



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Personal Health Record

(BPHR)

Addendum to Installation Guide and Release Notes

Version 2.1 Patch 2
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Table of Contents

1.0	Release Notes	1
2.0	Installation Notes	2
2.1	Contents of Distribution	2
2.2	Required Resources	2
2.3	Before You Begin: Installation Issues	3
2.3.1	BPHR Web Service	3
2.3.2	BPHR Package – Central Processing Unit (CPU) Capacity	3
3.0	Installation Instructions	4
3.1	Pre-KIDS Installation Setup Configuration.....	4
3.2	KIDS Installation Instructions.....	4
3.2.1	Pre-Installation.....	4
3.2.2	BPHR Installation	4
3.2.3	PHR Web Service.....	4
4.0	Sample Installation	5
4.1	Sample Cache Install.....	5
5.0	Installation Configuration	8
	Glossary	9
	Acronym List	10
	Contact Information	11

Preface

The purpose of this manual is to provide installation information for the Personal Health Record (namespace BPHR) package. The BPHR package is designed to enable verified patients to request and view their Resource and Patient Management System (RPMS) data online.

1.0 Release Notes

This is the second patch of the Personal Health Record (PHR) application. The PHR is an online health record, which is accessible to patients and contains their medical history. Examples of items contained in a PHR are clinical and hospital visits, laboratory results, medication history, chronic diseases, etc.

BPHR enables patients to access their medical history to manage their healthcare. As a Meaningful Use (MU) certification requirement, a Performance measure needs to know if a patient logged onto the PHR and if a patient used secure messaging by either sending or receiving a message to a provider who has a DIRECT email address.

2.0 Installation Notes

Prefix: BPHR

Current Version: 2.1 Patch 2

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

- Make a copy of this distribution for offline storage.
- Print all notes and readme files.
- It is recommended that terminal output during the Kernel Installation and Distribution System (KIDS) installation be captured using an auxport printer attached to the terminal at which the user is performing the software installation or using a screen capture. This capture combined with the KIDS entry in the INSTALL file will ensure a printed audit trail should any problems arise.

2.1 Contents of Distribution

Table 2-1: Contents of distribution by file and description

File	Description
bphr0210.02.k	KIDS file
bphr021.02.n	Notes file
bphr021.02i.pdf	Installation Guide and Release notes
bphr021.02u.pdf	User Manual
bphr021.02t.pdf	Technical Manual

2.2 Required Resources

Table 2-2: Required modules by minimum version

Module	Minimum Version	Recommended Version
Ensemble 2012	v2012	
VA FileMan (DI)	v22.0 Patch 1019	
IHS/VA Utilities (XB)	v3.0 through Patch 11	
IHS Kernel Toolkit (XT)	v7.3 through Patch 1018	
VA Kernel (XU)	v8.0 Patch 1018	
IHS Personal Health Record (BPHR)	v2.1 Patch 1	

2.3 Before You Begin: Installation Issues

2.3.1 BPHR Web Service

During the installation process, the connection information to the Personal Health Record server will be checked to make sure that it is defined correctly. A menu option has been provided to change this information if it becomes necessary in the future. See the User Manual for specifics.

2.3.2 BPHR Package – Central Processing Unit (CPU) Capacity

The BPHR Application Programming Interface (API) calls should not have a noticeable impact on the CPU capacity.

3.0 Installation Instructions

3.1 Pre-KIDS Installation Setup Configuration

There is no special RPMS pre-KIDS installation setup configuration needed.

3.2 KIDS Installation Instructions

This section details the steps required to install the BPHR KIDS package. This is a new package with new routines, so there should not be anything on the system to back up or compare.

Also, no options need to be taken out of service because the components to be added will not be directly added to any existing options.

3.2.1 Pre-Installation

If possible, initially load the software into a test account, then into the production account. There are no routines or globals to remove after the installation is complete.

3.2.2 BPHR Installation

This is a standard KIDS installation. See Section 4.0 for a sample installation.

3.2.3 PHR Web Service

The installation includes the PHR web service information. As part of the install, a menu option has been imported if it ever becomes necessary to change any information on how to connect to the PHR server. Instructions will be given on how to use this option in the User Manual.

