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Preface

This manual contains the installation information for the Laboratory Accession GUI package. Included are an introduction and release notes that should be shared with all Scheduling users. Also included are installation instructions and a sample installation session.

Security

The BLR does not use security keys to limit user’s ability to change system set-up parameters and patient information.

Rules of Behavior

All RPMS users are required to observe HHS and IHS Rules of Behavior regarding patient privacy and the security of both patient information and IHS computers and networks.
1.0 Release Notes

The following is a list of features in the Laboratory Accession GUI (BLGU) for Version 1.0. This list does not provide detailed descriptions of all features.

1.1 Accessioning

- **Accession tests ordered by ward:** The user can select one, or more laboratory orders for the specified patient to be accessioned.
- **Print Accession Labels:** Allows the user to automatically print accession labels to a designated printer.
- **Automatically refreshes patients list:** The system automatically refreshes the list of pending laboratory orders collected and uncollected.
- **Automatic Patient Removal:** The system will automatically remove the patient from the patient list when all ordered tests have been accessioned.
- **Laboratory Order Detail:** Detailed information for each order is displayed in the task pane.
- **Billing:** The system if configured is able to display to the user which party is responsible for billing.
  - **Third Party:** Display Third Party insurance companies
  - **Client:** Display all client account numbers for selection
  - **Patient:** Company name and policy name are used
- **Billing Diagnosis:** The user is able to select one or more ICD9 Diagnosis best represented for the order.

1.2 Delete Accessioned Tests

- **Delete an Accessioned Test:** Allows the user to delete accessioned tests grouped by the accession number.

1.3 Printing

- **Re-Print Labels:** Allows the user to re-print single or multiple accession labels using a date range once accessioning is complete.
- **Re-Print Manifest:** Allows the user to print a shipping manifest list for specimens sent outside the facility if a shipping manifest fails to print or a copy must be made.
- **Print Manifest:** Allows the user to print a shipping manifest list for lab specimens sent to outside laboratories.
1.4 Manifest

- **Build**: Allows the user to automatically build a manifest for all accessioned tests.
- **Start**: Allows the user to create an empty manifest that can remain open all day to be reviewed, closed, and shipped when the courier picks up specimens.
- **Add/Remove**: Allows the user to add or remove accessioned test that are designated for the manifest.
- **Close/Ship**: Allows the user to close the manifest at which time they can print the manifest or if they ship the manifest a date will be required.

1.5 Order/Test Status

- **Order/Test Status**: Allows the user to select a patient to see the status of all tests for a given day.
2.0 **Installation Notes**

Prefix: BLGU  
Current Version: 1.0

Read entire notes file prior to attempting any installation.

2.1 **General Information**

- Make a copy of this distribution for offline storage.
- Print all notes/readme files.
- It is recommended that during the installation the terminal output is captured using an auxport printer attached to the terminal at which you are performing the software installation. This provides a printed audit trail if any problems should arise.

2.2 **Contents of Distribution**

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>blgu010u.pdf</td>
<td>User Manual in PDF format</td>
</tr>
<tr>
<td>blgu010i.pdf</td>
<td>Installation Guide and Release notes in PDF format (this manual)</td>
</tr>
<tr>
<td>blgu010t.pdf</td>
<td>Technical manual in PDF format</td>
</tr>
<tr>
<td>blgu0100client.zip</td>
<td>GUI software for the client PC</td>
</tr>
<tr>
<td>blgu0100.k</td>
<td>blgu kids build to register check sums and version numbers</td>
</tr>
</tbody>
</table>

2.3 **Required Resources**

**RPMS Minimum Server Requirements**

- Cache version 5.0
- Kernel version 8.0
- lr_0520.31k
- blr_5.2*1032k

**Client PC Requirements**

- Microsoft Windows XP or Windows 7
- Microsoft .NET Framework 3.5
2.4 Before You Begin: Installation Issues

Laboratory Accession GUI (BLGU) contains components that are installed on the RPMS Server and components that run on the client PC. Installation of the server components is conventional and consists of a KIDS build.

2.4.1 Standard Client Deployment

Standard client deployment refers to the conventional method of the installation of Windows software on a client PC using a setup application. New versions of the client software must also be installed on the PC when they are released. Use standard deployment if you are installing on a terminal server such as Citrix.
3.0 Installation Instructions

3.1 Routines and Checksums

The following table shows BLR routines and corresponding checksums.

