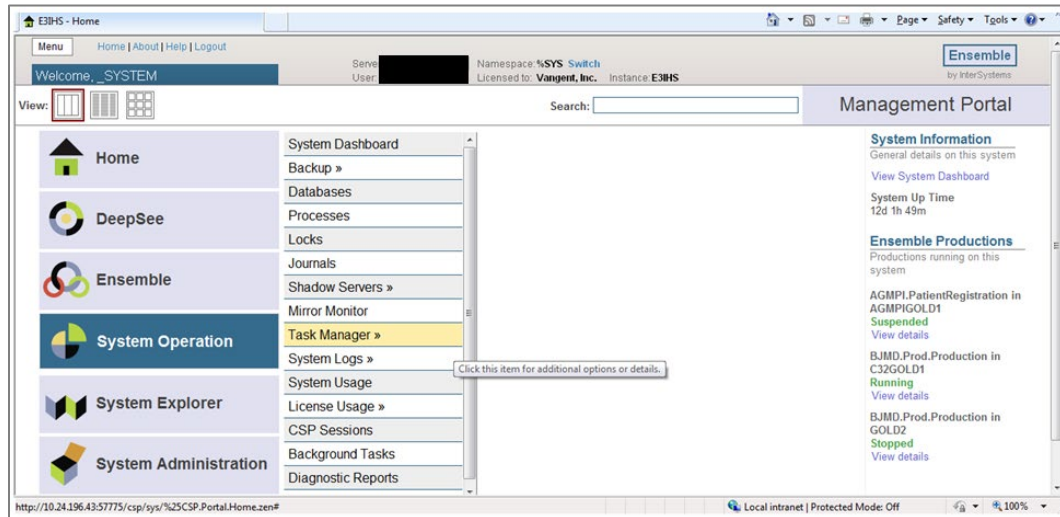


Figure 7-1: Management Portal page with System Operation Task Manager highlighted

1. On the Management Portal page, click Task Manager to display the Task Manager menu, as shown in Figure 7-2.

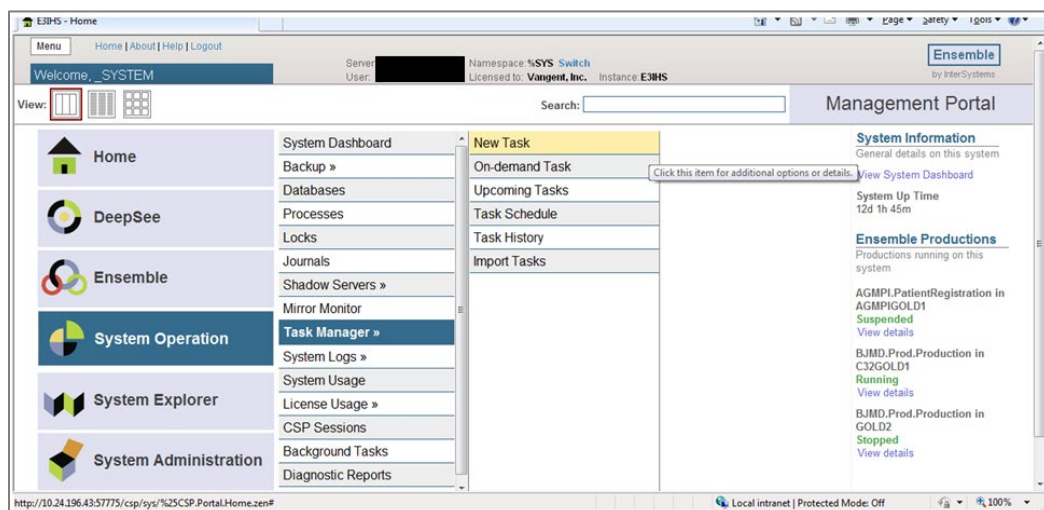


Figure 7-2: Task Manager menu

2. Click the **New Task** option to start the **Task Scheduler Wizard**, as shown in Figure 7-3.

Task Scheduler Wizard

This wizard helps to you schedule a task for execution by the Task Manager or to edit the details of a previously scheduled task. For user-defined tasks you must first create a new subclass of the %SYS.Task.Definition class which will then be selectable as a 'Task type'.

Task name: * AGMPI Message Purge

Description: Purge Old AGMPI Message

Namespace to run task in: AGMPIXXX

Task type: * Ens.Util.Tasks.Purge

BodiesToo

KeepIntegrity

NumberOfDaysToKeep 7

TypesToPurge All Types

Task priority: Priority Normal

Run task as this user: UnknownUser

Open output file when task is running? No

Output file: Browse...

Reschedule task after system restart? Yes

< Back Next > Finish Cancel

Done Local intranet | Protected Mode: Off

Figure 7-3: **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**.

