



An Electronic Medical Record and Document Management Company

Draeger CIS-DataBridge [DSIHA 1.2]

INSTALLATION GUIDE

Installation Guide

Version Number 1.2

Aug 2013

Table of Contents

Pre/Post-Installation Considerations	4
Installation Procedure	5
1. LOAD TRANSPORT GLOBAL	6
2. SELECT Optional INSTALLATION OPTION(s)	7
3. INSTALL PACKAGE	7
Post-Installation Steps.....	10
Logical Link edit:.....	10
Do this for each Draeger Logical link!	10
Enable Logical Link:.....	12
Routine Summary	12

This build contains the CIS-DataBridge components for the Draeger Anesthesia Record Keeper (ARK) application. It allows Draeger ARK to send and receive HL7 messages and interface with Vista using the DSS VistA Gateway.

Pre/Post-Installation Considerations

This build **requires** the following patches/builds:

DSIH 1.8 (or higher)*.

* DSIH 1.9 adds the ability to send BCMA and consult order messages. Without DSIH 1.9, those messages will not be sent.

A new prompt has been added that will ask the installer whether they want to use the Radiology 2.3 or Radiology 2.4 protocol based on the whether Radiology patch 47 (RA*5*47) is installed in the environment. If the site has not installed patch 47 then the installer will not be presented with this prompt and the post install process will use the Radiology 2.3 protocol.

****NOTE****

If the site is going to use Radiology 2.4 HL7 messaging (patch RA*5*47 has been installed) and this is an existing DataBridge site then the installer needs to unsubscribe the 'DSIHA-ARK DATABRIDGE RAD CLIENT' from the DSIH DATABRIDGE RAD SERVER' before performing the installation. Also the DSIH DATABRIDGE RAD ROUTER needs to be unsubscribed from the RA RPT 2.3 event protocol before performing the install.

Conversely, if the site is going to use Radiology 2.3 HL7 messaging (patch RA*5*47 has not been installed) and the site was utilizing RAD 2.3 HL7 messaging then unsubscribing DSIH DATABRIDGE RAD ROUTER 2.4 from the RA RPT 2.4 event protocol is required.

If this is an existing DataBridge site that is rolling back from 2.4 to 2.3 then the installer needs to unsubscribe the 'DSIHA-ARK DATABRIDGE RAD CLIENT' from the DSIH DATABRIDGE RAD SERVER' before performing the installation. Also the DSIH DATABRIDGE RAD ROUTER 2.4 needs to be unsubscribed from the RA RPT 2.4 event protocol before performing the install.

For Existing CIS-DataBridge Sites:

=====

HL7 links should always be stopped before installing the DSIHA package. The pre/post installation will save off the link IP/Port settings, but to avoid message loss, the links themselves should be shut down.

There is a 'DSIH' Logical Link View that provides all of the Draeger-specific CIS-DataBridge link names. Using the HL MONITOR option, enter a 'V' – Views, at the 'Select a Command:' prompt and then type 'DSIH' to view the DSIH logical links. The links are namespaced according to the following rule:

DSIHAApp

A = Vendor specific character (A = Draeger)

A = ARK

app = VistA application for messages (ADT=ADT, AL1=Allergies, PS=Pharmacy, etc)

Unless ARK vendors are changing, then no special post-installation prompts apply. If ARK vendors are changing then the installer will be prompted to keep or replace the current vendor settings during installation.

For New CIS-DataBridge Sites:

=====

The post-installation for new sites will preset the parameters and HL7 components required for processing, but link definitions (assigning ports and IP addresses) must be set up by the site.

IRM must assign the secondary menu option DSIHA VISTA GATEWAY and the DSIHH key allocations (DSIHH SAVLINK, DSIHH ICULINK, DSIHH ADMIN and DSIHH DATALINK) to the appropriate Draeger users

Installation Procedure

This build may be installed with users on the system. It is recommended that users exit the CIS-DataBridge GUI while the install is taking place.

It is not necessary to disable any options in the DSIHA package. However, if this is an existing Draeger CIS-DataBridge site and the installation is going to be queued to run after hours then do not queue the install to run when any of the following queue options may be executing:

DSIHH HL7 MESSAGE PURGE

DSIHH AUTO CHECK LINKS

DSIHH HL7 STATUS UPDATE

Installation will take less than 1 minute to complete.

