Bar Code Medication Administration (BCMA) BCMA Backup System (BCBU) InterSystems IRISHealth Installation and Setup Guide



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Revision History

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Table of Contents

1	Introd	luction	1
	1.1.	General Background Information	1
	1.2.	Prerequisites	2
	1.3.	License/Key	2
	1.4.	Overview	2
2.	Retrie	eve and Unzip Files	2
	2.1.	List of Files Required for Installation	2
3.	Conv	erting From Cache to IRISHealth	3
	3.1.	Software Conversion	3
	3.2.	License Conversion	5
4.	New I	BCBU Workstation Installation Instructions	6
	4.1.	IRISHealth EXE Installation	6
	4.2.	Stop IRIS application	. 11
	4.3.	Copy files to "C:\InterSystems\IRISHealth"	. 12
	4.4.	Restart IRIS Service	. 13
	4.5.	Management Portal Configuration Steps	. 13
	4.6.	Stop and Restart IRIS Service	. 25
5.	Settir	ng up BCMA Backup Shortcut	. 26
6.	BCBL	J Printer Set Up	. 33
	6.1.	Connect the printer to the workstation	. 33
	6.2.	Install the Windows printer drivers. Use Generic Drivers	22
	~ ~	(Recommended)	. 33
-	6.3.	Rename windows printer to BCBU PRINTER	. 33
1.	Initial	ize new BCBU with user and patient data	. 34
Ap	pendi	x A. Apache Security Updates	36
	A.1	Apache Patch Information	. 36
	A.2	Example Workstation Installation	. 37

1 Introduction

This document contains instructions for the installation of IrisHealth on Microsoft Windows workstations.

1.1. General Background Information

These instructions are specific to installing IRIS on Windows workstations for the use of IRISHealth with BCMA Backup system (BCBU). These instructions cover two types of installations:

- 1. Conversion of an existing BCBU Cache workstation to IRISHealth
- 2. Installation of Intersystems IRISHealth on workstations which have never had Intersystems Cache or IRISHealth installed before.

1.1.1.Intended Audience

This document is intended for VA personnel responsible for the installation of IRISHealth for the use of IRISHealth with BCMA Backup (BCBU) system.

This document presumes a working knowledge of Microsoft Windows Operating Systems.

1.1.2. Software Disclaimer

This software was developed at the Department of Veterans Affairs (VA) by employees of the Federal Government in the course of their official duties. Pursuant to title 17 Section 105 of the United States Code this software is not subject to copyright protection and is in the public domain. VA assumes no responsibility whatsoever for its use by other parties, and makes no guarantees, expressed or implied, about its quality, reliability, or any other characteristic. We would appreciate acknowledgement if the software is used. This software can be redistributed and/or modified freely provided that any derivative works bear some notice that they are derived from it, and any modified versions bear some notice that they have been modified.

1.1.3. Documentation Disclaimer

The appearance of external hyperlink references in this manual does not constitute endorsement by the Department of Veterans Affairs (VA) of this Web site or the information, products, or services contained therein. The VA does not exercise any editorial control over the information you may find at these locations. Such links are provided and are consistent with the stated purpose of the VA.

1.1.4. Document Conventions

This document uses the following typographic conventions:

- Controls, options, and button names are shown in **Bold**.
- A vertical bar is used to separate successive menu choices. For example: "Click File | Open" means: "Click the File menu; then click the Open option."
- Keyboard key names are shown in bold and in brackets.
- Sample output is shown in monospace. For example: BCBUIRISDATmmddyy.zip

• Important or required information is shown in a **Note**.

1.2. Prerequisites

Installation requires administrator privileges through local admin account logon or via user's eToken with admin rights to the machine.

1.3.License/Key

BCMA BU systems require an IRIS license – also referred to as a "key" – to run properly. Please note the following about the license:

- Each site has one point of contact (POC) for IRIS Licenses
- Each site has a single key for all their BCMA BU workstations, i.e. one key per site
- Keys have a 30 year expiration date

For new licenses enter a Service Now Ticket to group: [REDACTED]

Once you receive the key, save it as "iris.key" to folder "C:\BCMABU" on the BCBU workstation.

1.4.Overview

This document contains instructions for the installation of InterSystems IRISHealth or conversion of InterSystems Cache to IRISHealth on Microsoft Windows workstations.

2. Retrieve and Unzip Files

2.1.List of Files Required for Installation

These files are required for installation and can be downloaded from [REDACTED].

