



RESOURCE AND PATIENT MANAGEMENT SYSTEM

RPMS VistA Imaging

(MAG and BMAG)

MAG Patch 376, BMAG Patch 197, and BMAG Patch 198 Installation Guide and Release Notes

Version 3.0
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Preface

This package release updates the Indian Health Service (IHS) Resource and Patient Management System (RPMS) software packages for RPMS MAG, BMAG files and VistA Imaging software executables for document scanning/import, DICOM interfaces.

The 2026 release for the update with the MAG p376 (IHS MAG_3_0_BundleIHS_251_265.KID and MAG3_0P303.KID) includes the IHS approved development for the BMAG p197 EHR All Images Viewer and BMAG p198 for IHS VistA Imaging DICOM Routing Gateway clients. The BMAG p197 addresses a fix based on a DIT finding, eliminating an error for EHR users lacking both MAGDISP CLIN, MAGDISP ADMIN security KEYS. Error: MSC.VC.Common.Service.UnhandledExceptions.UnhandledException when using the All Images plug in component/viewer. BMAG p198 is an IHS Enhancement for the DICOM Gateway 2_8_3 option. This improves the routing review and process for the IHS VI Imaging Manager with an option to delete entries in the Transmission Queue blocking other routing image file transmissions. This option previously only allowed users to select Hold or Release entries in the Transmission Queue.

1.0 Release Notes

The IHS MAG p376 (IHS MAG_3_0_BundleIHS_251_265.KIDand MAG3_0P303) Installation provides an RPMS KIDS Bundle for RPMS MAG installations, software executables for VistA Imaging Clinical Capture and Clinical Display. Release also includes RPMS BMAG 197 KIDS and BMAG 198 KIDS.

Not all I/T/U VistA Imaging sites will need to install all the software listed below. Install VistA Imaging client executables as appropriate for what is currently on each production system and local VistA Imaging use.

The installation instructions focus on the installation of the RPMS MAG KID files. Do reference the provided VistA Imaging (VI) Patch Descriptions for the specific executables listed below for software installation.

Note: RPMS Imaging Support will engage the Area Scanning only teams, VistA Imaging Coordinators, to initiate the RPMS and software installs. This will require one on one installation planning, time and support with the developers to ensure a proper installation and to limit the amount of down time for direct patient care.

Once the RPMS KIDS files are installed, all the executables *should* be updated. As applicable.

DICOM sites:

- VistA Imaging Clinical Capture MAG*3.0*335
- VistA Imaging Clinical Display MAG*3.0*334
- DGW_IHS_Update_SP3.exe

Scanning only sites:

- VistA Imaging Clinical Capture MAG*3.0*335
- VistA Imaging Clinical Display MAG*3.0*334

The following clients can still be used by sites:

- The list of supported versions of VistA Imaging Clinical Display will change. Client Versions Supported: MAG*3.0*351.
- The list of supported versions of VistA Imaging Clinical Capture will change. Client Versions Supported: MAG*3.0*291 and MAG*3.0*321

2.0 Installation Notes

Prefix: MAG

Current Version: 3.0

2.1 Contents of Distribution

Table 2-1: List of distributed files with descriptions

File	Description
mag_0300_0376i.pdf	Installation Guide and Release Notes
mag_0300_0376o.zip	VA Individual Patch Description manuals
1-MAG3_0P303.KID	MAG_3.0_p303
2-MAG_3_0_BundleIHS_251_265.KID	MAG_3.0_p376
bmag0300.197k	KIDS file
bmag0300.197n	BMAG0300.197 Installation Notes
bmag0300.197.exe	Executable File
bmag0300.197u.pdf	User Manual
bmag0300.198k	KIDS file
bmag0300.198n	BMAG0300.198 Installation Notes

Table 2-2: List of distributed files with descriptions

File	Description
MAG3_0P335_CLINICAL_CAPTURE_SETUP.EXE	Capture executable—all sites
MAG3_0P335_CLINICAL_CAPTURE_INSTALL.MSI	Capture Installer file all sites
MAG3_0P334_CLINICAL_DISPLAY_SETUP.EXE	Display executable—all sites
MAG3_0P334_CLINICAL_DISPLAY_INSTALL.MSI	Display Installer file-all sites
MAG3_0P347_Background_Processor_Setup.exe	BGP executable-all sites

Table 2-3: Additional IHS specific installers for DICOM gateways

File	Description
DGW_IHS_Update_SP3.exe	DICOM for IHS update

2.2 Required Resources

A signed VistA Imaging Site Agreement.