The pre-installation saves off the DSIHA logical link port/IP information for restoration after the install for existing sites. The post-install defines the Draeger CIS-DataBridge parameters, sets up and/or verifies the HL7 events and protocols for all sites and restores the logical link information for existing sites.

Software Retrieval:

The software is available from a DSS FTP directory. Sites will be provided the link, username and password to access the FTP site when they are authorized to install the software.

Below is a list of the files related to this package:

File Description
Oct 2013

File Name
DSIHA 1.2

FTP Mode
Page 5

CIS-DataBridge DSIHA zip file w/build DSIHA_1_2.zip (binary)

The DSIHA_1_2.zip file contains the following files:

File Name	Description
-----	-----
DSIHA_1_2.KID	KIDS file to install one KIDS build: DSIHA 1.2
DSIHA_1_2_ig.pdf	Installation guide
DSIHA_1_2_rn.pdf	Release notes

1. LOAD TRANSPORT GLOBAL

Retrieve the DSIHA_1_2.KID from the DSIHA_1_2.zip file.

Start up the Kernel Installation and Distribution System Menu
[XPD MAIN]:

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

Select Kernel Installation & Distribution System Option: INStallation

Load a Distribution
Print Transport Global
Compare Transport Global to Current System
Verify Checksums in Transport Global
Install Package(s)
Restart Install of Package(s)
Unload a Distribution
Backup a Transport Global

Select Installation Option: LOAD a Distribution

When prompted for "Enter a Host File:", enter the full directory
path where the host file DSIHA_1_2.KID was saved.
(e.g.,SYS\$SYSDEVICE:[ANONYMOUS]DSIHA_1_2.KID).

Enter a Host File: DSIHA_1_2.KID

KIDS Distribution saved on Mar 28, 2013@13:54:53
Comment: Ver 1.2 Draeger Sub-build DSIHA (T2)

This Distribution contains Transport Globals for the following
Package(s):
Build DSIHA 1.2
Distribution OK!

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

DSIHA 1.2
Use INSTALL NAME: DSIHA 1.2 to install this Distribution.

2. *SELECT Optional INSTALLATION OPTION(s)*

On the Installation Menu, the following are OPTIONAL:

- a. Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DD's or templates.
- b. Compare Transport Global to Current System - This option will allow the installer to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DD's, templates, etc.).
- c. Verify Checksums in Transport Global - This option will allow the installer to ensure the integrity of the routines that are included the transport global.

3. *INSTALL PACKAGE*

When prompted for Install Name, choose **DSIHA 1.2**

- a. Choose the **Install Package(s)** option to start the patch install.
- b. Install Questions for DSIHA 1.2

Want KIDS to Rebuild Menu Trees Upon Completion of Install? **NO//**

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

Want to DISABLE Scheduled Options, Menu Options, and Protocols? **NO//**

Enter the Device where to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME// [or select device for output]

Install Started for DSIHA 1.2 :
Mar 28, 2013@14:32:16

Build Distribution Date: Mar 28, 2013

Installing Routines:
Mar 28, 2013@14:32:16

Running Pre-Install Routine: PRE^DSIHAPST

Installing PACKAGE COMPONENTS:

Installing HL LOGICAL LINK

Installing PROTOCOL

Installing OPTION

Mar 28, 2013@14:32:16

Running Post-Install Routine: EN1^DSIHAPST

Select one of the following:

1	2.3
2	2.4

Please select your facility's current Radiology HL7 version: ?

Enter 1 for Radiology HL7 2.3 or 2 for Radiology HL7 2.4.

Select one of the following:

1	2.3
2	2.4

Please select your facility's current Radiology HL7 version: 2 2.4

DataBridge Protocols will be set up...

