



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS USER SECURITY AUDIT

(BUSA)

Installation Guide and Release Notes

Version 1.0 September 2014

Office of Information Technology Division of Information Technology Albuquerque, New Mexico

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Preface

The purpose of this manual is to provide the user with the information required to install the IHS USER SECURITY AUDIT (BUSA) package.

1.0 Release Notes

The new BUSA package is a utility which enables user activity to be tracked. As a requirement for Meaningful Use (MU) stage two certification, all activity relating to patient data querying, adding, editing, copying, deleting, and printing must be logged.

The BUSA package also contains a web-enabled reporting interface which permits this logged data to be filtered, sorted and displayed.

2.0 Installation Notes

Prefix: BUSA

Current Version: 1.0

Note: Read entire notes file prior to attempting any installation

- All patches to Version 1.0 will be cumulative
- 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

File	Description
busa0100.k	KIDS file
busa010i.pdf	Installation Guide and Release notes
busa010u.pdf	User Manual
busa010t.pdf	Technical Manual

2.2 Required Resources

Module/Software	Minimum Version
InterSystems Ensemble	v2012.2.0 or later
VA FileMan (DI)	v22.0 Patch 1003 or later
VA Kernel (XU)	v8.0 Patch 1015 or later
BMW.dat	v1.0 Patch 2 or later

2.3 Before You Begin: Installation Issues

2.3.1 BMW v1.0 Patch 2 Installation Verification

As noted in Section 2.2, to install the new BUSA application, the BMW v1.0 Patch 2 must be installed. As part of the BMW installation process, the BMW global must be properly mapped in the RPMS environment or the installation of the BUSA application will not be permitted to continue. For directions on how to map the BMW global, please see Appendix C of the *Practice Management Application Suite Version 1.0 Patch 2 Installation Guide and Release Notes*.

2.3.2 BUSA Reporting Tool – Authorized Users

During the installation process, the installer will be prompted to enter a list of users who are approved to use the reporting tool included with this package. This list of approved users should therefore be developed prior to installing this package. Also, since this reporting tool shows patient related activity, care should be taken to only provide access to the appropriate users.

2.3.3 BUSA Package – Central Processing Unit (CPU) Capacity

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

2.3.4 BUSA Package – Disk Usage

Since the BUSA application will log all user patient related activity, it will be a very large consumer of disk space. A detailed plan should therefore be developed to account for this need. See the installation configuration section for more information on mapping the BUSA storage globals in their own Cache '.dat' file(s).

3.0 Installation Instructions

3.1 Pre-KIDS Installation Setup Configuration

As noted in Section 2.3.4, the BUSAD and BUSAS globals should be placed in their own CACHE.DAT database file due to storage considerations. The following instructions show how to create a database and map these globals to that database. These instructions show the procedures for Ensemble 2012. Previous versions use the same procedures, but the screen displays will be different.

NOTE: These instructions should be performed before installing the initial BUSA patch. If this was not done then please check with support for instructions on how to copy this data to the new database after it has been setup.

3.1.1 Prerequisites

Before creating the database, locate a directory path on your server where there is sufficient storage available for the new database. Make sure that this directory path is included in your site's backup procedures so that this database backed up on a regular basis. For the examples below, we will use I:\E2012\BUSAGOLD4 as the directory path name.

Also, select a name for the new database, preferably one that includes "BUSA" and the RPMS namespace/database name that it is associated with. For the examples below, the original RPMS namespace and database name is GOLD4, so the database name to be used is BUSAGOLD4.

3.1.2 Create a Database

1. Navigate to the Ensemble Management Portal by selecting it from your list of Favorites in Internet Explorer, from a saved desktop icon, or by right-clicking the Ensemble Cube in your Windows System Tray and selecting **Management Portal**.

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Figure 3-1: Navigate to the System Portal Page

2. Enter your username and password and click **LOGIN**.

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	Please select one of the categories on the left or one of the option	s below	System Up Time
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	Ou to a lavolite page	You can view the portal in a different language by clicking on the About link at the top of the	Ensemble Productions
0		page and changing the preferred language.	Productions running on this system
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			AGMPIGOLD1 Suspended
System Operation			View details
	Recent	Links	AGMPI.PatientRegistration in AGMPITEST1
	Go to a recently viewed page	Pages you may be interested in	Suspended View details
System Explorer	Routine Mappings 🔀	Documentation	AGMPI.PatientRegistration in
	Package Mappings 💥	Support	AGMPIXXX Running
System Administration	Namespaces X	Developer Connection	View details
	Users 🔀		BJMD.Prod.Production in C32GOLD1
			Running View details
			BJMD.Prod.Production in
			C32G0LD2 Running
			View details
			BJMD.Prod.Production in C32TEST4
			Stopped View details
			BCCD.Prod.Production in
			CCDAGOLD4 Running
			View details
			Rx.Prod.Production in

Figure 3-2: Main Management Portal Page

3. Click **System Administration** then **Configuration** and then **System Configuration**.

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00	http://localhost:57775/cs	sp/sys/UtilHome.csp?CSPCHD=000000010000312qgkXumu000	0x3gDmC\$l7dXb07h7m8x0Zw	💌 🗟 🐓 🗙	Ive Search
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View:			Search:		Management Portal
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	Home	Security »	Connectivity »	Namespaces	View System Dashhoard
		Licensing »	Mirror Settings »	Local Databases	System Up Time
	DeepSee	Encryption »	Database Backup »	Remote Databases	15d 21h 49m
			CSP Gateway Management	Journal Settings	Ensemble Productions
1	Constants.		SQL and Object Settings »		Productions running on this system
0	Ensemble		Device Settings »		AGMPI.PatientRegistration in
			National Language Settings »		AGMPIGOLD1 Suspended
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Figure 3-3: Navigate to **Configuration**, **System Configuration**, **Local Databases**

4. Click Local Databases (You may also need to click a GO button, if prompted.)

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00	🗢 🕼 http	://localhost:57775/csp/sys/mgr/UtilSysD	atabases.csp	?Recent=1							• 🗟 🐓	× 💽	ive Search			P-	
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-	CACHELIB	h:\intersystems\e3ihs\mgr\cachelib\	324	Mounted/R	%DB_CACHELIB	No	No	Edit	-	Globals							
-	CACHETEMP	h:\intersystems\e3ihs\mgr\cachetemp\	1095	Mounted/RVV	%DB_CACHETEMP	No	No	Edit	-	Globals							
_	CACHE	h:\intersystems\e3ihs\ingr\cache\	31	Mounted/RVV	%DB_CACHE	No	No	Edit	-	Globals							
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	BM/VGOLD2	k:\ensemble\e2012\bmwgold2\	4817	Mounted/RVV	%DB_%DEFAULT	No	No	Edit	Delete	Globals							
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	BM/VTEST1	k:\ensemble\e2012\bmwtest1\	4817	Mounted/RVV	%DB_%DEFAULT	No	No	Edit	<u>Delete</u>	Globals							
	BM/VTEST4	k:\ensemble\e2012\bmwtest4\	3384	Mounted/RVV	%DB_%DEFAULT	No	No	Edit	Delete	Globals							
	C32GOLD1	j:\ensemble\e3ihs-c32gold1\	1175	Mounted/RVV	%DB_%DEFAULT	No	No	Edit	Delete	Globals							
ŀ	C32GOLD2	j:\ensemble\e3ihs-c32gold2\	162	Mounted/RVV	%DB_%DEFAULT	No	No	Edit	<u>Delete</u>	Globals							
-	C32TEST4	j:\ensemble\e3ihs-c32test4\	144	Mounted/RVV	%DB_%DEFAULT	No	Yes	Edit	Delete	Globals							
	CCDAGOLD1	k:\ensemble\e2012\ccdagold1\	102	Mounted/RVV	%DB_%DEFAULT	No	Yes	Edit	<u>Delete</u>	Globals							
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Figure 3-4: Sample Local Database Definitions Page

5. Click Create New Database.

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Database Wizard				
${\sf T}$ his wizard will help you create a r	new database.			
E. C. Marine Complete Later	0			
Enter the name of your database:	<u> </u>			
Database directory:			Browse	
	(Base directory is empty	. Please enter one or 'Bi	rowse' to select one.)	
< B	ack Next >	Finish Cancel		
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Figure 3-5: New Database Wizard

6. Enter the name of your database and either directly enter or browse for the directory (both items were described in the previous section).

atabase Wizard - Windows Inter	net Explorer	
Database Wizard		
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inter the name of your database	e BUSAGOLDA	
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	(Base directory is empty. Please enter one or Brow	se' to select one.)
	Back Next > Finish Cancel	
220		(

Figure 3-6: Sample New Database Settings

7. Click Next.

🖉 Database Wizard - Windows Internet Explorer
Database Wizard
Enter details about the database.
How big do you want the initial database to be? Initial Size (MB): 10
Block size is the size of the blocks that the databases uses. Block size for this database will be: 8KB
Do you wish to journal globals in this database? Journal globals: Yes 💌
You may create an Encrypted Database if Encryption is activated. Encrypt Database? 🔲 (Encryption is not activated)
<pre>< Back Next > Finish Cancel</pre>
Done

Figure 3-7: Additional Database Settings

- 8. Set the Initial Size to at least 10 (as shown). Larger sites with significant numbers of patients and visits may want to start with 100 or more.
- 9. Click **Finish**. The new database should be visible in the list.