Filename	Туре	Location
BCBUIRISDATmmddyy.zip	ZIP	[REDACTED]
Note: "mmddyy" is a placeholder for the date and will change as the file is periodically updated to include all current patch installs.		
IRISHealth-2020.1.0.xxx.xxx-win_x64.exe	EXE	[REDACTED]
This is the Windows 64-bit executable.		
Note: "xxx.xxx" is a placeholder for the version number and will change as the file is periodically updated with Intersystems updates. This directory should only contain the latest version.		

Table 1. Required Installation Files

2.1.1.Create directory C:\BCMABU

• If it does not already exist, create directory C:\BCBAMU. Save both files listed in the previous step to this directory.

2.1.2. Unzip BCBUIRISDATmmddyy.zip to C:\BCMABU

After unzipping the contents for the .ZIP file, the resulting C:\BCMABU directory should contain the following files:

- BCBU Workstation IrisHealth Install-Conversion 2022.doc
- bcma.ico
- cube.ico
- export.ro
- iris.cpf
- iris.dat
- Read Me First.txt

3. Converting From Cache to IRISHealth

NOTE: If you are installing onto a workstation which has never installed BCMA Backup before, then skip this chapter and proceed to chapter "New BCBU Workstation Installation Instructions".

This chapter provides instructions for converting a workstation with an existing Intersystems Cache installation to Intersystems IRISHealth. If you are installing onto a system which has never had Intersystems Cache installed, skip this chapter and go to chapter New BCBU Workstation Installation Instructions.

Be sure to complete the steps in the chapter Retrieve and Unzip Files before proceeding with the instructions in this chapter.

3.1.Software Conversion

- 1. Delete C:\BCMABU\iris.dat
- For conversions, this file must be deleted before starting.
- During this process the existing "cache.dat" will be renamed to "iris.dat" for you.
- If it is not deleted before starting, this will require user and patient inits to be resent from Vista. See chapter <u>Initialize New BCBU with User/Patient Data</u> for instructions on how to resend the inits.
- 2. Run the EXE file as Administrator
- Right-click the file C:\BCMABU\IRISHealth-2020.1.0.xxx.xxx-win_x64.exe and select "Run as Administrator".

 ✓ Quick access ✓ Documents ✓ Downloads ✓ REFEL SESS ✓ BCBU ✓ Desktop ✓ new sites piv ✓ west laf, danvile indiana cboc ✓ OneDrive - Department of Veterans Affairs ✓ CLIN 1 PATCH SPREADSHEET (NEW) ✓ Desktop ✓ Documents ✓ Downloads affairs ✓ CLIN 1 PATCH SPREADSHEET (NEW) ✓ Desktop ✓ Documents ✓ Downloads ✓ Cut to task bar ✓ Cut to task bar<!--</th--><th>← → ∽ ↑ 📙 → This PC → (C:) OSDisk → BCM4</th><th>ABU ></th>	← → ∽ ↑ 📙 → This PC → (C:) OSDisk → BCM4	ABU >
quick Rename Properties	Quick access Documents Downloads Pictures REFEL SESS BCBU Desktop new sites piv west laf,danvile indiana cboc OneDrive - Department of Veterans Affairs CLIN 1 PATCH SPREADSHEET (NEW) Desktop Documents DOWNLOAD Favorites Microsoft Teams Chat Files Microsoft Teams Data Pictures quick TEMP	 Name Stream IRIS.DAT iris.Ick IRISHealth-2020.1.0.215.0-win_x64.e Open Run as administrator Troubleshoot compatibility pin to Start Edit with Notepad++ Share Pin to taskbar Scan for threats Restore previous versions Send to > Cut Copy Create shortcut Delete Rename Properties

Figure 1. Run the EXE file as Administrator

At this point you will have to select the appropriate etoken account or enter administrator account and password at Windows User Account Control dialog pop up. If the Windows user account being used does not have required administrator privileges to perform this installation then you will need to seek assistance from a privileged workstation administrator.

- 3. Cache to IRIS Conversion Question
 - At the Select Instance dialog box "Select Cache (conversion)" and then click "OK".

verson)
Version:
2017.2.2.865.3
Click OK
Exit

Figure 2. Cache to IRIS Conversion Question

3.2.License Conversion

1. Click on the "License" button.



Figure 3. Convert Cache License to IRISHealth

- 2. Locate "iris.key" file previously saved to C:\BCMABU\iris.key
 - Navigate to the directory "C:\BCMABU" and locate the file "iris.key".
 - After locating the file, click "Open". This will copy the iris.key file to the c:\intersystems\cache\mgr directory.