2.3 Before You Begin: Installation Issues or Considerations

2.3.1 Preplanning for all VistA Imaging—RPMS Sites

Note: For VistA Imaging DICOM sites that have not installed prior Mega, Mini MAG bundles: Virtual Machines (VM) for Microsoft OS 2019 server required.

In preparation to upgrade to the new patches, sites will need to be utilizing Microsoft OS 2019 servers. If the site is still on Microsoft OS 2003 servers, contact Peraton to set up new VM's for 2019. Imaging sites will need a *NEW* 2019 OS VM for each gateway currently in place and running. This must be done in well in advance of placing an RPMS IMAGING Support ticket to itsupport@ihs.gov for software loading and support.

- Peraton contact information:
 - Peraton/HP Expertise Center provides dedicated VistA Imaging infrastructure support. The center will provide assistance to triage, troubleshoot, resolve & provide guidance related to the hardware, specifically the VI hardware, Archive Appliance & HP workstations.
 - 1-877-896-2158
 - M-F 9:00am-6:00pm EST
- Must have loaded the IHS RPMS Imaging Mega-bundle released September 2021
- Must have loaded IHS RPMS Imaging Mini-bundle released March 2023
- Must have loaded IHS RPMS Imaging p345 released December 2024
- Have a contingency plan and communication in place before scheduling any installations. All current client applications will cease to work with the new RPMS KIDS Bundle installations for both Scanning and Scanning + DICOM. Plan and communicate.

2.3.2 Preplanning for Clinical Capture and Display for All VistA Imaging—RPMS Sites

Preplanning the rollout and installation of new Capture and Display clients to local workstations is necessary as the old software will cease to work. The Capture and Display executables can be pushed out over the network, or the workstations may need to be individually updated.

Review the number of Clinical Capture and Clinical Display workstations requiring updates.

RPMS | Imaging System Manager Menu | Imaging Site Reports...
Imaging Clients Version Reports

Enter a specific date range (how far back) for the report and report preference for Version or Workstation. This report will provide a count for the number of workstations that have the Capture and Display clients installed.

workstation Name	Client	Client version	Client Date	Last Logon	Type
HQABQDITHST3	CAPTURE	*3.0.189.2	09/07/17	07/06/21	
	DISPLAY	*3.0.149.4	09/03/14	07/06/21	

Figure 2-1: List of all Workstations and Clients

2.3.3 Preplanning for the VistA Imaging DICOM Gateway Virtual Machines for Microsoft Operating System (OS) 2019

- This information will be covered during the Installation call and during scheduled Implementation and Planning calls with each IHS VistA Imaging DICOM site.

Note: For VistA Imaging DICOM sites that have not installed prior Mega, Mini MAG bundles: Virtual Machines (VM) for Microsoft OS 2019 server required.

- MS OS 2019 for new Virtual Machines (VM) preparation:
 - New VMs for the Gateways must be stood up prior to cutover to the Windows Server 2019(s).
 - At go live, the IP addresses will be flipped taking the 2012 IP address and applying to the *new* 2019 GW VMs.
 - Sites are encouraged to submit a ticket to the Vista Imaging Hardware Service Support–Expertise Center, Peraton, for joint support.
 - A Hyper-V server or cluster is a must on either the 3PAR or MSA HP servers. Capacity and storage issues should not be a problem but a ticket to Peraton is recommended.
 - Ensure that your site has enough free space on the CSV1 and CSV2 volumes to accommodate the new VM’s that you will be deploying.
 - Default baseline of 6 GB–8 GB of RAM. 2-4 CPUs for each GW machine.

- If sites plan on adding HDIG (Hybrid DICOM Imaging Gateway) which is in MAG p345 for Query & Retrieve, 16 GB of RAM will be needed.

3.0 Loading MAG p376, BMAG p197, and BMAG p198

Install the KIDS packages, performing updates, installs in this order:

1. Changes to XPDIA1—Temporary Edit
2. Installation of BMAG0300.197.KID
3. Installation of BMAG0300.198.KID
4. Installation of 1-MAG3_0P303.KID
5. Installation of 2-MAG_3_0_BundleIHS_251_265.KID
6. Changes for XPDIA1—Restore

Note: For the Scanning + DICOM Modality Worklist and DICOM storage sites, an individual site Implementation/Planning, Pre-installation and Go Live virtual meetings must be setup.

3.1 Changes to XPDIA1—Temporary Edit

Prior to installing the 1-MAG3_0P303.KID and 2-MAG_3_0_BundleIHS_251_265, a temporary edit of the XPDIA1 routine needs to be made. After installing 2-MAG_3_0_BundleIHS_251_265.KID the change will be backed out. The individual(s) installing these patches will need access to the programmer prompt.