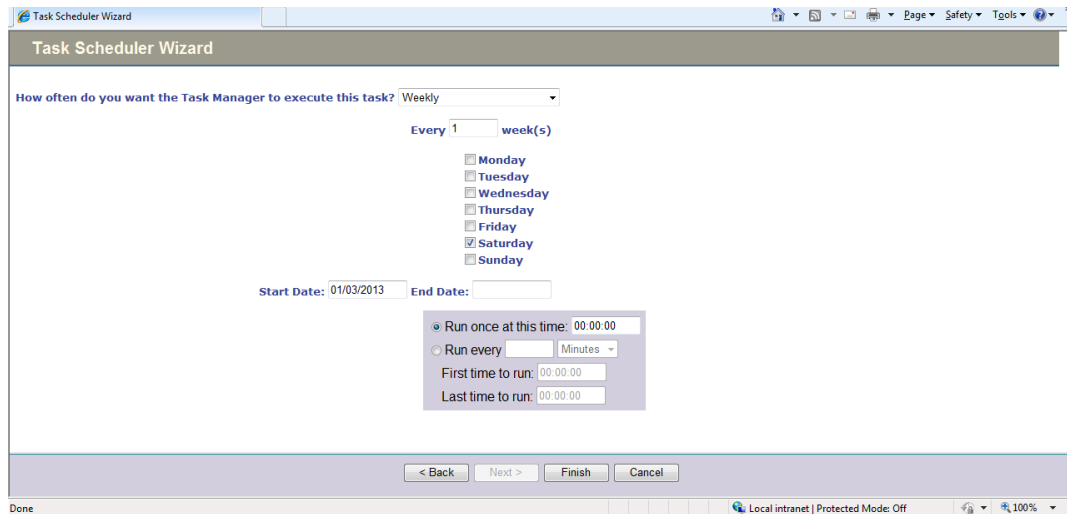


Figure 7-4: Second Task Scheduler Wizard page

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

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

Click **Finish** to display the **View Task Schedule** page with the new task at the bottom of the page, as shown in Figure 7-5.

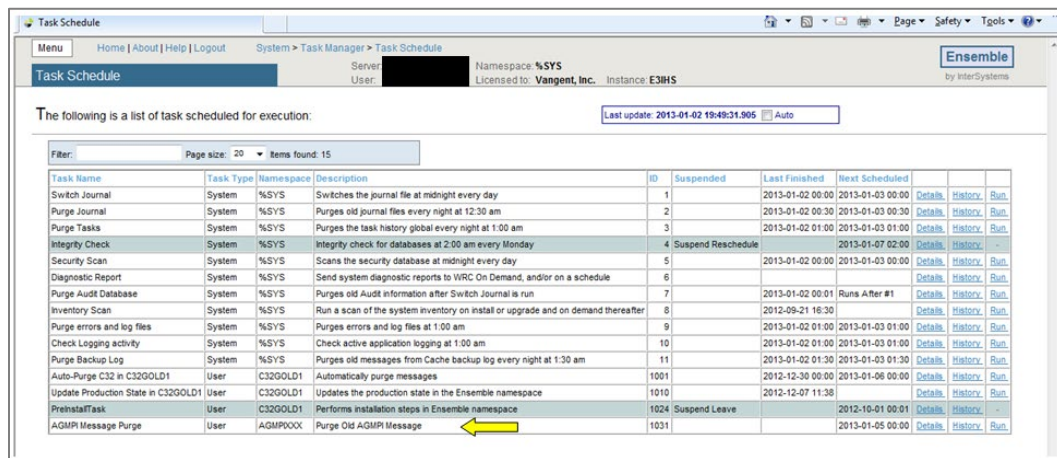


Figure 7-5: View Task Schedule page with AGMPI Message Purge displayed

8.0 Onboarding

The remaining installation instructions describe how to onboard a site to the central MPI server. If the site has already been onboarded or the site will not be uploading to the central MPI at this time, then the installation is complete, and the following instructions should not be followed.

8.1 Contact IT Service Desk

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

Note: Do not proceed without the approval of the IT Service Desk.

Proceeding without IT Service Desk approval may result in your database filling up and RPMS failing.

8.2 Initial Load

Note: Complete all configuration steps before starting the initial load.

Do *not* continue until the IT Service Desk has approved starting the initial MPI load.

8.2.1 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 8-1: AGMP ACK BCKGRND TSK scheduled in TaskMan

8.2.2 Configure the Ensemble Auto-Start Production

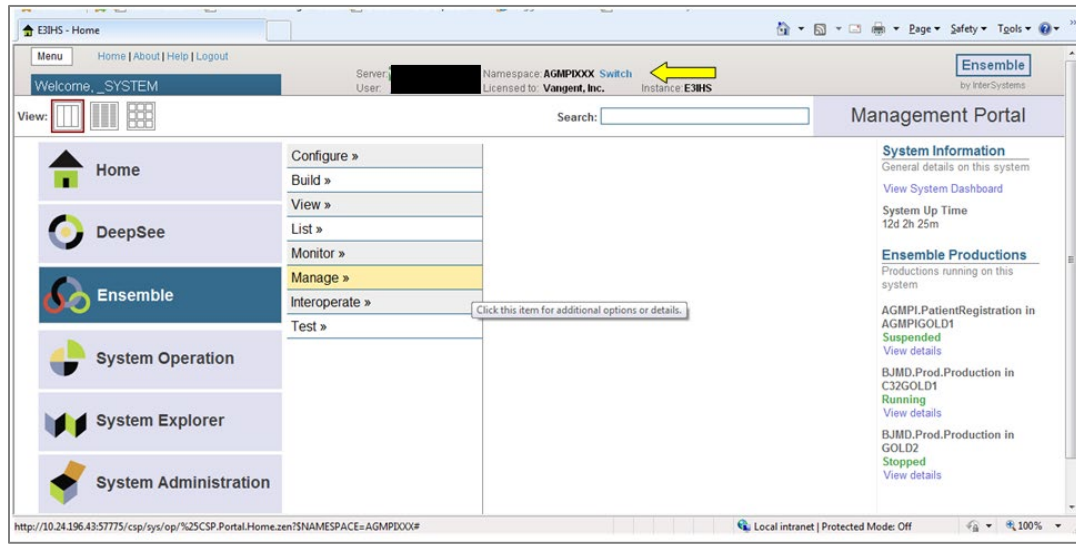


Figure 8-2: Management Portal page

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.