Restoring HL Logical Links Port and IP Address Information

Vendor Name is listed as: DRAEGER

Product Type is listed as: ARK

Vendor and associated Product Type are NOT Stored in the Parameters file
19670

Updating DRAEGER Components

Product Type - ARK set up for Vendor - DRAEGER

Logical Link view DSIH is PRESENT
Including logical links: SEQ#
DSIHAAADT 1

Logical Link view DSIH is PRESENT
Including logical links: SEQ#
DSIHAAAL1 2

Logical Link view DSIH is PRESENT
Including logical links: SEQ#
DSIHAALAB 3

Logical Link view DSIH is PRESENT
Including logical links: SEQ#
DSIHAARAD 6

Logical Link view DSIH is PRESENT
Including logical links: SEQ#
DSIHAASCH 7

Logical Link view DSIH is PRESENT
Including logical links: SEQ#
DSIHAAVITL 8

Configuring DRAEGER CLIENT SIU SERVERS AND CLIENTS PROTOCOLS:

6669, DSIHA-ARK DATABRIDGE SIU-S12 CLIENT
6670, DSIHA-ARK DATABRIDGE SIU-S13 CLIENT
6671, DSIHA-ARK DATABRIDGE SIU-S14 CLIENT
6672, DSIHA-ARK DATABRIDGE SIU-S15 CLIENT
6668, DSIHA-ARK DATABRIDGE SIU-S17 CLIENT

Configuring DRAEGER CLIENT Surgery Message PROTOCOLS:

6673, DSIHA-ARK DATABRIDGE SURG ORU CLIENT

Configuring DRAEGER CLIENT ORU SURGICAL PROTOCOLS:

6673, DSIHA-ARK DATABRIDGE SURG ORU CLIENT

Configuring DRAEGER CLIENT ADT SERVERS AND CLIENTS PROTOCOLS:

6674, DSIHA-ARK DATABRIDGE ADT-A01 CLIENT
6675, DSIHA-ARK DATABRIDGE ADT-A02 CLIENT
6676, DSIHA-ARK DATABRIDGE ADT-A03 CLIENT
6677, DSIHA-ARK DATABRIDGE ADT-A04 CLIENT
6678, DSIHA-ARK DATABRIDGE ADT-A08 CLIENT
6679, DSIHA-ARK DATABRIDGE ADT-A11 CLIENT
6680, DSIHA-ARK DATABRIDGE ADT-A12 CLIENT
6681, DSIHA-ARK DATABRIDGE ADT-A13 CLIENT

Configuring DRAEGER CLIENT LAB SERVER AND CLIENT PROTOCOLS:

6689, DSIHA-ARK DATABRIDGE LAB CLIENT

Radiology Patch 47 is installed at this site
Based on the installers input the 2.4 RAD event was subscribed for
DataBridge.

Configuring DRAEGER CLIENT RAD CLIENT PROTOCOLS:

6682, DSIHA-ARK DATABRIDGE RAD CLIENT

Configuring DRAEGER CLIENT VITALS CLIENT PROTOCOLS:

6683, DSIHA-ARK DATABRIDGE VITALS CLIENT

Configuring DRAEGER CLIENT ALLERGY CLIENTS PROTOCOLS:

```
6684,      DSIHA-ARK DATABRIDGE ORU R01 AL1 CLIENT
6685,      DSIHA-ARK DATABRIDGE ORU R01 ADAS CLIENT
6686,      DSIHA-ARK DATABRIDGE ORU R01 ADREAC CLIENT
```

Deactivating DRAEGER Clients that are not needed

Updating Routine file...

Updating KIDS files...

DSIHA 1.2 Installed.

Mar 28, 2013@14:32:18

No link to PACKAGE file

NO Install Message sent

Post-Installation Steps

1. On an existing Draeger CIS-DataBridge site each logical link that was saved during the pre-install – IP address and port number defined – will be restored and their ‘State’ and ‘Autostart’ fields will be set to ‘Enabled’.
2. For new sites, assign the secondary menu option DSIHA VISTA GATEWAY to the appropriate Draeger users, edit each Logical Link to add the correct IP and Port# and then start the link.
 - a. Adding the menu option can be accomplished via the Edit Existing Users option on the User Management menu.
 - b. Allocating the key assignments can be accomplished via the Allocation of Security Keys option on the Key Management menu.
 - c. Editing the IP/Port for the Logical Link can be accomplished via the ‘HL EDIT LOGICAL LINKS’ within the ‘HL7 Main Menu’ option. The procedures to perform this task are noted within the ‘Logical Link edit’ section below.
 - d. Next start the link when messages are ready to be sent. This can be accomplished via ‘START/STOP LINKS’ within the ‘HL7 Main Menu’. The procedures to perform this task are noted within the ‘Enable Logical Link’ section below
3. DSIHA security keys should be assigned to the appropriate users.