1. Go to the programmer prompt.

Note: User input is **bolded** in the following roll and scroll examples.

2. Once at the programmer prompt, back up the existing XPDIA1 routine to a file on your local file system.

We will need this file to restore the original XPDIA1 routine after we install the MAG_3_0_BundleIHS_251_265. An example is shown in Figure 3-1.

```

1 IHS Core ...
2 Device Management ...
3 VA FileMan ...
4 Manage Mailman ...
5 Menu Management ...
6 Programmer Options ...
7 Operations Management ...
8 Spool Management ...
9 Information Security Officer Menu ...
10 Taskman Management ...

```

```

11 User Management ...
12 Admin Tools ...
13 EHR Main Menu ... MPG Manage PCC+ GUI ...
You have PENDING ALERTS

Select IHS Kernel <TEST ACCOUNT> Option: ^PG

1 Programmer mode [XUPROGMODE] (PG)
2 Print CHR Programs Table [BCH P TABLES PROGRAMS] (PG)

Type '^' to stop, or choose a number from 1 to 2 :1 PG
Programmer mode
PC>

PC>D ^%RO
Routine output (please use %ROMF for object code output)
Routine(s): XPDIA1
Routine(s):
Description: BACKUP XPDIA1 ROUTINE
Output routines to

        Device: D:\Z\BACKUP_XPDIA1.RSA
        Parameters? "WNS" =>
        Printer Format? No => No
XPDIA1.INT
PC>

```

Figure 3-1: Backing up to the existing XPDIA1 routine to a file on your local system file

Note: Please make sure that the drive and directory that you specify exists and is writable by the HealthShare instance.

- Once the routine is backed up, make the required modifications to the XPDIA1 routine. The easiest way to do this is to copy the code below and paste it into notepad and then copy it from notepad to the programmer prompt. It will verify that the XPDIA1 routine has not already been modified and if it is good, makes and saves all the modifications.

```

K X,Y,CRC S CRC=0,X="XPDIA1" X ^%ZOSF("RSUM") W:Y'=13454591 "CHECKSUM DOESN'T MATCH.
NO CHANGES!",! S:Y=13454591 CRC=1
ZLOAD:CRC XPDIA1
ZINSERT:CRC " ; /IHS/OIT/RAM ; Temporary Added Routine for the installation of MAG
patches":XPDIA1+256
ZINSERT:CRC "RPCE1 ;RPC pre entry, file 8994 -- sf, jl temp for mag patches;kill
Input param multiple, field #2":XPDIA1+257
ZINSERT:CRC " K ^XWB(8994,DA,2)":XPDIA1+258
ZINSERT:CRC " Q":XPDIA1+259
ZINSERT:CRC " ; /IHS/OIT/RAM ; END OF ADDED ROUTINE FOR MAG patches":XPDIA1+260
ZSAVE:CRC

```

Figure 3-2: Code for copy and paste purposes into the programmer prompt to modify XPDIA1

Important: If the message **CHECKSUM DOESN'T MATCH. NO CHANGES!** is displayed, please contact your Area Office or Tier 3 for further assistance. Also, if you receive any <SYNTAX> errors, there may be some spurious characters in the copy/paste – try pasting this into Notepad, highlighting it there, and then repasting in the programmer prompt. Otherwise, contact your Area Office and/or Tier 3 for support.

4. Proceed to Section 3.2 for the Installation of BMAG v3.0 p197. Before installing the KIDS packages, load the XPDIA1 routine and save it as xpdia1 for backup purposes.

3.2 Installation of BMAG v3.0 p197

Note: Use vcManager to disable logins and shut down active RPMS EHR sessions prior to the performing items a and b below.

a) Self-Extracting Archive

1. Execute the self-extracting archive (bmag0300.197.exe) on the server where the RPMS-EHR shared folder resides.
2. When prompted for the installation folder, enter the full path to the shared folder where your bin and lib folders reside for the installation being updated.
3. Click the Unzip button to proceed with the extraction of compressed files.
4. When prompted, update any ini file settings if necessary and click OK. The VueCentric ini file will be updated with the new settings.

b) KIDS Distribution

Perform the following steps for the bmag0300.197k build files:

1. Load and install the distribution into KIDS using option **1** on the KIDS Installation menu.
2. Verify the load using option **2** on the KIDS Installation Menu.
3. Consider using options **3** and **4** on the **KIDS Installation Menu** to print and compare the transport.
4. Install the distribution using option **6** on the KIDS Installation Menu.