InterSystems IRIS - Installation		×					
👹 InstallShield							\times
\leftarrow \rightarrow \checkmark \uparrow \square \rightarrow This PC	C > OSDisk (C:) > BCMABU		~	õ	Search BCMABU		٩
Organize 🔻 New folder					H •		?
🔮 Documents 🖈 ^ 🗈 N	Vame	Date modified	Туре	Size			
🖶 Downloads 🖈	stream	10/19/2021 9:59 AM	File folder				
📰 Pictures 🛷	iris.key	10/19/2021 8:54 AM	KEY File		1 KB		
OneDrive							
This PC							
3D Objects							
Desktop							
Documents							
Downloads							
Music							
E Pictures							
📱 Videos							
OSDisk (C:)							
A Network							
File <u>n</u> ame	iris.key			~	License Files (*.key)		\sim
	<u>.</u>				<u>O</u> pen	Cancel	

Figure 4. Locating "iris.key" file

3. After License Process Completes, select "Convert"



Figure 5 Final Conversion Step

- 4. Click "Finish"
 - Once the convert process is done, then the "Finish" button is available to click.
- 5. Go to "Setting up BCMA Backup Shortcut" to complete conversion
 - See <u>Setting up BCMA Backup Shortcut</u> to complete the conversion to IRIS

4. New BCBU Workstation Installation Instructions

NOTE: If you are converting a workstation from Cache to IRISHealth, please do not use this chapter. Instead, follow the instructions in chapter <u>Conversion Instructions From</u> <u>Cache to IRISHealth.</u>

This section provides instructions for installing Intersystems IRISHealth on workstations which have never had Intersystems Cache or IRIS installed before. If you are doing an conversion from Cache to IRISHealth, please do not use this chapter and follow the instructions in chapter <u>Conversion Instructions From Cache to IRISHealth</u> instead.

Be sure to complete the steps in the chapter <u>Retrieve and Unzip Files</u> before proceeding with the instructions in this chapter.

4.1. IRISHealth EXE Installation

4.1.1.Run the EXE file as Administrator

1. Right-click the file C:\BCMABU\IRISHealth-2020.1.0.xxx.xxx-win_x64.exe and select "Run as Administrator".

\leftarrow \rightarrow \checkmark \uparrow \square \Rightarrow This PC \Rightarrow (C:) OSDisk \Rightarrow BCMA	ABU >
 Quick access Documents Downloads Pictures REFEL SESS BCBU Desktop new sites piv west laf, danvile indiana cboc OneDrive - Department of Veterans Affairs CLIN 1 PATCH SPREADSHEET (NEW) Desktop Documents DOWNLOAD Favorites Microsoft Teams Chat Files Microsoft Teams Data Pictures quick TEMP 	Abo S
VistA	

Figure 6. Run the EXE file as Administrator

- At this point you will have to select the appropriate etoken account or enter administrator account and password at Windows User Account Control dialog pop up. If the Windows user account being used does not have required administrator privileges to perform this installation then you will need to seek assistance from a privileged workstation administrator.
- 2. At "Instance Name" select "New Instance"
 - At the "Select Instance" dialog box, click on "New Instance" then Click OK.

ct Instance				
Instance Name:			Ň	/ersion:
New Instance				
CACHE			2020.1.	0.215.0
IRISHealth			2020.1.	0.215.0
Location:				
New Instance				
(<u> 7</u> K	Exit		

Figure 7. At "Instance Name" select "New Instance"

3. Accept License Agreement and click "Next"

```
Bar Code Medication Administration (BCMA)
BCMA Backup System (BCBU)
InterSystems IRISHeath Installation Setup
```

🕼 InterSystems IRIS - Installation	\times
License Agreement	าร™
Please read the following license agreement carefully.	
CLICK-THROUGH END USER LICENSE & SERVICES AGREEMENT	^
1. This Click-Through Agreement ("Agreement") is between InterSystems Corporation ("ISC") and the user (hereinafter "you") installing ISC's proprietary software (the "Licensed Software") and/or services ("Services") from ISC. These terms constitute a "default" agreement between you and ISC upon installation of the Licensed Software; this Agreement will govern your use of the Licensed Software in the	~
I accept the terms in the license agreement Print	
○ I <u>d</u> o not accept the terms in the license agreement	
< <u>B</u> ack <u>N</u> ext > Cancel	

Figure 8. Accept License Agreement and click "Next"

4. At "IRIS Instance Name" enter "CACHE"

NOTE: Be sure to change the Instance Name from the default value to CACHE. Failure to do so will result in an improperly configured BCMA BU system which may not work correctly. If this happens, the recommendation is to uninstall IRISHealth and restart the installation from scratch.