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AGM	#900X	h Witersystem/w3hs/ngr/agriptics/	11	MountedRVV	SCO_SOFFALLT	No	No	£dt.	Delete	Globals		
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		(Next page)										
		(Nextpage)	1									

Figure 3-8: Database Listing Showing New Database

10. This completes the steps for creating a database.

3.1.3 Map the BUSA Globals to the New Database

1. Continuing from the previous section, click **Home** to return to the Home Page.

🖉 E3IH5 - Home - Windows Internet Explorer			
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1 E3IHS - Home		👌 • 🔊 ·	📑 🖶 🔹 Page 🔹 Safety 👻 Tools 🔹 🕢 🔹
Menu Home About Help Logout			Ensemble
Welcome, khalfpen	User: khalfpen Licensed to: Vangent, Inc. In	stance: E3IHS	by InterSystems
View:	Search:	Ma	nagement Portal
			System Information
Home	Welcome to the Managemen	t Portal	General details on this system
	Please select one of the categories on the left or one of the options	s below	View System Dashboard
	Favorites	Did you know?	15d 21h 47m
Deepuee	Go to a favorite page	You can view the portal in a different languag	Ensemble Productions
		page and changing the preferred language.	Productions running on this
Ensemble			system
~			AGMPI.PatientRegistration in AGMPIGOLD1
			Suspended View details
System Operation			AGMPI.PatientRegistration in
	Recent Go to a recently viewed page	Links Pages you may be interested in	AGMPITEST1 Suspended
System Explorer	Local Databases 💥	Samples	View details
	Routine Mappings 🔀	Documentation Support InterSystems	AGMPI.PatientRegistration in AGMPIXXX
	Global Mappings 🔀		Running
System Administration	Namespaces 🗙	Developer Connection	BJMD.Prod.Production in
	Users 🗶		C32GOLD1
			View details
			BJMD.Prod.Production in
			Running
			View details
			C32TEST4
			Stopped View details
			BCCD.Prod.Production in
			CCDAGOLD4 Running
			View details
			Rx.Prod.Production in

Figure 3-9: View of the Management Portal Main Page

2. Click **System Administration** then **Configuration** and then **System Configuration**.

E3IHS	- Home	e - Windows Internet Explorer				
00	-	http://localhost:57775/csp/sys/UtilHome.csp?	CSPCHD=000000010000312qgkXumu0000x34	gDmC\$I7dXb07h7m8x0Zw	• 🗟 🐓 >	K 📴 Live Search
Eile Edi	t <u>V</u> iew	v F <u>a</u> vorites <u>T</u> ools <u>H</u> elp				
🚖 Favori	tes 💡	👙 🌄 Suggested Sites 🔹 🙋 Web Slice Galler	γ •			
🚖 E3IH5	- Home					🟠 + 🔝 - 🖃 🖶 + Page + Safety + Tools + 🔞 +
Men	U	Home About Help Logout		_		Ensemble
Wel	come	, khalfpen	Server: WDEMMIHSDBDU User: khalfpen	1 Namespace: %SYS_Switch Licensed to: Vangent, Inc. Instance: E3	BIHS	by InterSystems
View:				Search:		Management Portal
			Configuration »	System Configuration »	Memory and Startup	System Information
		Home	Security »	Connectivity »	Namespaces	View System Dashboard
	-		Licensing »	Mirror Settings »	Local Databases	System Up Time
		DeepSee	Encryption »	Database Backup »	Remote Databases	15d 21h 49m
				CSP Gateway Management	Journal Settings	Ensemble Productions
				SQL and Object Settings »		Productions running on this system
C		Ensemple		Device Settings »		AGMPI.PatientRegistration in
				National Language Settings »		AGMPIGOLD1 Suspended
		System Operation		Zen Reports »		View details
				Additional Settings »		AGMPI.PatientRegistration in AGMPITEST1
		Suctem Explorer				Suspended View details
		System Explorer				AGMPI.PatientRegistration in
						Running
		System Administration				View details
						C32GOLD1
						View details
						BJMD.Prod.Production in
						Running
						View details B IMD Prod Production in
						C32TEST4
						View details
						BCCD.Prod.Production in CCDAGOLD4
						Running View details
						Rx.Prod.Production in
						🇞 🍕 Local intranet 🛛 🖓 🔹 🔍 100% 🔹 //

Figure 3-10: Selecting Configuration, System Configuration, Namespaces

3. Click **Namespaces** (You may also need to click a **GO** button, if prompted.)

🕽 🗢 🚺 http	://localhost:577	75/csp/sys/mgr/l	UtilSysNamespaces	.csp?R	ecent=1					- 🗟 🍫	🗙 🔯 Live Search	
dit View Fa	vorites Tools	Help										
rites 🗠 🚺	Suggested Site	es 👻 🖉 Web S	ilice Gallery 🔻									
esnares		-									A • ■ - ■ +	Page + Safety + Tools
au Hor	me LAbout I He	In LL ocout	System > Cor	figura	tion > Namesnare	20					<u> </u>	
	no prio di fino	ip [cogoar	oyotom · oor	ngara	Server: VDENMIH	ISDBD01 Names	pace: %SYS					Ensemble
mespaces					User: khalfpen	Licens	ed to: Vangent, Inc.	Instan	ice:E3IHS			by InterSystems
eate New Nai	mespace											
irrent Names	snaces and t	heir default r	tatabases for r	ilohal	s and routines:			Last up	odate: 2013-07-12 14:46:3	37.810 🗖 Auto		
anone reamo.	spaces and t	non acroaice	aatabases tot g	nobul	o ana roadineo.							
Filter:		Page size: 20	ttems found:	32	Page	< << <mark>1</mark> 2 » » 0	f 2					
Namespace	Globals	Routines	Temp Storage						1			
%SYS	CACHESYS	CACHESYS	CACHETEMP		Global Mappings	Routine Mappings	Package Mappings	-	-			
AGMPIGOLD1	AGMPIGOLD1	AGMPIGOLD1	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	-			
AGMPIGOLD2	AGMPIGOLD2	AGMPIGOLD2	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	-			
AGMPITEST1	AGMPITEST1	AGMPITEST1	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	-			
AGMPIXXX	AGMPIXXX	AGMPIXXX	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	-			
BM/VGOLD1	BM/VGOLD1	BM/VGOLD1	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	-			
BM/VGOLD2	BM/VGOLD2	BM/VGOLD2	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	_			
BM/VGOLD4	BM/VGOLD4	BM/VGOLD4	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	_			
BM/VTEST1	BM/VTEST1	BM/VTEST1	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	-			
BM/VTEST4	BM/VTEST4	BM/VTEST4	CACHETEMP	<u>Edit</u>	Global Mappings	Routine Mappings	Package Mappings	Delete	_			
C32GOLD1	C32GOLD1	C32GOLD1	CACHETEMP	Edit	<u>Global Mappings</u>	Routine Mappings	Package Mappings	Delete				
C32GOLD2	C32GOLD2	C32GOLD2	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete				
C32TEST4	C32TEST4	C32TEST4	CACHETEMP	<u>Edit</u>	<u>Global Mappings</u>	Routine Mappings	Package Mappings	<u>Delete</u>				
CCDAGOLD1	CCDAGOLD1	CCDAGOLD1	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete				
CCDAGOLD4	CCDAGOLD4	CCDAGOLD4	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete				
CCDATEST4	CCDATEST4	CCDATEST4	CACHETEMP	Edit	<u>Global Mappings</u>	Routine Mappings	Package Mappings	Delete				
DOCBOOK	DOCBOOK	DOCBOOK	CACHETEMP	Edit	<u>Global Mappings</u>	Routine Mappings	Package Mappings	Delete	_			
EDRTEST1	EDRTEST1	EDRTEST1	CACHETEMP	Edit	<u>Global Mappings</u>	Routine Mappings	Package Mappings	Delete	_			
ENSDEMO	ENSDEMO	ENSDEMO	CACHETEMP	Edit	<u>Global Mappings</u>	Routine Mappings	Package Mappings	Delete	_			
ENSEMBLE	ENSEMBLE	ENSEMBLE	CACHETEMP	Edit	Global Mappings	Routine Mappings	Package Mappings	Delete	_			
	[Next page]											
									_			

Figure 3-11: Sample Display of Defined Namespaces

4. Locate your main RPMS namespace. (You may have to click **Next Page** at the bottom to see additional pages of namespaces.) When you have located it, click **Global Mappings** on that line.

🖉 Global Mappings - Windows Internet Explorer				_ 8
	.UI.Portal.Mappings.cls?MapType=Gbl&\$ID1=GOLD4&\$ID2=1	▼ 🗟 🐓 🗙	Ive Search	P
File Edit View Favorites Tools Help				
🏱 Favorites 🛛 🤮 🚺 Suggested Sites 🔹 🖉 Web Slice Galle	ry •			
Clobal Mannings			🔪 🔹 🖾 👻 🖃 📥 🔹 Pani	• • Safety • Tools • 🙆 •
Menu Home About Help Logout Syste	em > Configuration > Namespaces > Global Mappings			Ensemble
Global Mannings	Server, VDENMIHSDBDUT Namespace, WSYS	EBILLE		by InterSystems
ciobal mappingo	Cool. Kitaipen Eltenosato, Valgent, inc. Instante.	Loino		
New Global Mapping Save Changes	Cancel Changes			
The global mappings for namespace GOL	D4 are displayed below:			
Global	Subscript	Database		
%Z		GOLD4	Edit	Delete
%ZIB		GOLD4	Edit	Delete
%ZIS		GOLD4	Edit	Delete
%ZISL		GOLD4	Edit	Delete
%ZOSF		GOLD4	Edit	Delete
%ZRTL		GOLD4	Edit	Delete
%ZTER		GOLD4NJ	Edit	Delete
%ZTSCH		GOLD4NJ	Edit	Delete
%ZTSK		GOLD4NJ	Edit	Delete
%ZUA		GOLD4	Edit	Delete
%z*		GOLD4	Edit	Delete
ABMDTMP		GOLD4NJ	Edit	Delete
ACPTEMP		GOLD4NJ	Edit	Delete
AGSSTEMP		GOLD4NJ	Edit	Delete
AGSSTMP1		GOLD4NJ	Edit	Delete
AGSTEMP		GOLD4NJ	Edit	Delete
AGTMP		GOLD4NJ	Edit	Delete
APCHTMP		GOLD4NJ	Edit	Delete
ATXTMP		GOLD4NJ	Edit	Delete
AUMDDTMP		GOLD4NJ	Edit	Delete
AUMDOTMP		GOLD4NJ	Edit	Delete
AUTTEMP		GOLD4NJ	Edit	Delete
BARTMP		GOLD4NJ	Edit	Delete
BCCD.Audit.*		CCDAGOLD4	Edit	Delete
BCCD.Xfer.*		CCDAGOLD4	Edit	Delete
BDMTMP		GOLD4NJ	Edit	Delete
BDWBLOG		GOLD4NJ	Edit	Delete
BDWTMP		GOLD4NJ	Edit	Delete
BGOTEMP		GOLD4NJ	Edit	Delete
BGOTMP		GOLD4NJ	Edit	Delete
BGPELDBA		GOLD4NJ	Edit	Delete
BGPELDBE		GOLD4NJ	Edit	Delete
BGPELDCA		GOLD4NJ	Edit	Delete
BGPELDCE		GOLD4NJ	Edit	Delete
BGPELDPA		GOLD4NJ	Edit	Delete
n://localbost/57775/csp/sys/mgr/%25CSP_UI_Portal_Mannings_c	-ic?ManTyne=Gbl&\$TD1=GOLD4&\$TD2=1.#		🕵 💟 Local intranet	Va • 🔍 100% •