3.3 Installation of BMAG v3.0 p198

KIDS Distribution

Perform the following steps for the bmag0300.198kbuild files:

1. Load and install the distribution into KIDS using option **1** on the **KIDS Installation Menu**.
2. Verify the load using option **2** on the **KIDS Installation Menu**.
3. Consider using options **3** and **4** on the **KIDS installation Menu** to print and compare the transport.
4. Install the distribution using option **6** on the **KIDS Installation Menu**.

DICOM Gateway Distribution

1. Copy the DGW_IHS_Update_SP3.exe file to a temporary folder on the DICOM Gateway
2. Double click on the file to run the installation.
3. Click the **Install** button in the lower right corner of the installation dialog
4. Click the **Close** button when the installation completes.

3.4 Installation of 1-MAG3_0P303.KID

1. Use the Load Distribution option contained on the **Kernel Installation and Distribution System Menu** to load the Host file.

When prompted to “Enter a Host File:” enter:

<local file location> **1-MAG3_0P303.KID**

2. From the **Kernel Installation and Distribution System Menu**, select the **Installation Menu**.

From this menu:

- a. Select the **Verify Checksums in the Transport Global** option to confirm the integrity of the routine that are in the Transport Global.

When prompted for the INSTALL NAME, enter the patch or build name (i.e., **MAG*3.0*303**).

- b. Select the **Backup a Transport Global** option to create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
- c. You may also elect to install the following options:

- **Print Transport Global**—This option will allow you to view the components of the KIDS build.
 - **Compare Transport Global to Current System**—This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch, such as routines, DDs, templates, etc.
- d. Select the **Install Package(s)** option and choose the patch to install.
- If prompted “Want KIDS to Rebuild Menu Trees Upon completion of Install?” answer **NO**.
 - When prompted “Want KIDS to INHIBIT LOGONs during the install?” answer **NO**.

3.5 Installation of 2-MAG_3_0_BundleIHS_251_265.KID

1. Use the Load Distribution option contained on the **Kernel Installation and Distribution System Menu** to load the Host file.

When prompted to “Enter a Host File:” enter:

<local file location> **2-MAG_3_0_BundleIHS_251_265.KID**

2. From the **Kernel Installation and Distribution System Menu**, select the **Installation Menu**.

From this menu:

- a. Select the **Verify Checksums in the Transport Global** option to confirm the integrity of the routine that are in the Transport Global.

When prompted for the INSTALL NAME, enter the patch or build name (i.e., **MAG*3.0*353**).

- b. Select the **Backup a Transport Global** option to create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
- c. You may also elect to install the following options:
 - **Print Transport Global**—This option will allow you to view the components of the KIDS build.
 - **Compare Transport Global to Current System**—This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch, such as routines, DDs, templates, etc.
- d. Select the **Install Package(s)** option and choose the patch to install.
 - If prompted “Want KIDS to Rebuild Menu Trees Upon completion of Install?” answer **NO**.

- When prompted “Want KIDS to INHIBIT LOGONs during the install?” answer **NO**.

3.6 Changes for XPDIA1—Restore

Once the bundles have been installed successfully, reload the original XPDIA1 routine from the file that you saved it to in Section 3.1.

Note: User input is **bolded** in the following roll and scroll examples.

1. Go to the programmer prompt. An example is shown in Figure 3-4.

```

1 IHS Core ...
2 Device Management ...
3 VA FileMan ...
4 Manage Mailman ...
5 Menu Management ...
6 Programmer Options ...
7 Operations Management ...
8 Spool Management ...
9 Information Security Officer Menu ...
10 Taskman Management ...
11 User Management ...
12 Admin Tools ...
13 EHR Main Menu ...
MPG Manage PCC+ GUI ...
You have PENDING ALERTS

Select IHS Kernel <TEST ACCOUNT> Option: ^PG

1 Programmer mode [XUPROGMODE] (PG)
2 Print CHR Programs Table [BCH P TABLES PROGRAMS] (PG)
Type '^' to stop, or choose a number from 1 to 2 :1 PG Programmer mode
PC>

PC>D ^%RI
Input routines from Sequential
Device: D:\Z\BACKUP_XPDIA1.RSA
Parameters? "RS" =>
File written by Cache for Windows using %RO on 19 Jul 2021 2:54 PM
with extension INT and with description:
BACKUP XPDIA1 ROUTINE FOR MAG*3.0*231 INSTALL
( All Select Enter List Quit )
Routine Input Option: All Routines
If a selected routine has the same name as one already on file,
shall it replace the one on file? No => Yes
Recompile? Yes => Yes
Display Syntax Errors? Yes => Yes
^ indicates routines which will replace those now on file.
@ indicates routines which have been [re]compiled.
- indicates routines which have not been filed.
XPDIA1.INT^@
1 routine processed.
```



Figure 3-3: XPDIA1 Programmer Prompt example post bundle install

Note: Verify that one (1) routine was processed. If it states zero (or if the **bold** characters after XPDIA1.INT do not exist), then the routine was not restored.