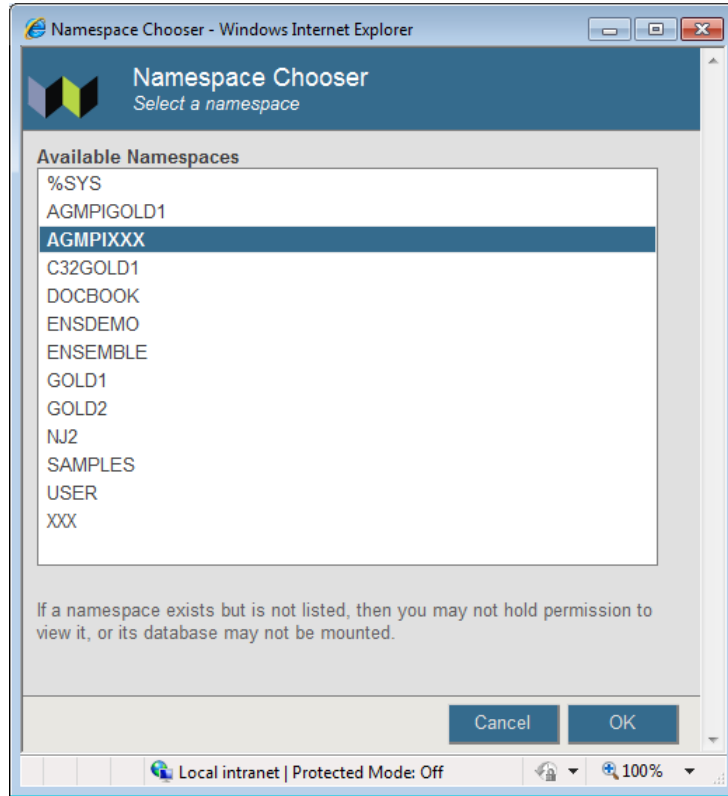


Figure 8-3: Namespace Chooser page

3. Click **Ensemble**, then click **Manage**, then click **Auto-Start Production**, as shown in Figure 8-4.

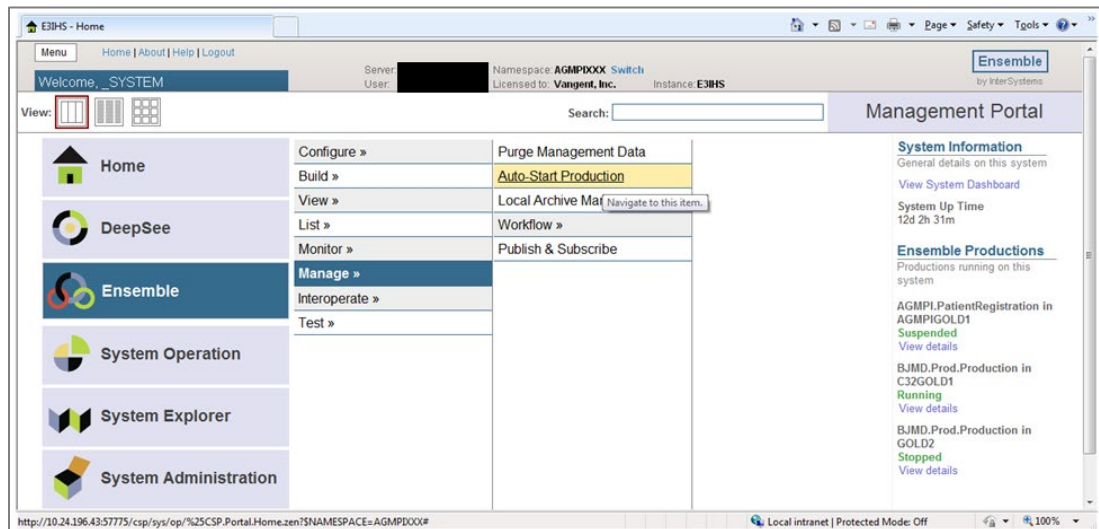


Figure 8-4: Ensemble Manage Auto-Start Production option

- 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 8-5. Click the **Apply** button to save the setting.