5. At the "InterSystems IRIS Instance Name" box, type in "CACHE", then click "Next".

😭 InterSystems IRIS - Installation		×
InterSystems IRIS Instance Name	e	InterSystems **
Multiple copies of InterSystems IRIS can have a unique name. Define a name for	be installed on the same the current InterSystem	e machine, each has to ns IRIS instance.
InterSystems IRIS Instance Name:		_
CACHE		
	< <u>B</u> ack <u>1</u>	Next > Cancel

Figure 9. "IRIS Instance Name" Window

6. "Destination Folder" should Default to "C:\InterSystems\IRISHealth" and click "Next" 7. At "Setup Type" select "Development", then click "Next"



Figure 10. Setup Type Window Selection

- 8. At "Install Unicode Support" select "8-bit" then click "Next".
- 9. At "Initial Security Settings" select "Normal" then click "Next".
- 10. Accept Default Credentials for InterSystems IRIS Service
- **11.**Confirm that the first option is selected: "Run InterSystems IRIS under default SYSTEM account", then click "Next".
- **12.** "IRIS Users Configuration" Password
 - IRIS now requires user/password for Management Portal access. For ease of OIT administration, use the same password with all BCBU workstations.
 - Please store this password in a secure location where OIT staff who administer the workstation will have access to it. If the password is lost, then submit a Service Now ticket to **REDACTED** for instructions on resetting this password.
 - Enter the chosen password in both fields in the "InterSystems IRIS Users configuration" dialog box, then click "Next".

😸 InterSystems IRIS - Installation			×
InterSystems IRIS Users configur	ation		rSystems™ a Platform
Setup will create the following InterSystem SuperUser, www.are.com/O and CSPSystem accounts _SYSTEM, Admin, SuperUser, an	s IRIS accounts f , Please enter an d \	for you: _SYSTEM, Id confirm the comm	Admin, ion password for
Password for InterSystems IRIS accounts	:		
Confirm Password:			
	< Back	Nevts	Cancel

Figure 11. "IRIS Users Configuration" Password

13. "CPSsystem Account" Password

Use the same password as the "IRIS Users Configuration" password from the previous step.

🚼 InterSystems IRIS - Installation	×
InterSystems IRIS Users configu	ration InterSystems [™]
Enter password for CSPSystem account.	
Password for CSPSystem account:	
Confirm Password:	
	< <u>B</u> ack <u>N</u> ext > Cancel

Figure 12. "CPSsystem Account" Password

14. Ready to Install the Program: Click "Install"

🔀 InterSystems IRIS -	Installation			×
Ready to Install the Program				Systems™ Platform
Click License to ente IRIS license key late	r an InterSystems r using the Manage ation ontions:	IRIS license key no ment Portal.	w. You can enter an	InterSystems
Summary of Install	adon opdons.			
Action:	Ne	w Install		
Instance Name:	CA	CHE		
Installation Direc	ctory: C:	(InterSystems\IRIS	Health\	
Installation Type	e: De	velopment		
License Key:	No	t Entered		
	License	< Back	Install	Cancel

Figure 13. Ready to Install the Program: Click "Install"

15. Wait for Install to complete and click "Finish"

• Once installation is complete, click the "Finish" button.

4.2. Stop IRIS application

You need to stop then restart IRIS application in order to configure IRIS for BCMA BCBU.

1. In the Windows Start menu, type "stop InterSystems IRIS [CACHE]"



Figure 14. Windows Start Menu Search

2. On the right, select "Open"



Figure 15. Open IRIS Stop Utility

3. Select Shut Down and Click OK



Figure 16. "Stopping..." Dialog

- 4. Wait for it to stop.
- **5.** In the lower left hand corner of your monitor, the IRIS Tray Icon will be greyed out.



4.3.Copy files to "C:\InterSystems\IRISHealth"

The file iris.cpf already contains most of the setup (namespace, mapping etc). Copy these files to the IRISHealth directory.

Table 2. Copy ".cpf" and ".key" files

Copy This File	To This Directory	
C:\BCMABU\iris.cpf	C:\InterSystems\IRISHealth\	
C:\BCMABU\iris.key	C:\InterSystems\IRISHealth\mgr\	

4.4. Restart IRIS Service

1. In the Windows Start menu, type "start InterSystems IRIS [CACHE]"



2. On the right, select "Open"

Best match		
Start InterSystems IRIS [CACHE] App		8
Apps		Start InterSystems IRIS [CACHE]
Internet Explorer	~	Арр
Microsoft Edge	\$	C Open
Intel® Graphics Command Center	>	C Run as administrator
Stop InterSystems IRIS [CACHE]	>	Den file location
Stop InterSystems IRIS [IRISHealth]	>	Pin to Start
Control Panel	>	TP Pin to taskbar
Search the web		iii Orinistan

Figure 17. Open IRIS Start Utility

4.5. Management Portal Configuration Steps

This section covers Management portal configuration tasks to manage the console, user account, and start up processes.