3.7 Update MAG Executables for Scanning or Scanning + DICOM

Note: RPMS Imaging Support will engage the Area Scanning only teams, VistA Imaging Coordinators, to initiate the RPMS and software installations.

This will require one on one installation planning, time and support with the developers to ensure proper installation and to limit the amount of down time for direct patient care. A support ticket for each DICOM site is to be submitted versus by each area.

3.7.1 Scanning Only Applications

- MAG*3.0*335 Capture
- MAG*3.0*334 Display

3.7.2 Scanning + DICOM Applications

- MAG*3.0*335 Capture
- MAG*3.0*334 Display
- DGW_IHS_Update_SP3.exe

3.7.3 Install the Imaging Display and Capture clients

- Open the MAG_MU2>Installation files>Clinical and VistA Rad Clients.
- Use the MAG3_0P334_CLINICAL_DISPLAY_SETUP.EXE file to install the Display client on individual workstations.
- Use the MAG3_0P334_CLINICAL_DISPLAY_INSTALL.MSI to push Display client out over the network.
- Use the MAG3_0P335_CLINICAL_CAPTURE_SETUP.EXE file to install the Capture client on individual scanning workstations.

- Use the MAG3_0P335_CLINICAL_CAPTURE_INSTALL.MSI to push Display client out over the network.

4.0 Sample Installation

Note: Please reference Section 3.0 for the specific installation instructions for BMAG KID Bundles, RPMS MAG KID Bundles + single KID file, and the XPDIA1 routine updates.

4.1 Installation of bmag0300.197k

Example of RPMS KIDS Load and install of the bmag0300.197k:

```
Select Installation <TEST ACCOUNT> Option: LOAD a Distribution
Enter a Host File: C:\temp\bmag0300.197k

KIDS Distribution saved on Nov 17, 2025@13:25:34
Comment: BMAG v3 Patch 197

This Distribution contains Transport Globals for the following Package(s):
  BMAG*3.0*197
  BEHO*1.1*074006
Distribution OK!

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

  BMAG*3.0*197
Build BEHO*1.1*074006 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  BEHO*1.1*074006
Will first run the Environment Check Routine, CIAOINIT

Use INSTALL NAME: BMAG*3.0*197 to install this Distribution.

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

Select Installation <TEST ACCOUNT> Option: INstall Package(s)
Select INSTALL NAME: BMAG*3.0*197      Loaded from Distribution      1/13/26@09:4
5:56
=> BMAG v3 Patch 197 ;Created on Nov 17, 2025@13:25:34

This Distribution was loaded on Jan 13, 2026@09:45:56 with header of
  BMAG v3 Patch 197 ;Created on Nov 17, 2025@13:25:34
It consisted of the following Install(s):
  BMAG*3.0*197BEHO*1.1*074006
Checking Install for Package BMAG*3.0*197

Install Questions for BMAG*3.0*197
```

```
Checking Install for Package BEHO*1.1*074006
Will first run the Environment Check Routine, CIAOINIT

Install Questions for BEHO*1.1*074006

Incoming Files:

    8989.51  PARAMETER DEFINITION (including data)
Note:  You already have the 'PARAMETER DEFINITION' File.
I will REPLACE your data with mine.

    8989.52  PARAMETER TEMPLATE (including data)
Note:  You already have the 'PARAMETER TEMPLATE' File.
I will REPLACE your data with mine.

    19930.2  VUECENTRIC OBJECT REGISTRY (including data)
Note:  You already have the 'VUECENTRIC OBJECT REGISTRY' File.
I will OVERWRITE your data with mine.

    19930.21 VUECENTRIC OBJECT CATEGORY (including data)
Note:  You already have the 'VUECENTRIC OBJECT CATEGORY' File.
I will OVERWRITE your data with mine.

    19930.3  VUECENTRIC TEMPLATE REGISTRY (including data)
Note:  You already have the 'VUECENTRIC TEMPLATE REGISTRY' File.
I will OVERWRITE your data with mine.

    19941.21 CIA EVENT TYPE (including data)
Note:  You already have the 'CIA EVENT TYPE' File.
I will OVERWRITE your data with mine.

Enter the Device you want to print the Install messages.
Enter a '^' to abort the install.

DEVICE: HOME// ;P-OTHER;9999  CONSOLE

Install Started for BMAG*3.0*197 :
      Jan 13, 2026@09:48:49
Build Distribution Date: Nov 17, 2025

Installing Routines:.
      Jan 13, 2026@09:48:49

Install Started for BEHO*1.1*074006 :
      Jan 13, 2026@09:48:49
Build Distribution Date: Nov 17, 2025

Installing Routines:.
      Jan 13, 2026@09:48:49
```

```

Running Pre-Install Routine: PRE^CIAOINIT.

Saving local object registry settings...

Creating new object categories...

Installing Data Dictionaries: .....
    Jan 13, 2026@09:48:49

Installing Data:
    Jan 13, 2026@09:48:49

Running Post-Install Routine: POST^CIAOINIT.

Restoring local object registry settings...

Setting up default site parameters...

Updating Routine file.....

Updating KIDS files.....

BEHO*1.1*074006 Installed.
    Jan 13, 2026@09:48:49

NO Install Message sent

Updating Routine file.....

Updating KIDS files.....

BMAG*3.0*197 Installed.
    Jan 13, 2026@09:48:49

Install Completed