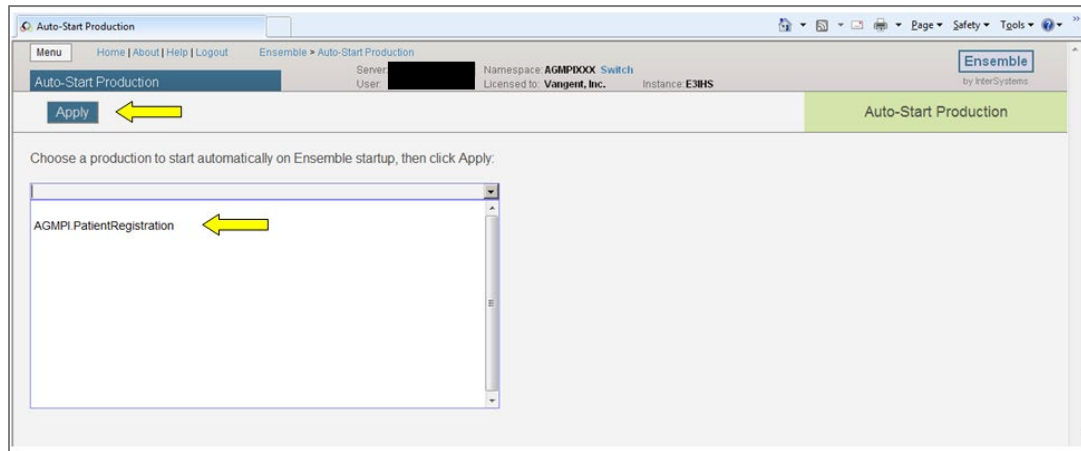


Figure 8-5: Auto-Start Production page

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

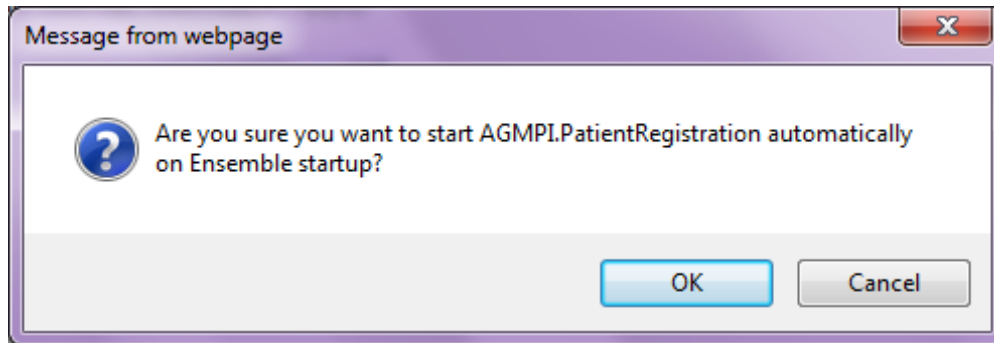


Figure 8-6: Auto-Start Production confirmation page

- Click **Ensemble** on the top of the page, as shown in Figure 8-7, to return to the Management Portal page.

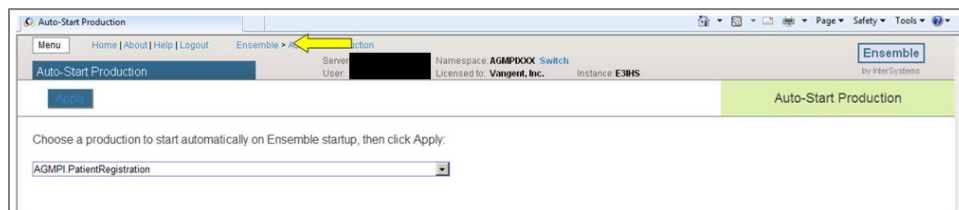


Figure 8-7: Auto-Start Production page after clicking **Apply** button

8.2.3 Start the Ensemble Production

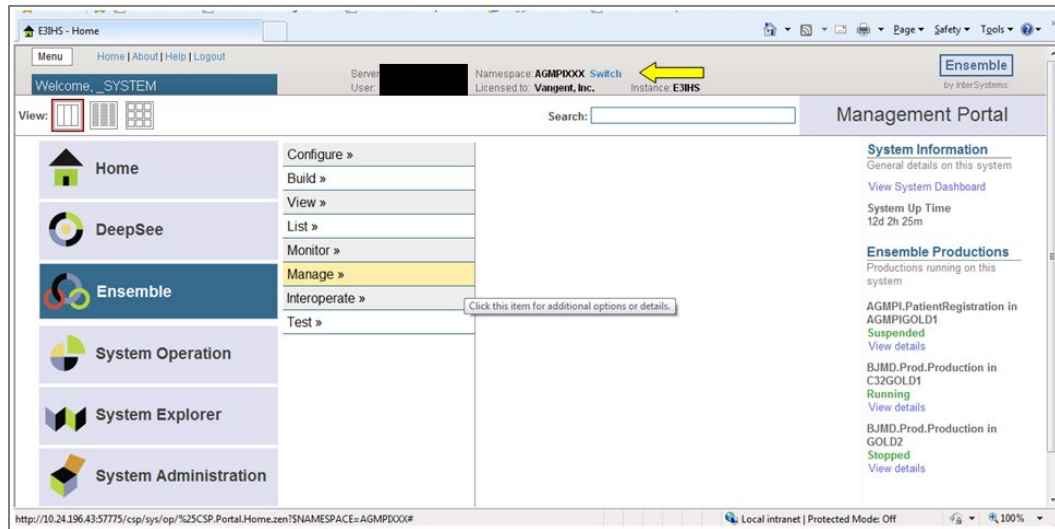


Figure 8-8: Management Portal page

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.