<table>
<thead>
<tr>
<th>Routine / Checksum</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLRAG01 / 101525594</td>
</tr>
<tr>
<td>BLRAG02 / 95576705</td>
</tr>
<tr>
<td>BLRAG03 / 810924020</td>
</tr>
<tr>
<td>BLRAG04 / 47744545</td>
</tr>
<tr>
<td>BLRAG05 / 60507235</td>
</tr>
<tr>
<td>BLRAG05A / 22332619</td>
</tr>
<tr>
<td>BLRAG05B / 49360365</td>
</tr>
<tr>
<td>BLRAG05C / 94268521</td>
</tr>
<tr>
<td>BLRAG05D / 55897276</td>
</tr>
<tr>
<td>BLRAG06 / 14304481</td>
</tr>
<tr>
<td>BLRAG07 / 24596113</td>
</tr>
<tr>
<td>BLRAG08 / 60481809</td>
</tr>
<tr>
<td>BLRAG09 / 113963521</td>
</tr>
<tr>
<td>BLRAG09A / 31280667</td>
</tr>
<tr>
<td>BLRAG09B / 82307196</td>
</tr>
<tr>
<td>BLRAG09C / 96098673</td>
</tr>
<tr>
<td>BLRAG09D / 132452560</td>
</tr>
<tr>
<td>BLRAG09E / 77176272</td>
</tr>
<tr>
<td>BLRAG09F / 68831349</td>
</tr>
<tr>
<td>BLRAG09G / 2985363</td>
</tr>
<tr>
<td>BLRAG10 / 5772688</td>
</tr>
<tr>
<td>BLRAGC / 11387484</td>
</tr>
<tr>
<td>BLRAGUT / 23431877</td>
</tr>
<tr>
<td>BLRRLEVT / 166606156</td>
</tr>
</tbody>
</table>

3.2 Server Application Object Repository Installation

The shared folder should be subdivided into separate directories for each namespace.
3.2.1 Installing the Client Components to the Shared Folder

1. Execute the self-extracting archive (blgu0100.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 is updated with the new settings.

![WinZip Self-Extractor Dialog](image1.png)

Figure 3-1: WinZip Self-Extractor Dialog

5. Click **Unzip** to extract the files necessary to begin the installation process. When the extraction process completes, a confirmation message appears:

![WinZip Successful](image2.png)

Figure 3-2: WinZip Successful

6. Click **OK**.

3.3 KIDS Distribution

1. Load distributions blgu0100.k into KIDS using option 1 on the KIDS Installation menu.

2. Verify the checksums using option 2 on the KIDS Installation Menu.
3. Consider using the 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.

5. You may be informed that one or more builds have already been installed and be prompted to continue loading. Respond YES in each case.

6. You may be informed that one or more broker processes are currently running. This is normal. Respond by entering a Y at the prompt to continue the installation.

7. When prompted to enable VueCentric logons, respond by entering Y.
4.0 Sample Installations

>DXUP

Setting up programmer environment
This is a TEST account.

Access Code:

Terminal Type set to: C-VT100

Select OPTION NAME: EVE
1 EVE Systems Manager Menu
2 EVENT DELAYED ORDERS MENU OR DELAYED ORDERS Event Delayed Orders Menu
3 EVENT LOG HLEM EVENT LOG Event Log
4 EVENT MONITORING MENU HLEV MENU MAIN Event monitoring menu
5 EVENT MONITORING SERVER HLEV-INFORMATION-SERVER Event monitoring server

Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1 EVE Systems Manager Menu

Core Applications ...
Device Management ...
FM VA FileMan ...
Manage Mailman ...
Menu Management ...
Programmer Options ...
Operations Management ...
Spool Management ...
Information Security Officer Menu ...
Task Manager ...
Taskman Management ...
User Management ...
Application Utilities ...
Capacity Management ...
HL7 Main Menu ...

You have PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option
Select Systems Manager Menu Option: PROgrammer Options
KIDS Kernel Installation & Distribution System ...
P  Programmer mode
  Delete Unreferenced Options
  Error Processing ...
  Global Block Count
  List Global
  Routine Tools ...

You have PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option
Select Programmer Options Option: K Kernel Installation & Distribution System

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

You have 9 PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

Select Kernel Installation & Distribution System Option: Installation

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 9 PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

Select Installation Option: 1 Load a Distribution
Enter a Host File: C:/APP/blgu0100.k

KIDS Distribution saved on Mar 15, 2012@02:40:28
Comment: IHS BLGU V1.0
This Distribution contains Transport Globals for the following Package(s):

   blgu*0100.k

Distribution OK!

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

   blgu*0100.k

Use INSTALL NAME: blgu*0100 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

Select Installation Option: 6 Install Package(s)
Select INSTALL NAME: blgu*0100  Loaded from Distribution  Loaded from Distribution  3/19/12@15:28:23
   => UPDATES ;Created on Mar 15, 2012@02:40:28
This Distribution was loaded on Mar 19, 2012@15:28:23 with header of
   UPDATES ;Created on Mar 15, 2012@02:40:28
   It consisted of the following Install(s):
   LR*5.2*1031
Checking Install for Package blgu*0100

Install Questions for blgu*0100

Incoming Files:
LAB ORDER ENTRY (Partial Definition)

Note: You already have the 'LAB ORDER ENTRY' File.

Want KIDS to INHIBIT LOGONs during the install? NO// YES

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.