```

Figure 4-1: Example of RPMS KIDS Load and install of the BMAG0300.197.KID

4.2 Installation of bmag0300.198k

Example of RPMS KIDS Load and install of the bmag0300.198k:

```

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution
Enter a Host File: C:\temp - MAG 376\bmag0300.198k

KIDS Distribution saved on Feb 09, 2026@13:40:46
Comment: Delete entries in the DICOM OBJECT EXPORT file (#2006.574) - 02/09/2026
01:40PM

This Distribution contains Transport Globals for the following Package(s):
    BMAG*3.0*198
Distribution OK!

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

    BMAG*3.0*198
This Patch is for Version 3, you are running Version 1

```



```

Running Post-Install Routine: POS^MAGIB198
Post Install Mail Message: Feb 24, 2026@09:19:15

Updating Routine file...
Updating KIDS files...

BMAG*3.0*198 Installed.
      Feb 24, 2026@09:19:15

Not a VA primary domain

Install Completed

```

Figure 4-2: Example of RPMS KIDS Load and install of the BMAG0300.198.KID

4.3 Example of RPMS KIDS Load and install of the 1-MAG3_0P303.KID

Example of RPMS KIDS Load and install of the 1-MAG3_0P303.KID:

```

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution
Enter a Host File: C:\temp - MAG 376\1-MAG3_0P303.KID

KIDS Distribution saved on Nov 16, 2022@16:23:49
Comment: MAG*3.0*303

This Distribution contains Transport Globals for the following Package(s):
  MAG*3.0*303
Distribution OK!

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

  MAG*3.0*303
Use INSTALL NAME: MAG*3.0*303 to install this Distribution.

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

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

You've got PRIORITY mail!

