RESOURCE AND PATIENT MANAGEMENT SYSTEM

Certified Electronic Record Checker

(BCER)

Installation Guide and Release Notes

Version 8.2
November 2024

Office of Information Technology
Division of Information Technology

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Preface

This package examines the Indian Health Service (IHS) Resource and Patient Management System (RPMS) software packages to verify that the version and patch level is at the minimum level required to meet the HTI-1/b11 requirements.

1.0   Release Notes

The Certified Electronic Record Checker (BCER) Version 8.2 checks for the minimum level of software version and patches needed to meet HTI-1/b11 requirements.

It includes the following routines:

- BCEREC82
- BCEROPT

1.1   Feature Numbers Included in Release

- Feature 110640–BCER version for HTI-1 release
- Description: BCER version for HTI-1 release

2.0   Installation Notes

Prefix: BCER
Current Version: 8.2

2.1   Contents of Distribution

Table 2-1: List of distributed files with descriptions

File	Description
bcer0820.k	KIDS install
bcer082i.pdf	Installation Guide and Release Notes
bcer082t.pdf	Technical Manual
bcer082u.pdf	User Manual

2.2   Required Resources

The following patches needs to be installed prior to installing BCER v8.2:

- Kernel v8.0 p1018 (XU*8.0*1018) or later

- FileMan v22.0 p1018 (DI*22.0*1018) or later

3.0   Installation Instructions

In all namespaces where BCER will be installed:

1. Log in as a system manager and go to programmer mode **D ^XUP** and choose:
   KERNEL INSTALLATION AND DISTRIBUTION.

2. Load the KIDS using Option **1** on the **KIDS Installation** menu.

3. Verify the load using Option **2** on the **KIDS Installation** menu.

4. Install the distribution using Option **6**; the **Install Name** is **BCER 8.2.**

   a. The installation should take less than five minutes.

   b. The Menu Trees do not need to be rebuilt.

   c. Logons do not need to be disabled.

   d. Scheduled Options, Menu Options, or Protocols do not need to be disabled.

   e. It is strongly recommended that the output not be queued so that the
      post-install messages display.

   f. It is recommended that the terminal output during the installation be captured.
      This will ensure a printed audit trail if any problems should arise. In addition,
      if any requirements are missing, a list of missing patches and versions is
      provided during the installation.

4.0   Sample Installations

4.1   Sample Cache Install

```
F4Q1D>D ^XUP

Setting up programmer environment
This is a TEST account.

Terminal Type set to: C-VT100

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:
INstalla
tion


    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: 1  Load a Distribution
Enter a Host File: f:\databases\healthshare\f1q2d\bcer0820.k
KIDS Distribution saved on Aug 08, 2024@17:09:46
Comment: BCER 8.2

This Distribution contains Transport Globals for the following Package(s):
   BCER 8.2
Distribution OK!

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

   BCER 8.2
Use INSTALL NAME: BCER 8.2 to install this Distribution.


    1       Load a Distribution
    2       Verify Checksums in Transport Global
    3       Print Transport Global
```

```
Select Installation <TEST ACCOUNT> Option: 2  Verify Checksums in Transport
Global
Select Installation <TEST ACCOUNT> Option: 2  Verify Checksums in Transport
Glob
al
Select INSTALL NAME:    BCER 8.2     Loaded from Distribution
8/8/24@17:17:40
     => BCER 8.2  ;Created on Aug 08, 2024@17:09:46

This Distribution was loaded on Aug 08, 2024@17:17:40 with header of
   BCER 8.2  ;Created on Aug 08, 2024@17:09:46
   It consisted of the following Install(s):
      BCER 8.2

Want each Routine Listed with Checksums: Yes//
DEVICE: HOME//   VIRTUAL

PACKAGE: BCER 8.2     Aug 08, 2024 5:18 pm                          PAGE 1
-------------------------------------------------------------------------


BCEREC82  Calculated   97505138
BCEROPT   Calculated    1334588

   2 Routines checked, 0 failed

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



Select Installation <TEST ACCOUNT> Option: 6  Install Package(s)
Select INSTALL NAME:    BCER 8.2     Loaded from Distribution
8/8/24@17:17:40
     => BCER 8.2  ;Created on Aug 08, 2024@17:09:46

This Distribution was loaded on Aug 08, 2024@17:17:40 with header of
   BCER 8.2  ;Created on Aug 08, 2024@17:09:46
   It consisted of the following Install(s):
      BCER 8.2
Checking Install for Package BCER 8.2

Install Questions for BCER 8.2


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
qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq


             Aug 08, 2024@17:17:53

  Install Started for BCER 8.2 :
             Aug 08, 2024@17:20:19

 Build Distribution Date: Aug 08, 2024

  Installing Routines:
             Aug 08, 2024@17:20:19

  Updating Routine file...

  Updating KIDS files...

  BCER 8.2 Installed.
             Aug 08, 2024@17:20:19
  NO Install Message sent
 _____


   100%          ┌────────────25──────────50──────────75──────────────┐
Complete         └─────────────────────────────────────────────────────┘

Install Completed
```

Figure 4-1: Sample installation

5.0   Installation Configuration

This application is an RPMS KIDS build that looks for the minimum level of software version and patches needed to meet HTI-1/b11 requirements.

There are no additional requirements beyond what is listed in this document.

The **BCERMENU** option can be added to an existing System menu or run directly.

```
Select Menu Management <TEST ACCOUNT> Option: EOP  Edit options

Select OPTION to edit: ADMIN TOOLS        Admin Tools
NAME: ADMIN TOOLS//
MENU TEXT: Admin Tools//
PACKAGE: KERNEL//
OUT OF ORDER MESSAGE:
LOCK:
REVERSE/NEGATIVE LOCK:
DESCRIPTION:
  No existing text
  Edit? NO//
TYPE: menu//
HEADER:
ENTRY ACTION:
EXIT ACTION:
Select ITEM: ADSLICRPT// BCERMENU       Certification Installation Check
  Are you adding 'BCERMENU' as a new MENU (the 13TH for this OPTION)? No//
Y
  (Yes)
   MENU SYNONYM: BCER
  SYNONYM: BCER//
  DISPLAY ORDER: 15
Select ITEM:
CREATOR: ADAM,ADAM//
HELP FRAME: ^

Select OPTION to edit:


Select IHS Kernel <TEST ACCOUNT> Option: 12  Admin Tools


    1      Stop/restart Lab to PCC Transaction Processor
    2      BMXNet Management ...
    3      Background Process Control Menu ...
    4      CIA Broker Main Menu ...
    5      Manage CCDA transmissions
    6      Monitor Taskman
    7      System Status
    8      Restart Task Manager
    9      Stop Task Manager
    10     Display of Programmer Mode Entry List
    11     Build Primary Menu Trees
    BCER   Certification Installation Check
    ADS    ADS INTERSYSTEMS LICENSE REPORT
```

Figure 5-1: BCER Certification Installation Check option

After installation, run the menu option to see which EHR Certification installations might be missing. See User Manual for examples.

Acronym List

Acronym	Meaning
CHIT	Certified Health IT
EHR	Electronic Health Record
IHS	Indian Health Service
IT	Information Technology
RPMS	Resource and Patient Management System

Contact Information

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

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

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

Email: itsupport@ihs.gov