Figure 3-12: Sample Global Mappings page

- 5. Scroll down and make sure that there are no items currently listed in the Global column that begin with BUSA. If there are, then please check with support before proceeding.
- 6. Click New Global Mapping.

Ø	ilobal Mapping - Windows Internet Explorer 📃 🗖	×
	Global Mapping	
	Map a new global in namespace GOLD4:	
	Global database location: Select One 💌	
	Global name:	
	Global subscripts to be mapped:	
	Subscript reference must begin with an open parenthesis. Click here to see examples.	
	Advanced	
	Apply OK Close	

Figure 3-13: Global Mapping Wizard

- 7. In the **Global database location** drop-down box, select the database created in the previous section.
- 8. In the **Global name** box, type **BUSAD**.

Global Mapping - Windows Internet Explorer	×
Global Mapping	
Map a new global in namespace GOLD4:	
Global database location: BUSAGOLD4 💌	
Global name: BUSAD	
Global subscripts to be mapped:	
Subscript reference must begin with an open parenthesis. Click here to see examples.	
Advanced	
Apply OK Close	
	Global Mapping - Windows Internet Explorer Global Mapping Map a new global in namespace GOLD4: Global database location: BUSAGOLD4 Global name: BUSAD Global subscripts to be mapped: Subscript reference must begin with an open parenthesis. Click here to see examples. Advanced Apply OK Close

Figure 3-14: Sample Global Mappings Settings

9. Click Apply. (Note that the changes have not yet been saved.)

Installation Instructions

10. Change the Global name to **BUSAS**.

Ø	Global Mapping - Windows Internet I	Explorer 📃 🗖 🗙
	Global Mapping	
	Map a new global in namesp	ace GOLD4:
	Global database location:	BUSAGOLD4 -
	Global name:	BUSAS
	Global subscripts to be mapped:	
		Subscript reference must begin with an open parenthesis. Click here to see examples.
	Advanced	
		Apply OK Close

Figure 3-15: Sample Global Mappings Settings - changing the Global name

11. Click **OK**. (Note that the changes have not yet been saved.)

🔊 🕤 💌 🚱 http://focahost.57	7752-sp/end/mg/%-25-C9	All Portal Mappings driftlight participations	0.0446302~1	• 8 4 ×	a the Search	
ie Edit View Fgrantes Jack	i the					
Fevorites 🙀 🚺 Supported Si	taa 🔹 😰 Wata Silca Gali	ey •				
Global Mappings				9	・回・□ ●・	age • ≦afety • Tgols
Menu Home (About) H	eto Logoul Sys	ism + Configuration + Namespalars + Olot	bal Mappings			Ensemble
Global Mappings	(User: khalfpen	Namespace %SYS Licensed to: Vangent, Inc. Instance E3BIS			by the System
New Global Mapping	Save Changes	Cancel Changes				
hem(s) changed. Click Save	Changes' to save into	the Configuration file or 'Cancel Changes	s'to discard			
The global mappings for	namespace GOL	D4 are displayed below				
Global		Subscript		Database		
%Z				00LD4	Pat .	Delete
9,28				OOLD4	ErR	Delete
\$23				00LD4	E-R	Delete
%ZISL				GOLD4	E-M	Deliefe
%206F				00LD4	E-R	Delete
%ZRTL				00LD4	Edit	Deteta
%ZTER				GOLDANJ	Dat	Delete
%ZTSCH				GOLD4NJ	64	Delete
%ZTEK				OOLDANJ	5.8	Delate
%ZUA				GOLD4	Exe	Detela
50				GOLD4	ER	Delete
ABMOTMP				OOLD4NJ	Evit	Delete
ACPTEMP				GOLDANJ	Dat	Delete
AGSSTEMP				GOLDANU	Eat	Delata
AGESTMP1				00LD4NJ	6.0	Delate
AOSTEMP				OCLDANU	Cox.	Defete
AGTMP				GOLDANJ	14	Delete
APCHTMP				OOLD4NJ	Edit	Delete
ATXTMP				OOLDANU	Diff	Delete
AUMDOTMP				GOLDANU	Edit	Detate
AUMDOTMP				00LD4NJ	Ere	Delete
AUTTEMP				GOLDANU	C-M	Detette
BARTMP				GOLDANU	Ditt	Delete
BCCD Audit*				CCDAGOLD4	Eck	Delete
BCCD3der.*				CCDA00LD4	E-M	Detete
BOMTMP				GOLD4NJ	5.00	Detete
BDWBL00				OOLD4NJ	Cold.	Dwiete
BOWTMP				OOLDANJ	5-M	Cuinte
BOOTEMP				OOLDANU	Est.	Detete
BOOTMP				GOLD4NJ	[at	Delete
BOPELDBA				OOLD4NJ	E.B.	Celete
BOPELDBE				OOLDANJ	518	Celete
BOPELDCA				GOLDANU	E III	Delete
BOPELDCE				OOLD4NJ	E.H.	Celeta
Bride L Bridge de Ma						

Figure 3-16: Global Mappings Display - Save Changes Step

12. Click **Save Changes**. The new mappings should be visible in the list. (You may need to scroll down to locate them. See Figure 3-17 for display of new mappings.)

A Care June The dear STERING Inclusion (CASE) I food Streams de Barbar Other Land Streams	• Q4	I a Barne fearth		p .
				(Secto
Forester				
dichal Manners		Q + (1) + (1) (m) + Page	• Salety • Tor	a
BOOLNS	00CD4NJ	100	Contra	
BOPELDBA	OOLDANJ	6.0	Deleta	-
BOPELDBE	GOLDANU	D.M.	Delete	
BOPELDCA	OOLDANJ	64	Delete	
BOPELDCE	OCLDANJ	Edit	Detete	
BOPELDPA	GOLDENU	Lot.	Delete	
BOPELOPE	GOLDANJ	6.0	Delete	
BOPOPDBA	GOLDANU	t in	Delete	
BOPOPDCA	GOLDANJ	Even.	Delete	
BOPOPDCE	GOLDANJ	14	Delete	
BOPOPDEBE	OOLDANJ	Ertt	Detete	
BOPOPOEPE	GOLDANU	E.el	Delete	
BOPOPDPA	DOLD ANJ	Diff.	Delete	
BOPOPOPE	00LD4NJ	64	Delete	
BOPOLI	OCL DANS	1.0	Delete	
BOPHEDBA	GOLDANI	Tell.	Deleta	
BOPHEDBE	OCED ANI	E.a.	Detete	
BOPHEDCA	OCEDANI	Est.	Delete	
BOPHEDCE	GOLD ANI	D.B.	Delete	
BOPHEDPA	000 DANI	64	Delete	
BOPHEOPE	000 DEN1	full	Calific .	
DOPTWP	GOLD BALL	1.4	Delete	_
BOPYPA	00(DeN)	14	Delete	
DOP/RE	000 0401	5.0	Delete	
DOLUME DOLUME	000 0401	1.0	Contraction Inc.	
Bui EDD	000040	E.C.	Delete	
BITEMP	0000440	1.0	Conte	
DTMP	OCEDING OCEDING	0.0	Contra	
DWOTND	0000000	Lon.	Delete	
EMAN INF	ENERGY OF	1.4	Delete	
DARTEND	000 0000	08	Contra	
DIACTER	0000440	1.0	Contract of Contra	
DAUDTWD	OCLDAND OCLDAND	10	Collette	
provi i MP	OCC DAILY	Con .	Contra .	
BODIT	GOLDAND	C.R.	Length .	
BUPAI	GOLDANJ	100	Delete	
BEDKIMP	0000450	105	Contra .	
BIPWU D	OCLOAND	Con Con	Contra	
BUSAD	BUSAGOLD4	Con.	Leasts	
BUSAS	BUSAGOLD4	ER	Contra	
Cachellag	00LD4	08	Cristic	
CacheMog ("Anal, Tahoma, Verdana")	ENSUB	1.0	Cenete	
Cachening (Confirm)	ENSUB	ER.	Consta	
Cathewing ("EDiDocument/New")	ENSLIB	C.M.	Crittin	
Cathewsg ("Ens")	ENSUB	10	Deseta	
016		Local retranet	14 . 31	00% +

Figure 3-17: Display of new global mappings

13. This completes the steps for mapping the globals.

3.2 KIDS Installation Instructions

This section details the steps required to install the BUSA 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.