```



```
Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution
Enter a Host File: C:\temp - MAG 376\2-MAG_3_0_BundleIHS_251_265.KID

KIDS Distribution saved on Jul 11, 2025@10:02:58
Comment: This is a bundle MAG bundle for IHS - 07/11/2025 10:02AM

This Distribution contains Transport Globals for the following Package(s):
MAG*3.0*353
MAG*3.0*348
MAG*3.0*334
MAG*3.0*350
MAG*3.0*357
MAG*3.0*335
MAG*3.0*376
MAG*3.0*354
MAG*3.0*370
Distribution OK!

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

MAG*3.0*353
MAG*3.0*348
MAG*3.0*334
MAG*3.0*350
MAG*3.0*357
MAG*3.0*335
MAG*3.0*376
MAG*3.0*354
MAG*3.0*370
Use INSTALL NAME: MAG*3.0*353 to install this Distribution.

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

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

You've got PRIORITY mail!

Select Installation <TEST ACCOUNT> Option: 6 Install Package(s)
Select INSTALL NAME: MAG*3.0*353 Loaded from Distribution 2/24/26@09:21:59
=> This is a bundle MAG bundle for IHS - 07/11/2025 10:02AM ;Created on

This Distribution was loaded on Feb 24, 2026@09:21:59 with header of
This is a bundle MAG bundle for IHS - 07/11/2025 10:02AM ;Created on Jul 11,
2025@10:02:58
It consisted of the following Install(s):
MAG*3.0*353 MAG*3.0*348 MAG*3.0*334 MAG*3.0*350 MAG*3.0*357
MAG*3.0*335 MAG*3.0*376 MAG*3.0*354 MAG*3.0*370
```

```
Checking Install for Package MAG*3.0*353
Install Questions for MAG*3.0*353

Checking Install for Package MAG*3.0*348
Install Questions for MAG*3.0*348

Checking Install for Package MAG*3.0*334
Install Questions for MAG*3.0*334

Checking Install for Package MAG*3.0*350
Install Questions for MAG*3.0*350
Incoming Files:

    2006.59935CLEANUP OF JPEG IMAGES STORED AS DICOM IMAGES

Checking Install for Package MAG*3.0*357
Install Questions for MAG*3.0*357
Incoming Files:

    2006.941  MAG WORK ITEM
Note:  You already have the 'MAG WORK ITEM' File.

    2006.9414 MAG WORK ITEM SUBTYPE (including data)
Note:  You already have the 'MAG WORK ITEM SUBTYPE' File.
I will OVERWRITE your data with mine.

    2006.9423 MAGV IMPORT SERVICE

Checking Install for Package MAG*3.0*335
Install Questions for MAG*3.0*335

Checking Install for Package MAG*3.0*376
Install Questions for MAG*3.0*376

Checking Install for Package MAG*3.0*354
Install Questions for MAG*3.0*354

Checking Install for Package MAG*3.0*370
Install Questions for MAG*3.0*370
Incoming Files:
```

```
2006.1      IMAGING SITE PARAMETERS  (Partial Definition)
Note:  You already have the 'IMAGING SITE PARAMETERS' File.
```

```
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 MAG*3.0*353 :
      Feb 24, 2026@09:23:53
```

```
Build Distribution Date: Apr 14, 2023
```

```
Installing Routines:
      Feb 24, 2026@09:23:53
```

```
Running Post-Install Routine: POS^MAGIP353
```

```
Post Install Mail Message: Feb 24, 2026@09:23:53
```

```
Updating Routine file...
```

```
Updating KIDS files...
```

```
MAG*3.0*353 Installed.
      Feb 24, 2026@09:23:53
```

```
Not a VA primary domain
```

```
NO Install Message sent
```

```
Install Started for MAG*3.0*348 :
      Feb 24, 2026@09:23:53
```

```
Build Distribution Date: Dec 07, 2023
```

```
Installing Routines:
      Feb 24, 2026@09:23:53
```

```
Installing PACKAGE COMPONENTS:
```

```
Installing REMOTE PROCEDURE
```

```
Installing PARAMETER DEFINITION
      Feb 24, 2026@09:23:53
```

```
Updating Routine file...
```

```
Updating KIDS files...
```

```
MAG*3.0*348 Installed.
      Feb 24, 2026@09:23:53
```

```
Not a VA primary domain
```

```
NO Install Message sent

Install Started for MAG*3.0*334 :
    Feb 24, 2026@09:23:53

Build Distribution Date: Aug 08, 2024

Installing Routines:
    Feb 24, 2026@09:23:53

Running Post-Install Routine: POS^MAGIP334

Post Install Mail Message: Feb 24, 2026@09:23:53

Updating Routine file...

Updating KIDS files...

MAG*3.0*334 Installed.
    Feb 24, 2026@09:23:53

Not a VA primary domain

NO Install Message sent

Install Started for MAG*3.0*350 :
    Feb 24, 2026@09:23:53

Build Distribution Date: Sep 26, 2024

Installing Routines:
    Feb 24, 2026@09:23:53

Running Pre-Install Routine: PRE^MAGIP350

Installing Data Dictionaries:
    Feb 24, 2026@09:23:53

Installing PACKAGE COMPONENTS:

Installing REMOTE PROCEDURE
    Feb 24, 2026@09:23:53

Running Post-Install Routine: POST^MAGIP350

STATUS REASON (file #2005.88) successfully updated

Post Install Mail Message: Feb 24, 2026@09:23:53

Updating Routine file...

Updating KIDS files...

MAG*3.0*350 Installed.
    Feb 24, 2026@09:23:53

Not a VA primary domain

NO Install Message sent

Install Started for MAG*3.0*357 :
```

```
Feb 24, 2026@09:23:53
Build Distribution Date: Sep 11, 2024
Installing Routines:
    Feb 24, 2026@09:23:53
Running Pre-Install Routine: PRE^MAGIP357
Installing Data Dictionaries:
    Feb 24, 2026@09:23:53
Installing Data:
    Feb 24, 2026@09:23:53
Installing PACKAGE COMPONENTS:
Installing REMOTE PROCEDURE
Installing PARAMETER DEFINITION
    Feb 24, 2026@09:23:53
Running Post-Install Routine: POS^MAGIP357
    Attaching RPCs to the 'MAG DICOM VISA' option...
    MAGV GET WORK ITEM MODALITIES
    MAGV GET WORK ITEM PROCEDURES
    MAGV GET WORK ITEM SOURCES
    MAGV RAD STAT COMPLETE
    MAGV UPDATE WORK ITEM SERVICE
    RPCs have been successfully attached.
Post Install Mail Message: Feb 24, 2026@09:23:53
Updating Routine file...
Updating KIDS files...
MAG*3.0*357 Installed.
    Feb 24, 2026@09:23:53
Not a VA primary domain
NO Install Message sent
Install Started for MAG*3.0*335 :
    Feb 24, 2026@09:23:53
Build Distribution Date: Jan 08, 2025
Installing Routines:
    Feb 24, 2026@09:23:53
Running Post-Install Routine: POS^MAGIP335
Post Install Mail Message: Feb 24, 2026@09:23:53
Updating Routine file...
Updating KIDS files...
MAG*3.0*335 Installed.
```

```
Feb 24, 2026@09:23:53
Not a VA primary domain
NO Install Message sent
Install Started for MAG*3.0*376 :
    Feb 24, 2026@09:23:53
Build Distribution Date: Dec 17, 2024
Installing Routines:
    Feb 24, 2026@09:23:53
Running Post-Install Routine: POST^MAGIP376
Updating Routine file...
Updating KIDS files...
MAG*3.0*376 Installed.
    Feb 24, 2026@09:23:53
Not a VA primary domain
NO Install Message sent
Install Started for MAG*3.0*354 :
    Feb 24, 2026@09:23:53
Build Distribution Date: Jul 05, 2024
Installing Routines:
    Feb 24, 2026@09:23:53
Running Post-Install Routine: ^MAGIP354
Updating Routine file...
Updating KIDS files...
MAG*3.0*354 Installed.
    Feb 24, 2026@09:23:53
Not a VA primary domain
NO Install Message sent
Install Started for MAG*3.0*370 :
    Feb 24, 2026@09:23:53
Build Distribution Date: May 06, 2025
Installing Routines:
    Feb 24, 2026@09:23:53
Install Completed
```