The IRIS service must be started before you can access the "Management Portal [CACHE]".

1. In the Windows Start menu, open "Management Portal [CACHE]"

IR Management Portal [CACHE]
Management Portal [CACHE]
Management Portal (CACHE)
Арр
Open Run as administrator Open file location Pin to Start Pin to taskbar Uninstall

Figure 18. "Management Portal [CACHE]" In the Windows Start Menu

2. You will be prompted for Username and Password. The user name is "admin" and the password is what you specified in step 5.1.10 "IRIS Users Configuration".

IR				
Instance: IRISHEALTH				
	User Name	admin		
	Password	•••••		
			Login	

Figure 19. IRIS Username and Password Dialog

- InterSystems⁻ Management Portal Home About Help Contact Logout Menu Server Namespace %SYS Switch User UnknownUser. Licensed To VA CIOFO Albany Instance CACHE Welcome, UnknownUser 12 Q View: Search SYSTEM Welcome to the Management Portal 📊 Home INFORMATION General details on this system Favorites Did you know? View System Dashboard Health System Up Time You can choose how to view items by selecting a Go to a favorite page d 23h 23e category and then selecting one of the icons next to View. PRODUCTIONS Analytics There are no productions currently running on this system
- **3.** If you log in successfully, you will see the "Welcome" message screen.

Figure 20. "Welcome" message screen.

4.5.1. Configure IRIS Services

IRIS services control how the BCMA Backup terminal client will interact with the user.

1. Click "Menu" in upper right then select "Manage Services"



Figure 21. View of Menu Options

2. In "Services": click "%Service Console"

System > Security Management >	ven - Secondy Management - Services					
Services						
Services are the prima	anyicas are the primary means by which users and computers connect to InterSystems IPIS. The following convi					
Para cira: 0 May rour:	services are the primary means by which users and computers connect to intersystems into. The following service					
Name	Enabled	Public	Authentication Methods	Allowed Connections	Description	
%Service Bindings	Yes	N/A	Paseword	Unrestricted	Controls SQL or Objects	
%Service CacheDirect	No	Yes	Password	Unrestricted	Controls Cache Direct	
%Service CallIn	No	Yes	Password	Unrestricted	Controls the Call-In Interface	
%Service ComPort	Ne	Yes	Password	Unrestricted	Controls COM ports attached to a Windows system	
<u>%Service Console</u>	Yes	Yes	Unauthenticated	Unrestricted	Controls the Windows Console	
%Service DataCheck	No	N/A		Unrestricted	Controls this system as a DataCheck source	
%Service DocDB	No	No		Unrestricted	Controls Doc DB applications	
%Service ECP	No	N/A		Unrestricted	Controls Enterprise Cache Protocol (ECP)	
%Service Login	Yes	No	Password	Unrestricted	Controls SYSTEM.Security.Login	
%Service Mirror	No	N/A		Unrestricted	Controls Mirroring	
%Service Monitor	No	N/A		Unrestricted	Controls SNMP and remote Monitor commands	
%Service Shadow	No	N/A		Unrestricted	Controls if this system can be the source of a shadow	
%Service Sharding	No	N/A		Unrestricted	Controls this system as a Shard Server	
<u>%Service_Telnet</u>	No	Yes	Password	Unrestricted	Controls Telnet sessions on a Windows server	
%Service WebGateway	Yes	Yes	Password	Unrestricted	Controls Web Gateway access	
<u>%Service Weblink</u>	No	N/A	Unauthenticated	Unrestricted	Controls Weblink	

Figure 22. "%Service Console" Location within Services

3. In "Edit Service": make sure only "Unauthenticated" is selected



Figure 23. "Edit Service" Dialog

4. Click "Save"

4.5.2 Configure IRIS "UnknownUser" User

This configures the IRIS terminal session to prompt for "Access/Verify" code.

• Click "Menu" in upper right then select "Manage Users"



Figure 24. "Manage Users" within Menu

- 1. Click on "UnknownUser"
- This takes you to the "Edit User" screen for user "UnknownUser" which has the Full Name "Unauthenticated user".
- 2. Click "Roles" tab



Figure 25. "Roles" tab in IRIS

3. Select "%All" and click right arrow



Figure 26. "%All" in Dropdown Menu

4. "%All" is now on the right and click "Assign"



Figure 27. Assigning "%All"

5. Observe "%All" is now assigned under "Role Name"

General	Roles	SQL Pri	vileges	SQL T
User UnknownUser is a	assigned to the following roles:			
Role Name	Grant Option			
<u>96All</u>			Remove	
Assign the user to addit	tional roles by selecting one or mo	ore available roles and	pressing [Assign].	