Since the installer of this package will be prompted to enter the user (or users) who will be given access to the reporting tool, the installation step of the BUSA package should not be queued to run in the background.

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.
- Refer to the BUSA Installation steps (Section 3.2) and its corresponding Sample BUSA Installation (Section 4.0) for the applicable prompts and user responses. User responses appear in bold type.

3.2.2 BUSA Installation

- 1. From the **KIDS** menu, select the **Installation** menu.
- 2. From the **XPD Main -> Installation** menu, select **Option 1: Load a Distribution**.
- 3. Type **busa0100.k** at the "Enter a Host File" prompt. Please note the file path might need to precede the file name with the appropriate host path. This is the file to retrieve from the appropriate software directory.
- 4. Type **Yes** (or press ENTER to accept the default) at the "Want to Continue with Load? YES//" prompt.
- 5. KIDS file busa0100.k contains the following installation file: IHS USER SECURITY AUDIT 1.0
- 6. From the **Installation** menu, select **Option 2: Verify Checksums in Transport Global**. This option provides a mechanism for ensuring the integrity of your routines. This step verifies checksums for the components of the Transport global, and reports any errors uncovered.
- 7. Type IHS USER SECURITY AUDIT 1.0 as the install name.

Optional: At this time, you can elect to exercise one of the following installation options. If you elect to use one of these, use IHS USER SECURITY AUDIT 1.0 as the install name.

- a. Back Up a Transport Global this option creates a MailMan message that will back up all current routines on the system that would be replaced by this release. (Because this is a new release no files will be replaced.).
- b. Compare Transport Global this option allows you to view all changes that will result from the installation of this patch and compares them with the values currently loaded on the system (routines, data dictionaries, templates, etc.).
- 8. From the **Installation** menu, select the **Install Packages(s)** option.
- 9. At the "Select Install Name prompt", type IHS USER SECURITY AUDIT 1.0.

- 10. Respond to the following prompts as indicated:
 - a. At the "Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//" prompt, type **NO**.
 - b. At the "Want KIDS to INHIBIT LOGONs during the install?//YES" prompt, type **NO**.
 - c. At the "Want to DISABLE Scheduled Options, Menu Options and Protocols?// YES" prompt, type **NO**.
- 11. Type the device that will print the install messages.
- 12. At the "Enter the user to add/delete BUSA Reporting Access for User:" prompt, enter the list of approved users of the BUSA reporting tool.
- 13. Exit the **Installation** menu.

4.0 Sample Installations

4.1 Sample Cache Install

```
Select OPTION NAME: XPD MAIN Kernel Installation & Distribution System
Edits and Distribution ... Utilities ...
Installation ...
Patch Monitor Main Menu ...
You have 4 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 4 PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option
Select Installation Option: 1 Load a Distribution
Enter a Host File: C:\RPMS\busa0100.k 🗌 Type in the correct file path here
KIDS Distribution saved on Nov 05, 2013@19:58:24
Comment: IHS USER SECURITY AUDIT 1.0
This Distribution contains Transport Globals for the following Package(s): IHS USER
SECURITY AUDIT 1.0
Distribution OK!
Want to Continue with Load? YES// YES
Loading Distribution...
Build IHS USER SECURITY AUDIT 1.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES// YES
IHS USER SECURITY AUDIT 1.0
Will first run the Environment Check Routine, BUSA1PRE
USE INSTALL NAME: IHS USER SECURITY AUDIT 1.0 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 Option: 2 Verify Checksums in Transport Global
Select INSTALL NAME: IHS USER SECURITY AUDIT 1.0
                                                   Loaded from Distribution
Loaded from Distribution 11/13/13@13:51:43
=> IHS USER SECURITY AUDIT 1.0 ;Created on Nov 05, 2013@19:58:24
```

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Sample Installations

This Distribution was loaded on Nov 13, 2013@13:51:43 with header of IHS USER SECURITY AUDIT 1.0 ;Created on Nov 05, 2013@19:58:24 It consisted of the following Install(s): IHS USER SECURITY AUDIT 1.0 Want each Routine Listed with Checksums: Yes// YES DEVICE: HOME// VT PACKAGE: IHS USER SECURITY AUDIT 1.0 Nov 13, 2013 1:51 pm PAGE 1 _____ BUSA1PRE Calculated 7769799 BUSAACVR Calculated 1545256 BUSAAPI Calculated 16710103 BUSABQI Calculated 1009756 BUSACLAS Calculated 21482164 BUSAMAG1 Calculated 12323109 BUSAOPT Calculated 27951455 BUSARPC Calculated 117878520 BUSATRAN Calculated 6549672 BUSAUTIL Calculated 211041887 10 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 Option: 6 Install Package(s) Select INSTALL NAME: IHS USER SECURITY AUDIT 1.0 Loaded from Distribution Loaded from Distribution 11/13/13@13:51:43 => IHS USER SECURITY AUDIT 1.0 ;Created on Nov 05, 2013@19:58:24 This Distribution was loaded on Nov 13, 2013@13:51:43 with header of IHS USER SECURITY AUDIT 1.0 ;Created on Nov 05, 2013@19:58:24 It consisted of the following Install(s): IHS USER SECURITY AUDIT 1.0 Checking Install for Package IHS USER SECURITY AUDIT 1.0 Will first run the Environment Check Routine, BUSA1PRE Install Questions for IHS USER SECURITY AUDIT 1.0 Incoming Files: 9002319.01BUSA AUDIT LOG SUMMARY 9002319.02BUSA AUDIT LOG DETAIL 9002319.03BUSA AUDIT RPC DEFINITIONS (including data) 9002319.04BUSA SWITCH SETTINGS 9002319.05BUSA CACHE CLASS TRANSPORT (including data)

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Sample Installations

9002319.07BUSA RPC TRANSPORT LIST Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO// NO Want KIDS to INHIBIT LOGONs during the install? NO// NO Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO// 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 ' $^{\prime}$ to abort the install. DEVICE: HOME// VT Install Started for IHS USER SECURITY AUDIT 1.0 : Nov 13, 2013@13:52:02 Build Distribution Date: Nov 05, 2013 Installing Routines: Nov 13, 2013@13:52:02 Running Pre-Install Routine: PRE^BUSA1PRE Installing Data Dictionaries: Nov 13, 2013@13:52:02 Installing Data: Nov 13, 2013@13:52:02 Installing PACKAGE COMPONENTS: Installing SECURITY KEY Installing INPUT TEMPLATE Installing REMOTE PROCEDURE Installing OPTION Nov 13, 2013@13:52:02 Running Post-Install Routine: POS^BUSA1PRE List started on 11/13/2013 13:52:02 Listing file H:\InterSystems\E3IHS\mgr\Temp\spb3KxKMfH5FjA.xml as xml List finished successfully. Load started on 11/13/2013 13:52:02 Loading file H:\InterSystems\E3IHS\mgr\Temp\81KCnaziRxeXrg.xml as xml Imported class: BUSA.MainReportPage Imported class: BUSA.ReportingApp Imported class: BUSA.Users, compiling 3 classes Compiling class BUSA.MainReportPage Compiling class BUSA.ReportingApp Compiling class BUSA.Users Compiling table BUSA.Users Compiling routine BUSA.MainReportPage.1 Compiling routine BUSA.ReportingApp.1 Compiling routine BUSA.Users.1 Load finished successfully. Updating 9002319.05 Record

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Sample Installations

Enter the user to add/delete BUSA Reporting Access for User: EVERETT, BRIAN E BEE User set up for BUSA Reporting Access Current approved BUSA Reporting Users EVERETT, BRIAN E Enter the user to add/delete BUSA Reporting Access for User: Updating Routine file... Updating KIDS files... IHS USER SECURITY AUDIT 1.0 Installed. Nov 13, 2013@13:52:36 Not a VA primary domain Install Completed

5.0 Configuring the IHS USER SECURITY AUDIT Web Application

Please note – it is recommended that the site use a standalone IIS or ApacheTM web server with Secure Sockets Layer (SSL) configuration and not the private web server provided by InterSystems. The instructions here are meant to be used for testing purposes only.

Next, configure the security settings for the IHS USER SECURITY AUDIT (BUSA) application which was automatically created by the import and compile process.

5.1 Enable System Authentication Options

- 1. Sign on to the Ensemble System Management Portal
- 2. Select **System Administration** in the left column.
- 3. Select Security >> System Security >> Authentication/CSP Session Options.
- 4. The screen in Figure 5-1 will display.

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G Authentication/CSP Session Options - Windows Internet Explorer	
🚱 🗢 🖻 http://localhost:57774/csp/sys/sec/UtilSysAuthentication.csp?SNAMESPACE=ENSEMBLE&Recent=1 🔹 😒 🍫 🗙 🔀 Bing	+ م
File Edit View Favorites Tools Help	
× A •	
🖕 Favorites 🖉 Authentication/CSP Session Options 📓 🔻 🖾 🖶 👻	Page ▼ Safety ▼ Tools ▼ 🕢 ▼
Menu Home About Help Logout System > Security Management > Authentication Options	Ensemble
Authentication Options Sever VieteKeBITMLARL Namespace %SVS	by InterSystems
Userststem License in ssing of unreadable. Instance.cz0120012	
Edit Security Authentication/CSP Session Options:	
Allow Unauthenticated access: 🗹	
Allow Operating System authentication:	
Allow Password authentication: 🗹	
Allow Delegated authentication:	
Allow Kerberos authentication: 🗹	
Allow LDAP authentication:	
Allow LDAP cache credentials authentication:	
Allow creation of Login Cookies: 📃 Login Cookie Expire Time: 0 secs (0 implies non-persistent cookie)	
Enable two-factor authentication:	
Save Cancel	
	.
Cocal intranet Protected Mode: O	ff 🕼 🕶 🖲 100% 🔻 🖉

Figure 5-1: System Administration->Security->System Security->Authentication/CSP Options

1. Make sure that the "Allow Unauthenticated access:" box is checked then click "Save." The change will take effect immediately.