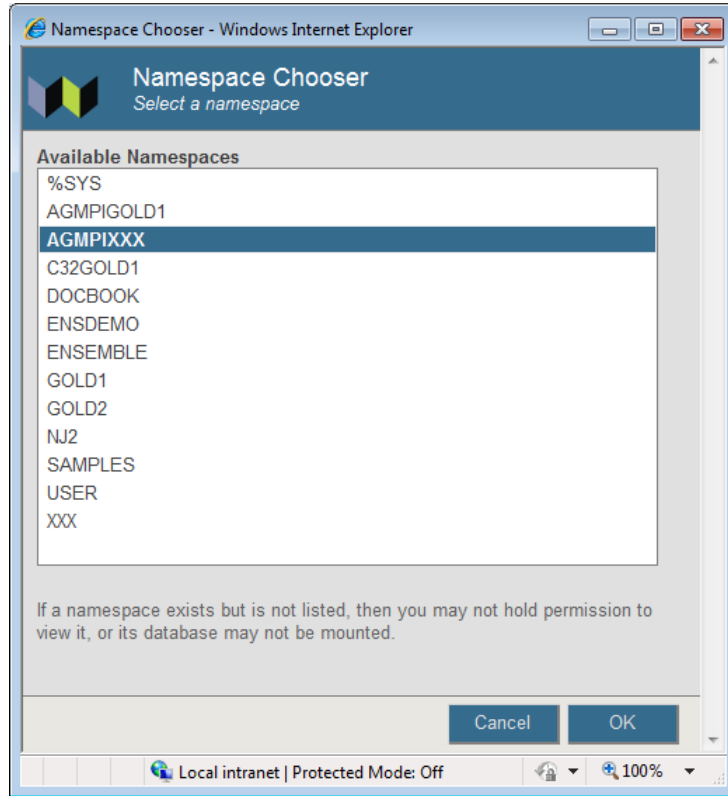


Figure 8-9: Namespace Chooser page

3. Click **Ensemble**, then click **Configure**, then click **Production**, as shown in Figure 8-10.

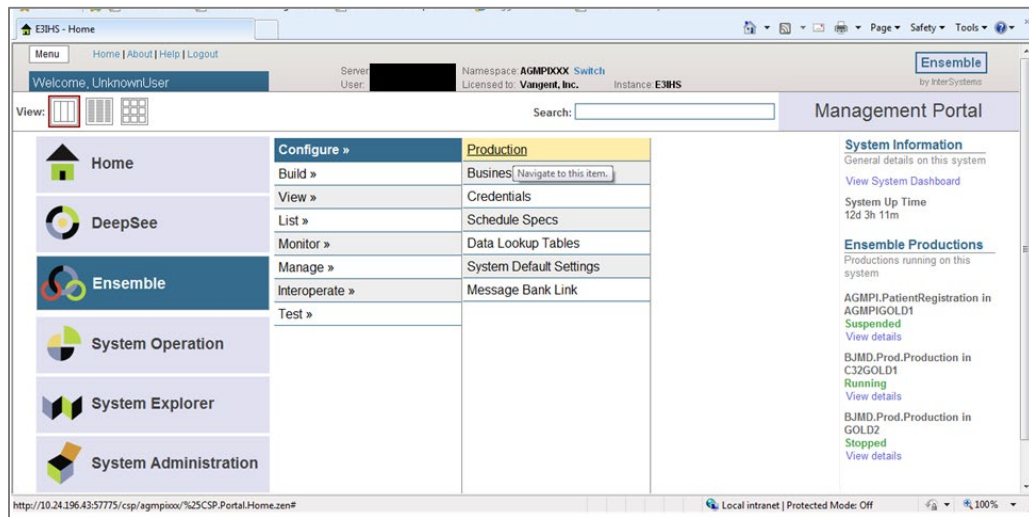


Figure 8-10: Management Portal Configure Production page

4. To start a production, click the **Start** button on the **Production Configuration** page, as shown in Figure 8-11, then click **OK** in the **Start Production** dialog box.