Figure 28. Observe "Role Name"

- 6. Click on "General" tab
- 7. For "Startup Namespace" select "VISTA"
 - See next step for screen shot for this field.
- 8. For "Startup Tag^Routine" enter "^ZU"

S	ystem > Security Management >	Users > Edit User - (security settings)				
	Edit User	Save Profile Cancel				
E	Edit definition for user UnknownUser:					
/	General	Roles SQL P	rivileges SQL			
	Name	UnknownUser Required.				
	Full Name	Unauthenticated user				
	Comment					
	Password	Enter new password Leave as is				
	Change password on next login					
	Password never expires					
	User enabled					
	Account Never Expires					
	Account expiration Date		(yyyy-mm-dd)			
	Startup Namespace	VISTA V				
	Startup Tag^Routine	^ZU]			
	Email Address					
	Mobile Phone Service Provider	Create a new provider				
	Mobile Phone Number]			
	Two-factor Authentication					

Figure 29. "Startup Tag^Routine" Entry

9. Click "Save"



Figure 30. "Save" Button

4.5.3. Import ZSTU into %SYS

The ZSTU routine performs start up tasks when BCBU launches.

NOTE: If the above step is not completed then BCBU will not auto start correctly.

1. Click "Home" to return to the "Welcome" screen

InterSystems IRIS Data Platform Server Namespace	Management Portal	Home About Help Contact Logout	Menu
Welcome, Unk	knownUser	View:	Search Q
Home Welcome to the Management Portal SYSTEM INFORMATION			SYSTEM INFORMATION

Figure 31. "Home" Button Location within IRIS

2. Select "Switch"

InterSystems IRIS Data Platform Server Namespace	Management Portal	Home About Help Contact Logout Licensed To VA CIOFO Albany Instance CACHE	Menu
Welcome, Unk	knownUser	View:	Search Q
Home	Welcome to the	Management Portal	SYSTEM INFORMATION

Figure 32. "Switch" Location within IRIS

3. "Namespace Chooser": Select "%SYS" then click "Ok"

	×
NAMESPACE CHOOSED	
NAMESPACE CHOOSER	
Select a namespace	
Available Namesnares	
%SYS	1
CAP	
HSCUSTOM	
HSLIB	
HSSYS	
USER	
VISTA	
	J
If a namespace exists but is not listed, then you may not hold permission its database may not be mounted.	to view it, or
Cancel	ок

Figure 33. Namespace Chooser Dialog

4. Click "Menu" in upper right and select "View Routines"



Figure 34. "View Routines" Location in Menu

5. Click "Import"



Figure 35. IRIS Tabs: Import Location

6. Browse for file "C:\BCMABU\export.ro" and click "OK"

	>
FILE SELECTION DIALOG	
Select a file from the choices below.	
Look in: C:\BCMABU\	
🧰 stream	
export.ro	
File name:	
C:\BCMABU\export.ro	
File of type:	
Routine Save Files (*.ro;*.rsa;*.rtn;*.mac)	•

Figure 36. Locating Routines

7. "Import Routines": Click "Next"

			×
IMPORT ROUTINES	User Namespace	UnknownUser %SYS	
Import routines to namespace %SYS.			
Enter the path and name of the import file: C.\BCMABU\export.ro			Browse
Character set <- Device Default> Compile imported items Compile flags Cuk			
☐ Run Import in the background (Highly recommended for Importing large files.)			
	Back	Next Import	Cancel

Figure 37. "Import Routines": Click "Next"

8. Click "Import"

	×
IMPORT ROUTINES	User UnknownUser Namespace %SYS
Select items you wish to import.	
Description: routine output by %apiRTN	
✓ Item Exists Last Modified	
ZSTU.INT Yes 2020-10-01 07:54:27.42324	
Total: 1	
	Back Next Import Cancel

Figure 38. Importing Routines

9. Click "Done"

4.5.4. Configure Auto-Start

- 1. Click "Menu" in upper right then "Configure Memory"
- 2. Confirm "Auto-start on System Boot" is checked and click "Save"
- 3. If "Auto-start on System Boot" is not checked, then check it, then click "Save".

ystem > Configuration > Memory and Startup - (configuration settings) Memory and Startup Save Cancel			
System Memory and Startup Settings			
Platform: Window	/s (Intel)		
Configure Memory Settings	Automatically Manually		
Memory Allocated for Routine Cache (MB)	33 Required.		
Memory Allocated for 8KB Database Cache (MB)	695 Required.		
Maximum Per-Process Memory (KB)	262144 Required. (128-2147483647)		
Auto-start on System Boot			
Superserver Port Number	1972 Required.		
System Mode			

Figure 39. "Memory and Startup" Dialog

4. Exit Management Portal

Bar Code Medication Administration (BCMA) BCMA Backup System (BCBU) InterSystems IRISHeath Installation Setup **5.** Click the "Logout" button or close the browser window.