5.2 Create New Web Application

Return to the main Ensemble Management Portal page. Select Security >>
 Applications >> Web Applications under System Administration in the left column. The Web Applications page similar to Figure 5-2 will display:

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IHS USER SECURITY AUDIT (BUSA)

🏉 Web	Applications - Windov	vs Interne	et Explorer						
6	🔵 🗢 🕼 http://local	lhost:5777	74/csp/sys/se	c/UtilSysApplicati	ions.csp?\$ID1=*&\$ID2=1&	Rece	nt=1	👻 😓 🍫 🗙 📴 Bing	، م
File	Edit View Favorit	tes Too	ls Help						
x	4 -								
	varitar	10.00						🔊 – 🖸 – 🗖 🖶 – Barre Saf	atur Taalar 🔍 - »
	Web Ap	oplication	IS						xy • 100is • 🕡 •
Me	enu Home Abo	ut Help	Logout	System > Sec	urity Management > Web /	Applic	ations		Incomble
10/	ob Applications				Server: VGE9KGBT	M1L/	ARL N	lamespace: %SYS	Lister Custome
	eb Applications				User: _SYSTEM		Li	icensed to: License missing or unreadable. Instance: E2012DOT2	y inter Systems
	reate New Meb Appli	cation							
	reate new web Applic	cauon							
Tr	ne following is a list	of Web	application	s that are curre	ently defined:			Last update: 2013-07-15 00:54:17.832 Auto	
	Filter:	F	Page size: 20	 Items found: 	17				
1	Name	Enabled	1 Type	Resource	Authentication Methods				
	/csp/ensdemo	Yes	CSP	%Ens_Portal	Password	Edit	Delete		
	/csp/ensemble	Yes	CSP	%Ens_Portal	Password	Edit	Delete		
	/csp/samples	Yes	CSP		Password,Unauthenticated	Edit	Delete		
	/csp/user	Yes	CSP		Password,Unauthenticated	<u>Edit</u>	Delete		
	/isc/studio/usertemplates	Yes	CSP		Password,Unauthenticated	<u>Edit</u>	Delete		
	/csp/broker	Yes	System,CSP		Unauthenticated	<u>Edit</u>			
	/csp/docbook	Yes	System,CSP		Unauthenticated	<u>Edit</u>	-		
	/csp/documatic	Yes	System,CSP	%Development	Password,Unauthenticated	<u>Edit</u>	-		
	/csp/sys	Yes	System,CSP		Password,Unauthenticated	Edit			
	/csp/sys/bi	Yes	System,CSP		Password,Unauthenticated	Edit	-		
	/csp/sys/exp	Yes	System,CSP	%Development	Password,Unauthenticated	Edit			
	/csp/sys/mgr	Yes	System CSD	%Admin_Manage	Password, Unauthenticated	Edit			
	Icenteveteec	Vec	System CSP	%Admin_Operate	Password Unauthenticated	Edit	-		
	/isc/nki	Yes	System CSP	WAAAAAA COULDE	Unauthenticated	Edit			
	/isc/studio/rules	Yes	System,CSP		Password,Unauthenticated	Edit			
	/isc/studio/templates	Yes	System,CSP	%Development	Password,Unauthenticated	Edit	-		
1									
									Ψ
								👊 Local intranet Protected Mode: Off	🖓 🔻 🔍 100% 💌 💡

Figure 5-2: Web Applications screen

Installation Guide and Release Notes

2. Select **Create New Web Application** and fill out the values similar to Figure 5-33.

 http://10.24.196.43:57775/csp/sys/ 	ec/UtilSysApplication.csp?\$ID1=/csp/busa&\$ID2=1&\$I	NAMESPACE=	👻 😒 🐓 🗙 🚺 Bing	
Edit View Favorites Tools Help				
Share Browser WebEx -				
vorites Web Application Edit			🐴 🔻 🗟 👻 🖃 📾 👻 Page 🕶 S	afety - Tool
Home Lébourt Help II organi	Sustam > Security Management > Web Applications	CditWoh Application		
Home Pabour (Help Logour	Server: VDENMIHSDBD01 Na	mespace: %SYS		Ensemb
dit Web Application	User: rhuisiai Lic	ensed to: Vangent, Inc. Instance: E3IHS		by InterSyste
dit definition for Web application /cs)/busa:			
[General] Application Roles	Matching Roles			
Web Application Name*:	/csp/busa (e.	g. /csp/appname)		
Description:	BUSA Audit			
Enabled:	V			
Resource required to run the application:	•			
Allowed Authentication Methods:	Vnauthenticated			
	Password			
Group By Id-	Login Cookie			
Two Easter Easted				
CSP/ZEN Enabled:				
Inbound Web Services Enabled:				
Permitted Classes:				
Namespace:	GOLD4 -			
Namespace Default Application:				
CSP Files Physical Path :	H:\InterSystems\E3IHS\CSP\gold4	Browse		
Recurse:	Yes -			
Auto Compile:	Yes -			
Event Class:				
Session Timeout:	900			
Default Superclass:				
Use Cookie for Session:	Autodetect -			
Session Cookie Path:	/csp/busa/ 👻			
Serve Files:	Always Serve Files Timeout: 360	0		
Lock CSP Name:	Yes -			
Custom Error Page:				
Package Name:				
Login Page:	BUSA.MainReportPage.cls			
Change Password Page:				
-				

Figure 5-3: Edit Web Application screen

- 3. For Web Application Name put in /csp/busa.
- 4. Description is **BUSA Audit**.
- 5. For Allowed Authenticated Methods make sure Unauthenticated is checked.
- 6. For Namespace, select the site's RPMS namespace
- 7. For **CSP Files Physical path**, locate the directory as <cacheinstance>/csp/<RPMSinstance> (see Figure 4-3)
- 8. For Login Page, type BUSA.MainReportPage.cls.

Installation Guide and Release Notes

Configuring the IHS USER SECURITY AUDIT Web Application

September 2014

5.3 Update Ensemble's UnknownUser

 Return to the main Ensemble Management Portal page. Select Security >> Users under System Administration in the left column. The Users page similar to Figure 5-4 will display:

5 - WINGOWS III	nternet Explorer														
) 🗢 🕼 htt	p://localhost:57774/csp/s	sys/sec/Ut	tilSqlUsers.csj	?Recent:	=1						- 2	3 😽 🗙 🔽	Bing		
Edit View	Favorites Tools He	lo													
A -	Tavonics Tools The	ηÞ													
orites 🕹	Users											🚰 🔻 🖾 👻 🖬	📑 🖏 🔻 Page	e ▼ Safety ▼	Tools ▼ (
nu Ho	me About Help Logou	ıt S	System > Sec	urity Man	agement > Users									LE	
				S	erver: VGE9KGBTM1L	ARL.	Name	space: %	SYS					Ens	emble
ers				U	ser: _SYSTEM		Licens	sed to: L	cense missi	ng or unread	dable. 🛛	Instance: E2012D	IOT2	by Inte	rSystems
reate new us	er												_		
e following i	s a list of user definiti	ons:							Last upda	ate: 2013-07-1	5 01:03:25	5.930 🔲 Auto			
		_													
Filter:	Page size	e: 20 🔻	 Items found: 	8											
User	Full Name	Enabled	Namespace	Routine	Туре										
_Ensemble	Ensemble Manager	Yes			Cache password user	Edit	Delete	Profile							
_PUBLIC	(Internal use - not for login)	No			Cache password user	Edit	-	Profile							
_SYSIEM	SQL System Manager	Yes			Cache password user	Edit	-	Profile							
CSPSvetem	CSP Gateway user	Ves			Cache password user	Edit	Delete	Profile							
hulswa	User who installed system	Yes			Cache password user	Edit	Delete	Profile							
SuperUser	System Super user	Yes			Cache password user	Edit	Delete	Profile							
UnknownUser	Unauthenticated user	Yes			Cache password user	Edit	-	Profile							

Figure 5-4: User Management screen

2. Locate the user called **UnknownUser** on this screen. Once found, click on the **Edit** link. A screen similar to Figure 5-5 will display.

Installation Guide and Release Notes

🏀 User Edit - Windows Internet Explorer			8
CO v ktp://localhost:57774/csp/sys/sec/UtilSqlUserEdit.csp?SID1=Unknow	nUser&\$NAMESPACE=	🛛 🖄 🗙 🔁 Bing 🖉	-
File Edit View Favorites Tools Help			
x 🔏 🔹			
🚖 Favorites 🏾 🏉 User Edit		🦄 🔻 🗟 👻 🖃 🖶 👻 Page 🕶 Safety 👻 Tools 👻 🌒 👻	**
Menu Home About Help Logout System > Security Management	> Users > Edit User	Ensemble	-
Edit User	9KGBTM1LARL Namespace: %SYS	by InterSystems	
User31	STEW LICensed to. License missing of unreadable	Milistance, E2012D012	-
Profile			
Edit definition for user Unknown User			
[General] Roles SQL Privileges S(QL Tables SQL Views SQL Procedures		-
Name*: UnknownUser			
Full Name: Unauthenticated user			
Comment:			
Password*:			
Confirm Password*			
Change password on next login:			
User Enabled: 🔽			
Expiration Date:	w-mm-dd)		
Startup Namespace:	yy-mir-ddy		
Startup Tag^Routine:			
Two-factor Authentication			E
Mobile phone service provider:			
Mobile phone number:			
Indicates a required field. Save	Close		
			-
Done	S 1	ocal Intranet Protected Mode: Off	

Figure 5-5: Edit User screen

3. Click on the word **Roles** immediately under **Edit definition for user UnknownUser** and the **Edit User** screen similar to Figure 5-6 will display:

Installation Guide and Release Notes

🏈 Edit User - Windows Internet Explorer				
CO v http://localhost:57774/csp/sys/sec/UtilSqlUserPriv.csp?ty	pe=user&\$ID1=UnknownUser&\$ID2=1	•	🗟 😽 🗙 🖸 Bing	+ م
File Edit View Favorites Tools Help				
x / ·				
🖕 Favorites 🔮 Edit User			🟠 🔻 🖾 👻 🚍 🖶 👻 Page 🕶	Safety ▼ Tools ▼ 🔞 ▼ 🦈
Menu Home About Help Logout System > Security M	anagement > Users > Edit User			Ensemble
Edit User	Server: VGE9KGBTM1LARL Namespace: %SYS User: _SYSTEM Licensed to: Licen	se missing or unreadable.	Instance: E2012DOT2	by InterSystems
DesEla				
Edit definition for user UnknownUser				
General [Roles] SQL Privilege	s SQL Tables SQL Views	SQL Procedures		
UnknownUser is Assigned to the Following Roles	Grant Option			
None.	· · · · · · · · · · · · · · · · · · ·			
Assign user UnknownUser to one or more roles:				
Available Selected	Assian			
	,			
%DB_CACHE	Assign with Grant Option			
%DB_CACHEAUDIT %DB_CACHELIB				
%DB_CACHESYS				
%DB_DOCBOOK				
%DB_ENSEMBLE -				
Hold the [Shift] or [Ctrl] key while clicking to select multiple.				
		🛸 Lo	cal intranet Protected Mode: Off	

Figure 5-6: Edit User

- 4. If the list of roles which appears at the top of the page immediately under **UnknownUser is Assigned to the Following Roles** includes **%All**, then no further action in this section is required. If not, then select **%All** in the list of **Available** roles on the left hand side of the page, and click the top arrow located between the **Available** and **Selected** columns.
- 5. Once **%All** appears in the **Selected** column, click on the Assign button and **%All** will appear under **UnknownUser is Assigned to the Following Roles** indicated in Figure 5-7:

Installation Guide and Release Notes

Image: Sector Secto	🖉 Edit User - Windows Internet Explorer		
Tex Text Text <td>C v http://localhost:57774/csp/sys/sec/UtilSqlUserPriv.csp?type=user&CSID1=UnknownUser&CSID2=1</td> <td>🗟 😽 🗙 🔽 Bing</td> <td>• م</td>	C v http://localhost:57774/csp/sys/sec/UtilSqlUserPriv.csp?type=user&CSID1=UnknownUser&CSID2=1	🗟 😽 🗙 🔽 Bing	• م
Image: Sector langement vices > Entitie Image: Sector langement vices > Entitie </td <td>File Edit View Favorites Tools Help</td> <td></td> <td></td>	File Edit View Favorites Tools Help		
Image: text uper Image: text uper	x <u>A</u> •		• »
<form> Yet Yet</form>	😤 Favorites 💣 Edit User	🛐 🔻 🔝 🔻 🖃 🖶 🕈 Page 🕶	Safety ▼ Tools ▼ 🔞 ▼
Cell User Ys Titili Locanace die Userse missing or uuresadade. Instance 20120072 (Principality) Endit self-inflich for user UnknownUser Centeral Rolesi Sol. Privileges Sol. Tables Sol. Views Sol. Proceedures Auslande Sol. Privileges Sol. Tables Sol. Views Sol. Proceedures Sole on or Ware Sole on or	Menu Home About Help Logout System > Security Management > Users > Edit User Security/Edit/(Edit/Management > Users > Edit User		Ensemble
Interview of the second of	Edit User User: _SYSTEM Licensed to: License missing or unreadable	Instance: E2012DOT2	by InterSystems
Concert Boole SQL Providences Submitted in Adapted to the Following Roles Concert	Profile		
Ceneral Rolest SQL Probleget SQL Yebest SQL Procedures Ansame Ans	Edit definition for user UnknownUser		
	General Roles SOI Privileges SOI Tables SOI Views SOI Procedures		
Note Cant Option Note Cant Option Note Sector			
Image:	UnknownUser is Assigned to the Following Roles Grant Option		
Active to the second of the se			
Available Selected Subg CACHE Temms Selected Subg CACHE Selected	Assign user UnknownUser to one or more roles:		
Select One or More - The Terms Selected Assign SkDB CACHEL SkDB CACHELUT SkDB CACHELSYS SkDB CACHETENP SkDB CACHETEN	Available Selected		
Stop CACHE Assign with Grant Option % DD CACHELWD Assign with Grant Option % DD CACHETSY Assign with Grant Option	Select One or More Assign		
Done	%DB_CACHE %DB_CACHEAUDIT ■		
Done Device Temperature Mode Of the United States o	%DB_CACHELIB		
WDB_ENSDEMO WDB_ENSDEMD WDB_ENSDEMD WDB_ENSUBB Hold the (Shift) or (Citri) key while dialog to seled multiple.	%DB_CACHETEMP		
"ADD_EnSUB" Hold the (Shift) or (Ctrl) key while disking to select multiple.	%DB_ENSDEMO		
Hold the (Shift) or (Ctr) key while dialing to select multiple.	%DB_ENSLIB		
	Hold the [Shift] or [Ctrl] key while didiing to select multiple.		
Pone			
Done			
Pone			
Pone Vorsi intranet Protected Mode: Off 6 7 8 100% 7			
Tone			
Tone			
Tone			
v Done Rei Local intranet Protected Mode: Off Rei v 18 100% v			
Tone Set Local intranet LProtected Mode: Off 🖉 💌 🕏 100% 💌			
T			
Done 🗣 Local intranet Protected Moder Off 🖉 👻 8, 100% 👻			
	Done 🔍 🦓 L	ocal intranet Protected Mode: Off	A A A A

Figure 5-7: Edit User - Roles tab

6. The Web application portion and security setup is complete.

Installation Guide and Release Notes

6.0 Cache Server Page (CSP) Web Gateway Installation

The CSP Web Gateway provides the communications layer between the hosting Web server and Ensemble when you call a Caché® Server Page (CSP) or Caché® Zen application. The purpose of using the Web Gateway is to offload the access to the BUSA application to a dedicated web server, as well as use Secure Socket Layer (SSL) communication to encrypt the data between the user and the server.

Note: The instructions in this section assume the site is running Microsoft Internet Information Server (version 7 or higher) with a valid installed SSL certificate. Installation of IIS and SSL certificates are outside the scope of this document.

6.1 Install Cache Shell

1. Start by launching the Ensemble executable appropriate for your version of Windows and checking **I accept the terms in the license agreement** and click **Next** as indicated in Figure 6-1.



Figure 6-1: Ensemble Installation – License Agreement

2. Enter a unique Ensemble Instance Name for this physical machine and click **Next** as indicated in Figure 6-2.

Ensemble - Installation	E
Ensemble Instance Name	ENSEMBLE
Multiple copies of Ensemble can be installed unique name. Define a name for the current Ensemble Instance Name:	f on the same machine, each has to have a nt Ensemble instance.
Janearia	
	↓
	< <u>B</u> ack <u>N</u> ext > Cancel

Figure 6-2: Ensemble Installation - Ensemble Instance Name

3. On the next screen, enter the path where the Ensemble shell will be located by clicking **Change** as in Figure 6-3.



Figure 6-3: Ensemble Installation – Destination Folder

4. Install into the directory C:\InterSystems\EnsembleCSP and click **OK** as indicated in Figure 6-4.



Figure 6-4: Ensemble Installation – Change Current Destination Folder

5. Select **Web Server** on the next screen and click **Next** as indicated in Figure 6-5.

🔡 Ensemble - Installation	X
Setup Type	ENSEMBLE.
Choose the setup type that	t best suits your needs.
Development	Installs Ensemble server, Ensemble Studio, xDBC and all supported language bindings.
) Server	Installs Ensemble server and CSP Gateway.
© Client /	Installs Ensemble Studio and xDBC.
Web Server	Installs CSP Gateway.
Custom	Specify the list of features you want installed.
	< Back Next > Cancel

Figure 6-5: Ensemble Installation – Setup Type

6. A screen will appear as in Figure 6-6 allowing a review of the options. Review and click **Install**.

11 E	Ensemble - Installation		23
R	eady to Install the Program	n	ENSEMBLE
	Please review installation options.	Click Install to start the installation.	
	Summary of installation options:		
	Action:	New Install	
	Instance Name:	ENSEMBLE	
	Installation Directory:	C:\InterSystems\EnsembleCSP\	
	Installation Type:	Web	
		< Back Install	Cancel

Figure 6-6: Ensemble Installation – Ready to Install the Program

7. If IIS is running you will receive a warning message asking you to stop the IIS WebServer as seen in Figure 6-7. Click **Yes** and it will stop IIS and continue the installation process.



Figure 6-7: Ensemble Installation - Stop IIS webserver

8. Click **Finish** on the screen to complete the installation as indicated in Figure 6-8.



Figure 6-8: Ensemble Installation - Finish

6.2 Configure IIS

 On the webserver that the CSP gateway was just installed, navigate to Administrative Tools -> Internet Information Services (IIS) Manager as indicated in Figure 6-9.



Figure 6-9: Ensemble Installation cont'd

2. Select **Default Web Site**, click on **csp**, then **Handler Mappings** as indicated in Figure 6-10.



Figure 6-10: IIS Handler Mappings

3. Validate that the **CSPGateway_*** mappings are present for *.cls, *.csp, *.cxw and *.zen, and that they are listed as **Enabled** as indicated in Figure 6-11.