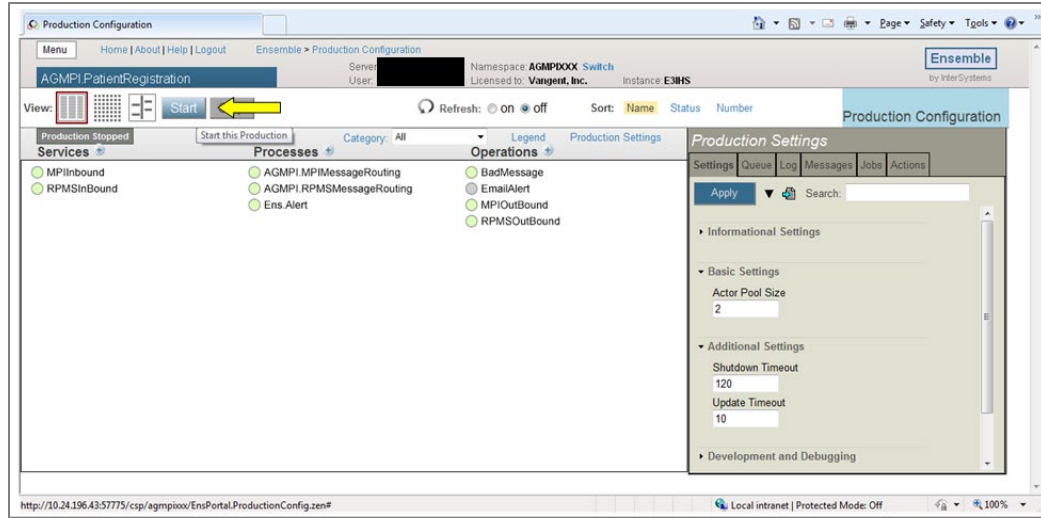


Figure 8-11: Start a production instance by clicking the **Start** button

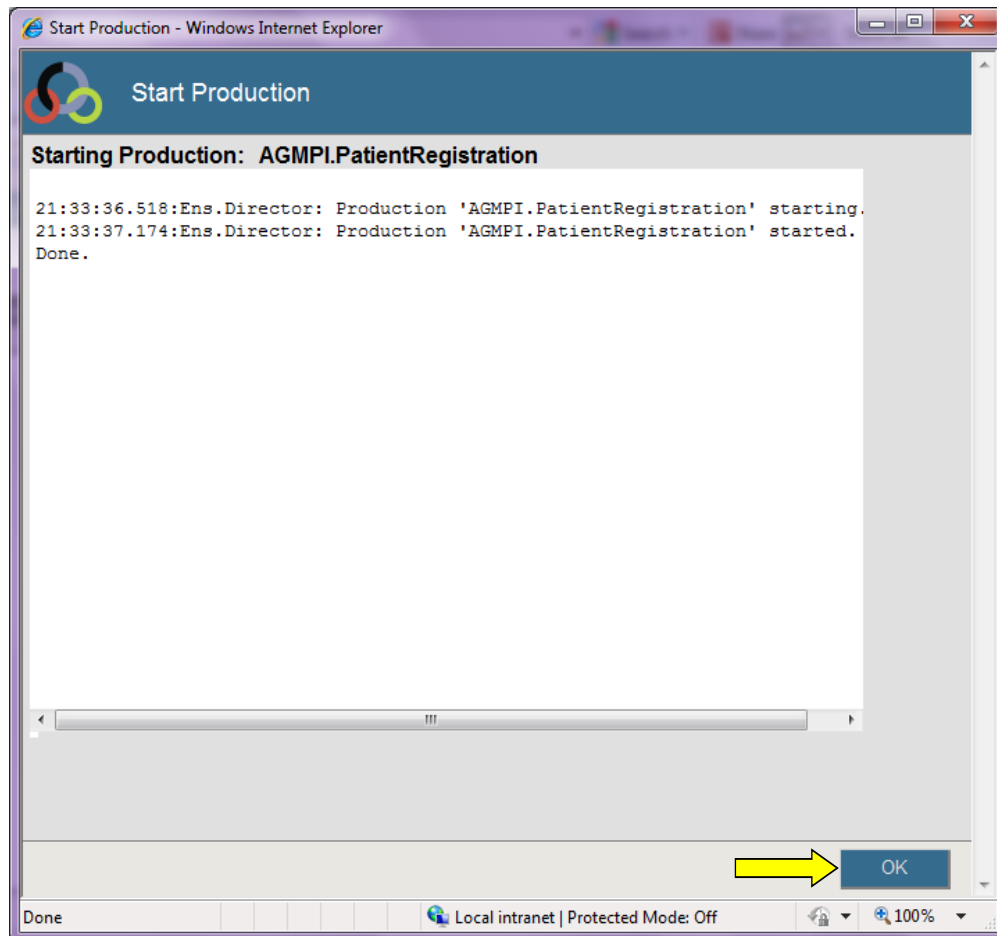


Figure 8-12: Starting the **AGMPI.PatientRegistration** production instance

Figure 8-13 shows the **AGMPI.PatientRegistration** production instance running.

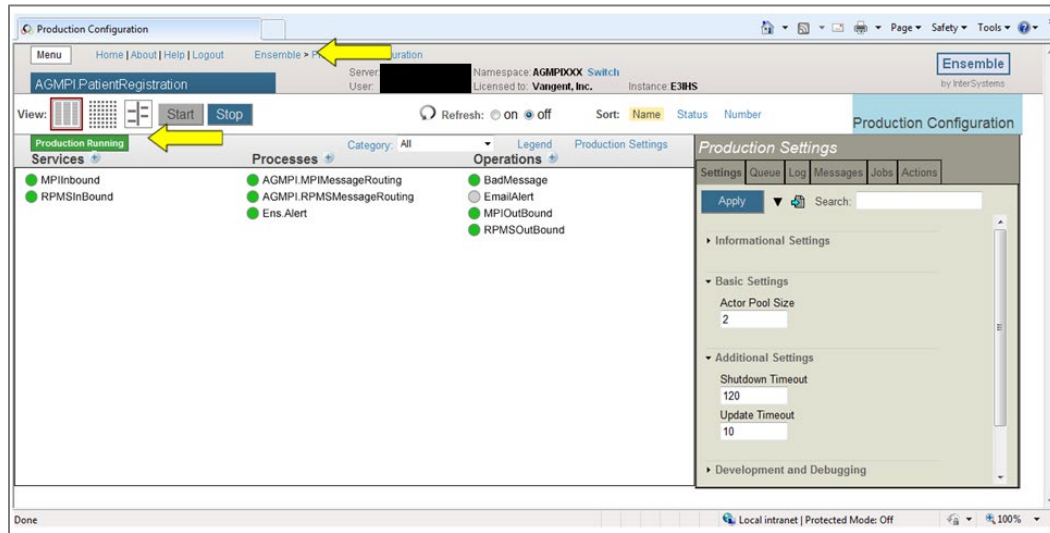


Figure 8-13: Production Configuration – AGMPI.PatientRegistration production instance is running

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.