BSDX 3.0

----------------------------------------------------------------------

Mar 19, 2012@15:28:39
Running Post-Install Routine: POST^BLRAGC
Executing kill logic ...
Deleting index definition ...
Creating index definition ...
Executing set logic ...

Updating Routine file...

Updating KIDS files...

blgu*0100 Installed.
    Mar 19, 2012@15:28:39
Not a VA primary domain

NO Install Message sent

100% Complete

25  50  75

Install Completed

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 9 PENDING ALERTS
    Enter "VA to jump to VIEW ALERTS option

There is PRIORITY Mail!

Figure 4-1: Sample installation

4.1 Sample Cache Install
None, Cache is already installed.

4.2 Sample Ensemble Install
None, Ensemble is already installed.
4.3 Post Installation RPMS Parameter Setup

1. **Ref Lab Client Account number.** The Ref Lab Client Account number must be entered in the BLR Master Control file.

2. **BLR DAYS TO ACCESSION Parameter:** Set the parameter for the number of days in the past and future to display orders in the Lab Accession GUI. The Default setting is 30 days. Screen shot shows how to change the parameter to 60 days.

3. **Label Printer Setup:** Set up the Label Printer in the Laboratory Site Parameter file (69.9). The printer must be defined in the under the Printer division and the device must be added to the Accession Printer field.

4. **BLR PT CONFIRM PARAMETER:** Active the “Confirmed by” Parameter to be able to enter who confirmed the patient’s identity. Set the Parameter to Yes.
Figure 4-5: PT Confirm Days Parameter
Appendix A: Installation Note for Laboratory Accession GUI 1.0

Read the entire notes file prior to attempting any installation!

A.1 Point of Contact
If you have any questions or comments regarding this distribution, contact:

Phone: 1.877.633.7743
Fax: 1.760.683.3701
Web: www.medsphere.org
Email: support@medsphere.com

A.2 Files Installed

A.2.1 Framework Files
These files are placed in the Bin folder. For EHR to recognize that the files are new, the vcIniConfig.exe file also found in the Bin folder, must be launched to update VueCentric.ini.

<table>
<thead>
<tr>
<th>Filename</th>
<th>Version</th>
<th>Checksum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft.Practices.Composite.dll</td>
<td>2.0.1.19224</td>
<td>CC39B787C31FACCB43296539B5622931B</td>
</tr>
<tr>
<td>Microsoft.Practices.Composite.Presentation.dll</td>
<td>2.0.1.19225</td>
<td>842A850CA6778B3FDE45BBCBBE8D846F</td>
</tr>
<tr>
<td>Microsoft.Practices.ObjectBuilder2.dll</td>
<td>2.2.0.0</td>
<td>3CEF2A280AD9AA53ACC5557DF0095158</td>
</tr>
<tr>
<td>Microsoft.Practices.ServiceLocation.dll</td>
<td>1.0.0.0</td>
<td>6DF788B163D443D95B21F58808320AF7</td>
</tr>
<tr>
<td>Microsoft.Practices.Unity.dll</td>
<td>1.2.0.0</td>
<td>687181AB4D9B3F1A8B2441FA8B284419</td>
</tr>
<tr>
<td>Telerik.Windows.Controls.dll</td>
<td>2011.1.223.35</td>
<td>94CFF78B7B806560F4CDAED1A9DFCBEF</td>
</tr>
<tr>
<td>Telerik.Windows.Controls.GridView.dll</td>
<td>2011.1.223.35</td>
<td>961A54CF3B137F22C810FEFD6EE00A6D</td>
</tr>
</tbody>
</table>
A.2.2 Component files:

These files are placed in the Lib folder. To ensure the newest components are recognized and loaded into the EHR for this version, you must load and install the KIDS file that's identified in Section 3.3. The KIDS file updates the vcManager.exe.

<table>
<thead>
<tr>
<th>Filename</th>
<th>Version</th>
<th>Checksum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telerik.Windows.Data.dll</td>
<td>2011.1.223.35</td>
<td>EC54BDCC21C9A0F99191E5DF9CDA929A</td>
</tr>
</tbody>
</table>
Glossary

Namespace
A unique set of two to four alpha characters that are assigned by the database administrator to a software application.
## Acronym List

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLGU</td>
<td>Lab Accession GUI</td>
</tr>
<tr>
<td>BLR</td>
<td>IHS Laboratory Namespace</td>
</tr>
<tr>
<td>HHS</td>
<td>Health and Human Services</td>
</tr>
<tr>
<td>ICD9</td>
<td>International Classification of Disease Version 9</td>
</tr>
<tr>
<td>IHS</td>
<td>Indian Health Service</td>
</tr>
<tr>
<td>RPMS</td>
<td>Resource and Patient Management System</td>
</tr>
</tbody>
</table>
Contact Information

If you have any questions or comments regarding this distribution, contact the OIT User Support (IHS) by:

Phone: (505) 248-4371 or (888) 830-7280  
Fax: (505) 248-4363  
Web: http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm  
Email: support@ihs.gov