Control of the second of						Actions
Index Product Step State Group by: State Disabled appret_clent Bit broker Bit </th <th>Handler Mapping Use this feature to specify the resou</th> <th>IS rces, such as DLLs and</th> <th>managed code, t</th> <th>hat handle responses f</th> <th>or specific request</th> <th>Add Managed Handler Add Script Map</th>	Handler Mapping Use this feature to specify the resou	IS rces, such as DLLs and	managed code, t	hat handle responses f	or specific request	Add Managed Handler Add Script Map
Sites Sites	tion Pools					Add Module Manning
Name Path State Path Type Handler appret_clerk Disabled - - Revert To Inherted apprintegrated+1.0 *.dl Disabled File Capit/odde apprintegrated+1.0 *.aspq Enabled Unspecified System.Web apprintegrated+1.0_stbit *.aspq Enabled Unspecified System.Web applintegrated+1.0_stbit *.aspq Enabled Unspecified System.Web applintegrated+1.0_stbit *.aspq Enabled Unspecified System.Web Accombinescore.adder-Integr WebResource.and Enabled Unspecified System.Web AVD-ISAPI-1.0_stbit *.asrd Enabled Unspecified IsapModule AVD-ISAPI-2.0-64 *.axid Enabled Unspecified IsapModule AVD-ISAPI-4.0_stbit *.axid Enabled Unspecified IsapModule AVD-ISAPI-4.0_stbit *.cshtm Enabled Unspecified IsapModule Chim-Integrated+1.0_stbit *.cshtm Enabled Unspecified IsapModule CohertHau *.cshtm Enabled Unspecified IsapModule CohertHau *.cshtm Enabled Unspecified IsapModule	Group by: State *		10	1		
Agret_glerit Disabled Big broker Disabled Big broker Disabled PerEx. aspq:15AP1-4.0_32bit aspq:15AP1-4.0_32bit aspq Ensmble1 aspq:15AP1-4.0_54bit AssemblyResourceLoader-Integr WebResource.ad AAD-15AP1-2.0 *axd AXD-15AP1-4.0_54bit *axd AXD-15AP1-4.0_54bit *axd AXD-15AP1-4.0_54bit *axd AXD-15AP1-4.0_32bit *axd AXD-15AP1-4.0_54bit *axd AXD-15AP1-4.0_32bit *axd Ensheld Unspecified Isaphtodule AXD-15AP1-4.0_54bit *axd Chim-Integrated-4.0 *.cshtm Ensheld Unspecified Isaphtodule System.Web (cshtm-Integrated-4.0 *.cshtm Chim-Integrated-4.0 *.cshtm Enabled Unspecified Isaphtodule Cshtm-IsAP1-4.0_54bit *.cshtm Enabled Unspecified Isaphtodule Cshtm-IsAP1-4.0_54bit *.cshtm Enabled Unspecified Isaphtodule Cshtm-IsAP1-4.0_54bit *.cshtm	Name -	Path	State	Path Type	Handler 🔺	Edit Feature Permissions
SR ISAPE-dil *.dl Disabled File togethodde PerEX: aspq-linkegrated-4.0 *.aspq Enabled Unspecified IsapModule aspq-linkegrated-4.0 *.aspq Enabled Unspecified IsapModule Help aspq-linkegrated-4.0 *.aspq Enabled Unspecified IsapModule System. Web aspq-linkegrated-4.0 *.aspq Enabled Unspecified IsapModule AssemblyResourceLoader-Integr WebResource.axd Enabled Unspecified IsapModule AXD-ISAPI-4.0_32bk *.axd Enabled Unspecified IsapModule AXD-ISAPI-4.0_32bk *.axd Enabled Unspecified IsapModule cshm-ISAPI-4.0_32bk *.axd Enabled Unspecified IsapModule cshm-ISAPI-4.0_32bk *.cshm Enabled Unspecified	aspnet client Disabled					Revert To Inherited
Big broker 9 ys System Enabled aspq-integrated-4.0 * aspq Enabled Unspecified System, Web aspq-itSAPI-4.0_32bit * aspq Enabled Unspecified IsapModule AssemblyResourceLoader-Integr WebResource.axd Enabled Unspecified IsapModule ADD-ISAPI-2.0 *,axd Enabled Unspecified IsapModule ADD-ISAPI-2.0-64 *,axd Enabled Unspecified IsapModule Cshtm-Integrated-4.0 *,cshtm Enabled Unspecified IsapModule Ghat mastrice *,cshtm Enabled Unspecified IsapModule Ghat Moline *,cshtm Enabled Unspecified IsapModule Ghat Moline *,cshtm Enabled Unspecified IsapModule Ghat Moline *,cshtm Enabled Unspecified System, Web	CSP ISAPI-dl	2.6	Disabled	File	(sapiModule	View Ordered List
espendel PerfEx spq-Integrated-4.0 *.espq Enabled Unspecified System.Web aspq-ISAPI-4.0_32bit *.espq Enabled Unspecified IsapModule AssemblyResourceLoader-Integr WebResource.axd Enabled Unspecified System.Web AssemblyResourceLoader-Integr WebResource.axd Enabled Unspecified System.Web Axo-ISAPI-2.0 *.exd Enabled Unspecified IsapModule AXD-ISAPI-2.0 *.exd Enabled Unspecified IsapModule AXD-ISAPI-2.0-64 *.axd Enabled Unspecified IsapModule AXD-ISAPI-4.0_32bit *.axd Enabled Unspecified IsapModule AXD-ISAPI-4.0_32bit *.axd Enabled Unspecified IsapModule AXD-ISAPI-4.0_32bit *.axd Enabled Unspecified IsapModule AXD-ISAPI-4.0_32bit *.cshtm Enabled Unspecified IsapModule cshtm-ISAPI-4.0_32bit *.cshtm Enabled Unspecified IsapModule cSPGateway_*.csp *.csp *.csp Enabled Unspecified CSPms CSPGateway_*.csm *.csm Enabled Unspecified CSPms CSPGateway_*.csm *.csm Enabled Unspecified CSPms CSPGateway_*.csm *.csm Enabled Unspecified CSPms CSPGateway_*.csm *.csm Enabled Unspecified System.Web	broker sys Enabled				10,500	Help Online Help
AssemblyResourceLoader_Integr WebResource.axd Enabled Unspecified IsapModule AssemblyResourceLoader_Integr WebResource.axd Enabled Unspecified System.Web AssemblyResourceLoader_Integr WebResource.axd Enabled Unspecified System.Web AssemblyResourceLoader_Integr WebResource.axd Enabled Unspecified IsapModule AvD-ISAPI-2.0-64 *.axd Enabled Unspecified IsapModule AvD-ISAPI-2.0-64 *.axd Enabled Unspecified IsapModule AvD-ISAPI-4.0_32bit *.axd Enabled Unspecified IsapModule AvD-ISAPI-4.0_54bit *.axd Enabled Unspecified IsapModule AvD-ISAPI-4.0_52bit *.axd Enabled Unspecified IsapModule AvD-ISAPI-4.0_54bit *.axd Enabled Unspecified IsapModule AvD-ISAPI-4.0_54bit *.cshtm Enabled Unspecified IsapModule cshtm-ISAPI-4.0_52bit *.cshtm Enabled Unspecified IsapModule cshtm-ISAPI-4.0_52bit *.cshtm Enabled Unspecified IsapModule cshtm-ISAPI-4.0_52bit *.cshtm Enabled Unspecified IsapModule CSPGateway_*.cs *.cshtm Enabled Unspecified IsapModule CSPGateway_*.cs *.cshtm Enabled Unspecified IsapModule CSPGateway_*.cs *.cshtm Enabled Unspecified IsapModule CSPGateway_*.cs *.cs Enabled Unspecified System.Web CSPGateway_*.cs *.cs Enabled Unspecified CSPms CSPGateway_*.cs *.cs Enabled Unspecified CSPms CSPGateway_*.cs *.cs *.cs *.cs *.cs *.cs *.cs *.cs	ensemble1 aspo-Integrated-4.0	*.asp0	Enabled	Unspecified	System, Web	
aspq-15AP1-4.0_64bit *.espq Enabled Unspecified IsapIModule AssemblyResourceLoader_Integr WebResource.axd Enabled Unspecified System.Web AssemblyResourceLoader_Integr WebResource.axd Enabled Unspecified IsapIModule AVD-15AP1-2.0 *.exd Enabled Unspecified IsapIModule AVD-15AP1-2.0-64 *.axd Enabled Unspecified IsapIModule AVD-15AP1-4.0_32bit *.axd Enabled Unspecified IsapIModule AVD-15AP1-4.0_32bit *.axd Enabled Unspecified IsapIModule cshtm-Integrated 4.0 *.cshtm Enabled Unspecified IsapIModule cshtm-ISAP1-4.0_64bit *.cshtm Enabled Unspecified IsapIModule cshtm-ISAP1-4.0_32bit *.cshtm Enabled Unspecified CSPms CSPGateway_*.cs *.cs Enabled Unspecified CSPms CSPGateway_*.cs *.cs Enabled Unspecified CSPms CSPGateway_*.cs *.cs Enabled Unspecified CSPms CSPGateway_*.cs *.cs Enabled Unspecified CSPms	Pericx aspo-ISAPI-4.0 32bit	*.asp0	Enabled	Unspecified	IsapiModule	
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A THE THE ADDRESS OF	Features View Content View					

Figure 6-11: IIS Handler Mappings cont'd

4. In order to have IIS handle CSP applications like BUSA via IIS, click Add Module Mapping and enter values as indicated in Figure 6-12.