4.6. Stop and Restart IRIS Service

1. In the Windows Start menu, type "stop InterSystems IRIS [CACHE]"



2. Select "Open"

All Apps Documents Web More 🕶	₽ …
Best match Stop InterSystems IRIS [CACHE] App	
Search the web Stop InterSystems IRIS [CACHE] - See web results	Stop InterSystems IRIS [CACHE] App
	Open Come Qpen file location Pin to Start Pin to taskbar Uninstall

Figure 40. Open Stop IRIS Utility

3. Select "Restart" and Click "OK"



Figure 41. IRIS Shutdown/Restart Dialog

5. Setting up BCMA Backup Shortcut

In this section you will create the desktop shortcut to the BCMA Backup software.

1. Delete existing BCMA Backup Icon

NOTE: This step should only be performed on workstations which did a conversion from Cache to IRISHealth.

Workstations which did a new installation of IRISHealth should skip this step.

Delete the existing "BCMA Backup" icon on the workstation desktop. This icon only works with Cache and will not work with the IRISHealth software and so should be deleted.

2. Create shortcut on desktop

To create the shortcut, right click anywhere on the desktop and select "New/Shortcut".

⊻iew > Sort by > Refresh	
Paste shortcut	
Ne <u>w</u> >	<u> </u>
Display settings	Shortcut
🗾 Pe <u>r</u> sonalize	Microsoft Access Database
	🝙 Bitmap image
	Microsoft Word Document

Figure 42. Creating New Shortcut

- 3. Enter path to shortcut location
- In the "Type the location of the item" dialog box, the correct location will depend upon whether the workstation was converted from Cache to IRISHealth, or if it was a brand new BCBU IRISHealth installation. Please select the correct location from the table below.

	Table 3.	BCMA	Backup	Shortcut	Path/Location
--	----------	------	--------	----------	---------------

Workstation Installation Type	Location/Path
Converted Cache to IRISHealth	C:\InterSystems\cache\bin\Iristerm.exe /console=cn_ap:cache[VISTA]
New BCBU IRISHealth installation	C:\InterSystems\IRISHealth\bin\Iristerm.exe /console=cn_ap:cache[VISTA]

		×
\leftarrow		
	What item would you like to create a shortcut for?	
	This wizard helps you to create shortcuts to local or network programs, files, folders, computers, or Internet addresses.	
	Type the location of the item:	
	C:\InterSystems\IRISHealth\bin\Iristerm.exe /console=cn_ap:cache[VISTA] Browse	
	Click Next to continue.	
	<u>N</u> ext Cance	I

Figure 43. Entering path to shortcut location

- 4. Then click the "Next" button.
- **5.** Enter shortcut name
 - When prompted, enter a name that will be displayed with the shortcut. A suggested name is "BCMA BACKUP" but sites can use any name they choose.

		Х
~	R Create Shortcut	
	What would you like to name the shortcut?	
	Type a name for this shortcut:	
	BCMA BACKUP	
	Click Finish to create the shortcut.	
	<u>E</u> inish Cancel	

Figure 44. Entering shortcut name

- **6.** Then click the "Finish" button.
- 7. Change BCBU icon
 - Click the right mouse button on the new icon, then select "Properties"



Figure 45. Right click Location of "Properties"

8. Click "Change Icon"

🖳 ВСМА ВАСК	JP Properties	×		
Security	Details	Previous Versions		
General	Shortcut	Compatibility		
Target type:	MA BACKUP			
Target location:	bin			
<u>T</u> arget:	h\bin\lristerm.exe /conso	le=cn_ap:cache[VISTA]		
<u>S</u> tart in:	C:\InterSystems\IRISHea	alth\bin		
Shortcut key:	None			
<u>R</u> un:	Normal window	~		
Comment:				
Open <u>File Location</u> <u>Change Icon</u> <u>Advanced</u>				
	ОК	Cancel		

Figure 46. "Change Icon" Button

9. Select "C:\BCMABU\bcma.ico" or sites may choose their own icon. Included icons are "bcma.ico" and "cube.ico" (old Cache), then click OK

Bar Code Medication Administration (BCMA) BCMA Backup System (BCBU) InterSystems IRISHeath Installation Setup

Change lcon	×
Look for icons in this file:	
C:\BCMABU\bcma.ico	Browse
Select an icon from the list below:	
® ®	
<	>
ОК	Cancel