Logical Link edit:

Do this for each Draeger Logical link!

From the HL7 Main Menu Option :

```
Systems Link Monitor
Filer and Link Management Options ...
Message Management Options ...
Interface Developer Options ...
```

Site Parameter Edit

Select HL7 Main Menu Option: Filer and Link Management Options

SM	Systems Link Monitor
FM	Monitor, Start, Stop Filers
LM	TCP Link Manager Start/Stop
SA	Stop All Messaging Background Processes
RA	Restart/Start All Links and Filers
DF	Default Filers Startup
SL	Start/Stop Links
PI	Ping (TCP Only)
ED	Link Edit
ER	Link Errors ...

Select Filer and Link Management Options Option: **ED** Link Edit

Select HL LOGICAL LINK NODE: **DSIHAALAB**

HL7 LOGICAL LINK	

NODE: DSIHAALAB	
INSTITUTION:	
MAILMAN DOMAIN:	
AUTOSTART: Enabled	
QUEUE SIZE: 10	
LLP TYPE: TCP	[enter here for next page]
DNS DOMAIN:	

COMMAND:	Press <PF1>H for help Insert

-----TCP LOWER LEVEL PARAMETERS-----	
DSIHAALAB	
TCP/IP SERVICE TYPE: CLIENT (SENDER)	
TCP/IP ADDRESS: 10.4.33.101	
TCP/IP PORT: 1882	
TCP/IP PORT (OPTIMIZED):	
ACK TIMEOUT: 20	RE-TRANSMISSION ATTEMPTS: 2
READ TIMEOUT: 2	EXCEED RE-TRANSMIT ACTION: restart
BLOCK SIZE:	SAY HELO:
	TCP/IP OPENFAIL TIMEOUT:
STARTUP NODE:	PERSISTENT: NO
RETENTION: 30	UNI-DIRECTIONAL WAIT:

COMMAND:	Press <PF1>H for help Insert

Enable Logical Link:

From the HL7 Main Menu Option :

```
Systems Link Monitor
Filer and Link Management Options ...
Message Management Options ...
Interface Developer Options ...
Site Parameter Edit
```

Select HL7 Main Menu Option: **Filer** and Link Management Options

```
SM      Systems Link Monitor
FM      Monitor, Start, Stop Filers
LM      TCP Link Manager Start/Stop
SA      Stop All Messaging Background Processes
RA      Restart/Start All Links and Filers
DF      Default Filers Startup
SL      Start/Stop Links
PI      Ping (TCP Only)
ED      Link Edit
ER      Link Errors ...
```

Select Filer and Link Management Options Option: **SL** Start/Stop Links

This option is used to launch the lower level protocol for the appropriate device. Please select the node with which you want to communicate

Select HL LOGICAL LINK NODE: **DSIHAALAB**

The LLP was last shutdown on JAN 02, 2013 10:22:51.

This LLP has been enabled!

Routine Summary

See DSIH_1_9_tm.pdf for the full Technical Manual for this build.

The following is a list of the routine(s) included in this build.

The second line of each routine will look as follows.

;1.2;DATA BRIDGE;;Mar 27, 2013;Build 2

Before and after checksums are available for existing Draeger CIS-DATABRIDGE sites running DSIHA 1.2. Some sites may be on a previous DSIHA build so the 'Before' checksums may not match. If this is a new Draeger CIS-DATABRIDGE site then 'Before' checksums will not be available. There is no Patch list since this is a full build and not a patch.

Routine	Before Build	After Build
DSIHA	224249	224249
DSIHAIN	6080	6080
DSIHAPST	24927	73613

SUPPORT CONTACT INFORMATION

HELP DESK (561) 284-7200
HOURS OF OPERATION 8:00 AM TO 7:00 PM (EST)
AFTER-HOURS SUPPORT (561) 284-7200 Option 1