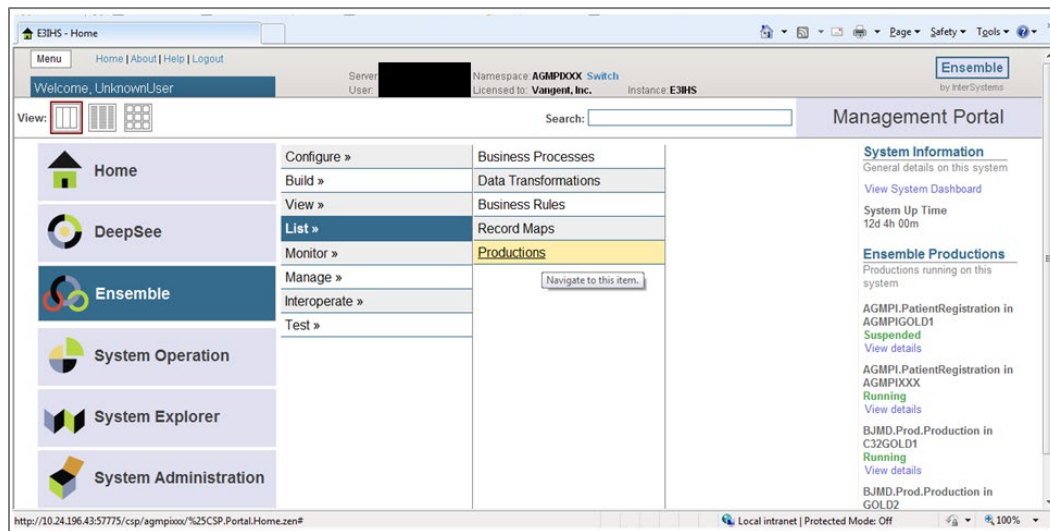


Figure 8-14: Management Portal showing the Ensemble List Productions option

Figure 8-15 shows the **AGMPI.PatientRegistration** production instance running.

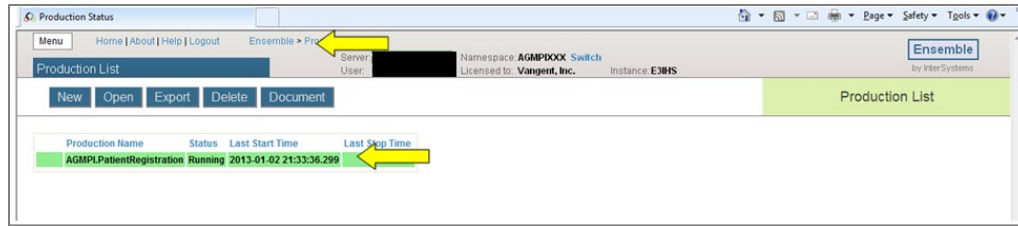


Figure 8-15: **AGMPI.PatientRegistration** production instance with a status of Running

- 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 8-16.

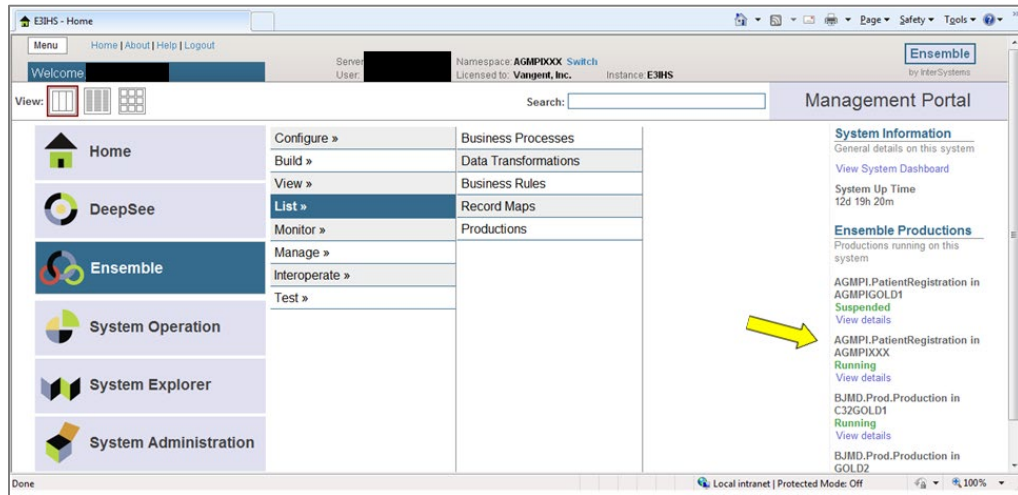


Figure 8-16: **Management Portal** page showing the **AGMPI.PatientRegistration** production instance with a status of Running

8.2.4 Wait for IT Service Desk

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

Warning: Do not proceed without the approval of the IT Service Desk.

8.2.5 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 8-17: AGMP MPI MISSING ICN TSK scheduled in TaskMan

8.3 Wait for the IT Service Desk

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

Warning: Do not proceed without the approval of the IT Service Desk. Proceeding without IT Service Desk approval may result in your database filling up and RPMS failing.

8.4 Verify Successful Initial Load

Once the IT Service 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.

8.4.1 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. At the “RUN IN SUMMARY OR DETAIL MODE” prompt, type **S** to display only the totals.
5. Wait for the report to finish. You may not see any activity while the report is gathering data.