Figure 4-4: Example of RPMS KIDS Load and install of the 2-MAG_3_0_BundleIHS_251_265.KID

5.0 Installation Configuration

Please refer to the Veteran's Affairs VistA Imaging MAG Patch Descriptions provided by SQA for the client executables. The installation of the RPMS MAG KID files is covered in this document.

Note: The RPMS Imaging Support team will be reviewing installations and configuration with the Area VI Scanning (only) teams during a Kickoff call and office hour(s). To be announced.

For the Scanning + DICOM Modality Worklist and DICOM storage sites, an initial Kickoff call will be scheduled in addition to individual site Implementation/Planning, Pre-installation and Go Live virtual meetings.

Glossary

File

A set of related records or entries treated as a single unit.

FileMan

The database management system for the VA's VistA system and IHS' RPMS system.

HL7

Health Level Seven. An ANSI approved American National Standard for electronic data exchange in health care.

Menu

A list of choices for computing activity. A menu is a type of option designed to identify a series of items (other options) for presentation to the user for selection.

Parameter

A name in a function or subroutine definition that is replaced by, or bound to, the corresponding actual argument when the function or subroutine is called.

VA

Veteran's Administration. United States Department of Veterans Affairs.

VistA

The Veterans Health Information Systems and Technology Architecture. An Enterprise-wide information system built around an Electronic Health Record (EHR), used throughout the VA medical system.

Acronym List

Acronym	Meaning
BGP	Background Processor
CHIT	Certified Health Information Technology
DD	Data Dictionary
DICOM	Digital Imaging and Communications in Medicine
EHR	Electronic Health Record
HDIG	Hybrid DICOM Gateway
IHS	Indian Health Service
IT	Information Technology
KIDS	Kernel Installation and Distribution System
LDGW	Legacy DICOM Gateway
MAG	VistA Imaging Namespace for VA Vista/IHS RPMS
Q/R	Query and Retrieve
RPMS	Resource and Patient Management System
SC	Storage Cluster
SQA	Software Quality Assurance
VA	Veteran's Administration
VM	Virtual Machine

Contact Information

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

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Web: <https://www.ihs.gov/itsupport/>

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