4.0 Sample Installation

4.1 Sample Cache Install

Note: User responses appear in bold type.

```

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

```

```

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution
Enter a Host File: D:\pub\bphr_0210.02k

```

```

KIDS Distribution saved on Feb 19, 2018@12:40:52
Comment: PHR Version 2.1 Patch 2

```

```

This Distribution contains Transport Globals for the following Package(s):
  BPHR*2.1*2
Distribution OK!

```

```

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

```

```

  BPHR*2.1*2
Use INSTALL NAME: BPHR*2.1*2 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: 2 Verify Checksums in Transport Global
Select INSTALL NAME:   BPHR*2.1*2      Loaded from Distribution   2/19/18@12:48:08
=> PHR Version 2.1 Patch 2 ;Created on Feb 19, 2018@12:40:52

```

```

This Distribution was loaded on Feb 19, 2018@12:48:08 with header of
  PHR Version 2.1 Patch 2 ;Created on Feb 19, 2018@12:40:52
It consisted of the following Install(s):
  BPHR*2.1*2

```

```

Want each Routine Listed with Checksums: Yes// NO
DEVICE: HOME// VIRTUAL

```

```

PACKAGE: BPHR*2.1*2      Feb 19, 2018 12:49 pm      PAGE 1

```



```
-----  
  
3 Routines checked, 0 failed.  
  
1      Load a Distribution  
2      Verify Checksums in Transport Global  
3      Print Transport Global  
4      Compare Transport Global to Current System  
5      Backup a Transport Global  
6      Install Package(s)  
      Restart Install of Package(s)  
      Unload a Distribution  
  
You have PENDING ALERTS  
      Enter "VA to jump to VIEW ALERTS option  
  
Select Installation <TEST ACCOUNT> Option: 6 Install Package(s)  
Select INSTALL NAME: BPHR*2.1*2      Loaded from Distribution      2/19/18@12:48:  
08  
      => PHR Version 2.1 Patch 2 ;Created on Feb 19, 2018@12:40:52  
  
This Distribution was loaded on Feb 19, 2018@12:48:08 with header of  
      PHR Version 2.1 Patch 2 ;Created on Feb 19, 2018@12:40:52  
      It consisted of the following Install(s):  
          BPHR*2.1*2  
Checking Install for Package BPHR*2.1*2  
  
Install Questions for BPHR*2.1*2  
  
Incoming Files:  
  
      90670.2  BPHR WEB SERVICE  
Note: You already have the 'BPHR WEB SERVICE' File.  
  
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//  
  
Install Started for BPHR*2.1*2 :  
      Feb 19, 2018@13:07:55  
  
Build Distribution Date: Feb 19, 2018  
  
Installing Routines:....  
      Feb 19, 2018@13:07:55  
  
Running Pre-Install Routine: PRE^BPHR21P2.
```

```
Installing Data Dictionaries: ..  
    Feb 19, 2018@13:07:55  
  
Installing PACKAGE COMPONENTS:  
  
Installing OPTION....  
    Feb 19, 2018@13:07:55  
  
Updating Routine file.....  
  
Updating KIDS files.....  
  
BPHR*2.1*2 Installed.  
    Feb 19, 2018@13:07:55  
  
Not a VA primary domain  
  
NO Install Message sent  
  
Install Completed
```

Figure 4-1: Sample Cache Install

5.0 Installation Configuration

There are two globals associated with the package in RPMS: BPHRCLS and BPHR. Neither global needs to be journaled because neither global will increase in size.

Glossary

Personal Health Record

An online health record, accessible to patients, containing their medical history. Examples of items contained in a PHR are clinical and hospital visits, laboratory results, medication history, chronic diseases, etc.

Resource and Patient Management System (RPMS)

A series of integrated software components that includes clinical, administrative, and financial functions.

Acronym List

Acronym	Term Meaning
API	Application Programming Interface
BPHR	PHR Namespace
CPU	Central Processing Unit
IHS	Indian Health Service
KIDS	Kernel Installation and Distribution System
MU	Meaningful Use
PHR	Personal Health Record
RPMS	Resource and Patient Management System

Contact Information

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

Phone: (888) 830-7280 (toll free)

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

Email: support@ihs.gov