6. 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 IT Service Desk for review before continuing.

```
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
RUN IN SUMMARY OR DETAIL MODE: (S/D): S// SUMMARY

                                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 8-18: MPI Report of ICNs Populated

8.5 Schedule Background Tasks

Note: Do not schedule these options until you are ready to start the MPI. Before you start, coordinate with the IT Service 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 8.2.1. 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 Service Desk *must* confirm that the original upload completed successfully before you schedule these tasks.

8.5.1 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 8-19: AGMP MPI MISSING ICN TSK scheduled in TaskMan

8.5.2 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 8-20: AGMP A08 BCKGRND UPDATE TSK scheduled in TaskMan

8.5.3 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 8-21: AGMP MPI PURGE HLO MSGS scheduled in TaskMan

8.5.4 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 8-22: VAFH PIVOT PURGE scheduled in TaskMan

```

NAME: VAFH PIVOT PURGE          MENU TEXT: Purge PIMS HL7 PIVOT
file
TYPE: run routine              CREATOR: DEMO,ONE

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 8-23: 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.)

Setting	Value	Comments
Log Unassigned Trace Events	Selected	Trace events that do not belong to any configuration item are logged. (This setting should not be changed.)
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 IT Service 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 IT Service 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.)

Setting	Value	Comments
IgnoreInboundAck	False	(This setting should not be changed.)
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 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.)
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.)

Setting	Value	Comments
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 .
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.)
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.)

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.)
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.)
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.)

Setting	Value	Comments
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 <i>negative 1</i> .)
ForceSyncSend	False	Do not make synchronous calls for “send” actions. (This setting should not be changed.)
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.)

Setting	Value	Comments
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.)

Setting	Value	Comments
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	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.)

Setting	Value	Comments
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. 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 <i>negative 1</i> .)
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.)

Setting	Value	Comments
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.)

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	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.)
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.)

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.)
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.)

Setting	Value	Comments
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	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 IT Service 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.)
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.)

Setting	Value	Comments
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.)
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.)

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. Note that the setting is <i>negative 1</i> .)
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.)
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.)

Setting	Value	Comments
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.)
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.)

Setting	Value	Comments
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.)
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.
AutoBatchParents	False	No batch messages. (This setting should not be changed.)

Setting	Value	Comments
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.)
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.)

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	AsciiLF	Frame each HL7 message with ASCII(10) (Linefeed) separating each message from the next. (This setting should not be changed.)
File Path	<Path to server where EIE resides.>	<i>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.</i>
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

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.)
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.)

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	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.)

Setting	Value	Comments
Failure Timeout	25	How long to keep retrying before giving up and returning an error code. (This setting should not be changed.)
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	SMPRE.IHS.GOV	IP address of SMTP server to send mail to. For IHS Direct Sites connected to the IHS.GOV Intranet, the default is SMPRE.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>	<i>ID name of the credential set used to access the SMTP server. The default is blank</i>

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 Required FileMan Files

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

1. ADT/HL7 PIVOT
2. ADT/HL7 EVENT REASON
3. HLO APPLICATION REGISTRY
4. REGISTRATION PARAMETERS
5. TREATING FACILITY LIST

Appendix C Installation Checklist

The following checklists 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.

Use the checklist in section C.1 when installing the MPI application for the first time. Use the checklist in section C.2 when upgrading from a previous version of the MPI application or when reinstalling.

C.1 New Install Checklist

- KIDS installation [4.2] _____
- Post-installation [4.3] _____
 - Assign security key [4.3.1] _____
 - Add demo patients to sort template [4.3.2] _____
- Ensemble configuration [5.0] _____
 - 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 [7.0] _____
- Onboarding [8.0] _____
 - Contact IT Service Desk [8.1] _____
 - Wait for IT Service Desk approval to proceed [8.1] _____
 - Initial load
 - Schedule AGMP ACK BCKGRND TSK [8.2.1] _____
 - Configure Ensemble auto-start production [8.2.2] _____
 - Start Ensemble production [8.2.3] _____

- Wait for IT Service Desk approval to continue [8.2.4]

- Schedule AGMP MISSING ICN TSK (one time) [8.2.5]

- Wait for response from IT Service Desk [8.3] _____
- Verify initial load was successful [8.4] _____
- Schedule background tasks
 - Schedule AGMP MPI MISSING ICN TSK (daily) [8.5.1]

 - Schedule AGMP A08 BCKGRND UPDATE TSK [8.5.2]

 - Schedule AGMP MPI PURGE HLO MSGS [8.5.3]

 - Schedule VAFH PIVOT PURGE [8.5.4] _____

C.2 Upgrade/Reinstall Checklist

- Pre-installation (*upgrade only*) [4.1] _____
 - Map HL* globals [4.1.1] _____
 - Assign resource to AGMPI database [4.1.2] _____
- KIDS installation [4.2] _____
- Post-installation [4.3]
 - Assign security key [4.3.1] _____
 - Add demo patients to sort template [4.3.2] _____
- Ensemble configuration [5.0]
 - 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] _____

- Start Ensemble production [6.1] _____
- Verify background tasks [6.2] _____
 - Verify AGMP MPI MISSING ICN TSK (daily) [6.2.1] _____
 - Verify AGMP A08 BCKGRND UPDATE TSK [6.2.2] _____
 - Verify AGMP ACK BCKGRND TSK [6.2.3] _____
 - Verify AGMP MPI PURGE HLO MSGS [6.2.4] _____
 - Verify VAFH PIVOT PURGE [6.2.5] _____

Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

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