File View Help		
File View Help onnections Start Page PhypeA-RPM53 (D1 alonzo.chee) Application Pools FTP Sites Sites Sites Construction Sites Provide Pr	Handler Mappings Use this feature to specify the resources, such as DLLs and managed code, that handle responses for specific types. Group by: State Name Add Module Mapping Request path: Enabled Example: *.bas, wsvc.axd aspq-Integrated Supping CSPms Example: *.bas, wsvc.axd AssemblyResource Ass	Actions Add Managed Handler Add S Add S Add S Add Module Mapping Edit Feature transsions Revert Torin Shited Very Ordere Eist Help Online Help Shitodule Shitod
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Figure 6-12: IIS Handler Mappings – Add Module Mapping

6.3 Configure CSP Web Gateway

 While connected to the server where the CSP Web Gateway was installed, enter the following link in a web browser: <u>http://localhost:PORT/csp/bin/Systems/Module.cxw</u>

Where PORT should be set to the appropriate assigned port number.

Providing the correct link is entered, the following screen shown in Figure 6-13 will appear.

🖉 About CSP Gateway - Windows Int	rnet Explorer		
COO - tt http://localhost:57777/cs	/bin/Systems/Module.cxw	💌 🗟 🐓 🗙 🚼 Google	P -
File Edit View Favorites Tools Hel			
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	Caché Server Pages Web Gateway Management		
Management System Status Close Connections Test Server Connection View Event Log View HTTP Trace Configuration Default Parameters Server Access Application Access About CSP Gateway	About CSP Gateway Version: 2012.2.5.962.0.13037 Gateway Build: 1202.1315b Web Server Name: localhost Web Server Type: Apache Web Server: Apache Cache_Server_Pa Active Interface: Apache Module Copyright © 1997 - 2013 In	H ages-Apache_Module/2012.2.5.962.0.13037-1202.1315b	3D
			X

Figure 6-13: CSP Web Gateway configuration

2. Click on **Default Parameters** as indicated in Figure 6-14.

About CSP Galeway - Windows In	ernet Explorer		
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Management Syster Status Close connections Test Siever Connection View Prent Log View PTP Trace Computation Default Parameters Schwar Access Application Access About CSP Gateway	About CSP Gateway Version: 2012.2.5.962.0.13037 Gateway Buld: 1202.1315b Web Server Name: localhost Web Server Type: Apache Web Server: Apache Cache_Server, Active Interface: Apache Module Copyright © 1997 - 201	Pages-Apache_Module/2012.2.5.962.0.13037-1202	Help

Figure 6-14: Navigate to the **Default Parameters**

• Located the Connections to Cache parameters section

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• In the Server Response Timeout and Queued Request Timeout fields, adjust each value so that the reporting tool can handle searches which will be sifting through large amounts of data and which might return a large number of results. The values entered in these fields depend largely on the system processing capabilities and the typical load on the system. If, when performing searches, users are frequently encountering gateway timeout errors, then these values should be increased. An initial setting of 180 (3 minutes) should be a good starting value to place into these fields. See Figure 6-15 for locations of these parameters. Click **Save Configuration**.

C Default Parameters - Win	idows Internet Explorer		- 🗆 🔀
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2	Caché Server Page Web Gateway Management		Î
Management System Status Close Connections Test Server Connection View HTP Trace Configuration Default Parameters Server Access Acolication Access About CSP Gatemay	Default Parameters CSP Gateway Instance Host Name: Default Maximum Connections: Maximum Cache Size: Security Trees Access to these forms: Bassword: Security Trees User Name: Password: Secure Response Timeout: Manager Machine/s: Connections to Caché Server Response Timeout: Server Response Timeout: Devent Log Relation Size: SSL Library Path: ASP Reliment Web Document Root: Temp ASP Directory: Elimor Pages	Apply Sarcts7777 Ascurity, parameter first are required by Gaseway Administrators for the purpose of accessing these forms. Pass and (Confirm): Override Username and Password II Accept client IP addresses forwarded by proxy servers Apply timeout to all connections C/Trierdlyreams/Ensemble/2012/25962/CSP/Brv/CBP.kg	- min

Figure 6-15: Adjusting the gateway timeout settings

3. Click on Server Access and Add Server as indicated in Figure 6-16.

🕽 🔵 💌 🛗 http://locahos	t:57777/csp./bin/Systems/Module.cow?C	CSPSYS=684CSPSYSIV 💌 🔁 😽 🔀 Google	Q
ile Edit View Favorites	Tools Help		
Favorites Ett Server Acces	15	🐴 • 🔂 - 🖬 🖶 • Page • 3	Safety + Tools + 🔞 +
2	Caché Server Pa Web Gateway Management	ages	
Management System Status Close Connections Test Server Connection View Event Log View HTTP Trace Configuration Default Parameters Server Access Application Access About CSP Gateway	Server Access Click on an existing server and © Edit Server © Copy Server © Delete Server Or create a new server config	d then edit/copy or delete its configuration:	Help

Figure 6-16: CSP Gateway configuration - Server Access and Add Server

4. Insert the appropriate site information in the highlighted areas on the following screen as indicated in Figure 6-17, and click **Save Configuration** at the bottom when complete.

Server Access - Windows Internet Explorer	stems/Module.com	오토 🔁 😏 🧭 Server Access	x	_□× ☆ ©
🗙 🕝 Share Browser WebEx 🔹				
Management	Caché Server Page Web Gateway Management	25	н	
System Status			_	-
Close Connections	Server Name: 🖡	RPMS		
Test Server Connection	Service Status:	Enabled 🔽		
View Event Log	IP Address:	10.0.1.120		
View HTTP Trace	TCP Port:	1972		
Configuration	State-Less Parameters			
Default Parameters	Minimum Server Connections:	3		
Application Access	Maximum Server Connections:			
About CSP Gateway	Maximum Connections per Session:	3		
	Connection Security 7	These are the security settings that an	e required by the Gateway for the purpose of accessing this serve	s
	Connection Security Level:	Password V	1	
	User Name:	CSPSystem		
	Password:		1 •••	
	Service Principal Name:	Cathe	Generate	
	Key Table:			
	SSI Protocol:			
	SSL Key Type:	RSA V		
		Require peer certificate ver	rification	
	SSL Certificate File:			
	SSL Certificate Key File:			
	SSL CA Certificate File:			
	SSL Private Key Password:			
	Optional Parameters 7	These parameters will be inherited from	m the CSP Gateway 'Default Parameters' if not specified here.	
	Server Response Timeout:	Inherited Value: 60		
	No Activity Timeout:	Inherited Value: 1800	Apply timeout to all connections	
	Event Log Level:	No Value to Inherit]	
	Error Pages	ar a LIDL to redirect the browcar to if the	his arror occurs. These values will be inherited from the CCP Ostaw	~

Figure 6-17: CSP Web Gateway configuration – Site Information

5. Click on Application Access and Add Application as indicated in Figure 6-18.



Figure 6-18: Web Gateway configuration cont'd

6. On the following screen, for **Application Path:** set to /**csp/busa** and for **Default Server:** select your previously configured server name from the dropdown, then click **Save** as indicated in Figure 6-19.

Application Access - Windows Internet Expl	sters/Module.cow	(슈 숫 8	×
X 🕝 Share Browser WebEx 🔹			
	Caché Server Pages Web Gateway Management		^
Management System Status Close Connections Test Server Connection View Event Log View HTTP Trace Configuration Default Parameters Server Access Application Access About CSP Gateway	Application Access Application Path::::::::::::::::::::::::::::::::::::	нер r all	X

Figure 6-19: CSP Web Gateway configuration – Application Access

7. Click on **Test Server Connection**. If successful the following screen will appear similar to Figure 6-20.

Caché Server Pages: Web Gateway Hanagement - Windows Internet Explorer Image: Server Pages: Web Gateway Hanagement - Windows Internet Explorer Caché Server Pages: Web Gateway Hanagement - Windows Internet Explorer Image: Server Pages: Web Gateway Hanagement - Windows Internet Explorer Caché Server Pages: Web Gateway Hanagement - Windows Internet Explorer Image: Server Pages: Web Gateway Hanagement - Windows Internet Explorer X Share Browser WebEx •							
	Caché Server Pages Web Gateway Management	^					
Management System Status Close Connections Test Server Connection View Event Log View HTTP Trace Configuration Default Parameters Server Access Application Access About CSP Gateway	Caché Server Pages Version 2012.2.5.962.0 Test Server Connection Server connection test was successful: RPMS (10.0.1.120:1972) \$ZVersion: Cache for UNIX (Red Hat Enterprise Linux for x86-64) 2012.2.5 (Build 962U) Wed Jul 24 2013 21:04:59 EDT Copyright © 1997 - 2013 InterSystems Corporation						

Figure 6-20: CSP Web Gateway configuration – Test Server Connection

8. Enter the website link for the ED Dashboard from a workstation browser, for example: <u>http://10.24.196.43:57777/csp/busa/BUSA.MainReportPage.cls</u> and the page as shown in Figure 6-21 will appear.

8 http://10.24.19	6.43:57775/csp/busa/BL	ISA.MainReportPage	cls - Windows Internet	Explorer								
Color E http://10.24.196.43:57775/cop/busa/BUSA.MainReportPage.cls								• 🗟 😽 🗙 📴 Bing	p •			
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🚖 Favorites	C http://10.24.196.43	:57775/csp/busa/BU	SA.MainR								👌 * 🖾 * 🖾 📾 * Pag	ge 🔹 Safety 👻 Tools 👻 🔞 🛩 🦈
						BUSA	Audit L	ogging				Î
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#	DATE/TIME	USERNAME	DESCRIPTION	CATEGORY	ACTION	PATIENT	DATE/TIME	TYPE	CALL			
• [18					, ·
Done											🕤 Internet Protected Mode: On	√a • € 100% •

Figure 6-21: Sample BUSA Reporting page

Acronym List

API	Application Programming Interface
BUSA	IHS USER SECURITY AUDIT
CPU	Central Processing Unit
IHS	Indian Health Service
KIDS	Kernel Installation and Distribution System
MU	Meaningful Uss
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: <u>http://www.ihs.gov/helpdesk/</u>

Email: support@ihs.gov