Figure 47. Selecting icon

10. Click Apply and then OK

📱 BCMA BACKUP Properties X			
Security	Details	Previous Versions	
General	Shortcut	Compatibility	
BCM BCM	A BACKUP		
Target type: A	pplication		
Target location: b	in		
<u>T</u> arget:	\bin\lristerm.exe /conso	e=cn_ap:cache[VISTA]	
<u>S</u> tart in:	C:\InterSystems\IRISHea	lth\bin	
Shortcut <u>k</u> ey:	Vone		
<u>R</u> un:	Normal window	~	
Comment:			
Open <u>Fi</u> le Loc	ation <u>C</u> hange Icon	A <u>d</u> vanced	
OK Cancel Apply			

Figure 48. Accepting Changes

11. If you used the "bcma.ico" icon provided with the ZIP file, it will look like this on the desktop:



- 12. Copy shortcut BCBU icon to "All User" desktop
 - Double-Click the BCBU shortcut icon to enter the Backup system on the PC Workstation. Use the appropriate access and verify code to access the system.



Figure 49. After Double-Clicking the BCBU shortcut icon

13.Workstation setup is complete

This completes the setup of InterSystems IRISHealth on the BCBU contingency workstation. Refer to the "BCMA V.3.0 Backup System (BCBU) Version 3 Installation Guide" to complete the VistA side of the package setup.

6. BCBU Printer Set Up

6.1.Connect the printer to the workstation

6.2.Install the Windows printer drivers. Use Generic Drivers (Recommended)

Some workstations may work correctly with the model specific printer driver. If printing still does not work, then this is often fixed by changing the printer driver to "Generic / Text Only".

6.3. Rename Windows printer to BCBU PRINTER

• The Windows printer name should be renamed to "BCBU PRINTER" (case sensitive) in order to match the name of the printer defined within the BCBU application.

7. Initialize new BCBU with user and patient data

On a new BCBU system installation, the BCBU database is not populated with patients or users. It must be initialized with this information from the site's VistA system before patient data is available and users can access the new BCBU system. The tasks for initializing a new BCBU system are described in detail in the "BCMA V.3.0 Backup System (BCBU) Version 3 Installation Guide" section "Sample PC Workstation Database Initialization". This document can be found in the VistA Virtual Documentation Library at REDACTED

As an overview, initializing a new system consists of performing the following tasks on the site's VistA system. You may need to contact your VistA support personnel for assistance.

Task	VistA Option	Purpose
1. Configure the HL7 logical links	Link Edit [HL EDIT LOGICAL LINKS]	Defines the IP address or DNS name of the BCBU workstation
2. Associate the HL7 logical link to VistA BCBU application	Associate Backup Workstations with a Division [PSB BCBU LINK ASSOCIATIONS]	Associates the HL7 logical link as a subscriber to the VistA BCMA Backup software so the workstation will receive BCMA HL7 messages from VistA
3. Run workstation initialization to populate patient data	Depending upon your site's configuration, run ONE of the following options: Default Workstation Initialize [PSB BCBU INIT WRKSTN DFT] OR	Sends current patient demographics and Inpatient Pharmacy orders to the BCBU workstations
	Divisional Workstation Initialize [PSB BCBU INIT WRKSTN DIV	
4. Run the VistA user initialization to populate users' access/verify codes:	Initialize a Backup Workstation with BCMA User [PSB BCBU USER INIT]	Sends all BCMA authorized users' access/verify code information to the BCBU workstations

Table 4 New BCBU Workstation Initialization Tasks

Initialization options 3 and 4 are under menu option BCMA Backup System (Vista) [PSB BCBU VISTA MAIN]. Vista SECURITY KEY assignment of PSB BUMGR is required.

Select OPTION NAME: PSB BCBU VISTA MAIN BCMA Backup System (Vista)

LNK Associate Backup Workstations with a Division

- DFT Default Workstation Initialize
- DIV Divisional Workstation Initialize
- USR Initialize a Backup Workstation with BCMA Users
- PAT Single Patient Init

APPENDIX

Appendix A. Apache Security Updates

InterSystems IRISHealth runs the Apache server software which must be regularly patched according to OIT security policies. Local IT services must manually install the patches on BCMA Backup workstations. Workstations which are not patched will be flagged during CRISP reviews. These patches will be distributed by OIT Infrastructure Operations and OIT may send out Action Items to direct sites when updates are available.

Required updates should be installed on any workstations running InterSystems IRISHealth.

A.1 Apache Patch Information

The Apache Security Updates may be found in the location below. This location will be regularly maintained with the latest security updates.

Security Patch Location:	REDACTED
Installation Script Name:	REDACTED
Installation Permissions:	REDACTED
Service Now Group:	REDACTED

A.2 Example Workstation Installation

This is a example of the output when running the Apache patch installation on a workstation. **REDACTED**