

MUCH MORE
THAN I.T.

POSSIBILITY

HIE Connect

Project Management and Technical Solution





Matt Leyva

- Consultant with Galen Healthcare Solutions
 - Over 15 years of Project Management experience, with current focus being HIE implementation.



Anyssa Buchanan

- Associate Technical Consultant with Galen Healthcare Solutions
 - Currently supporting North Carolina HIE initiative.

Your phone has been automatically muted. Please use the Q&A panel to ask questions during the presentation.

The screenshot shows a Cisco WebEx Event Center window titled "Cisco WebEx Event Center - Dry Run - charge". The main content area displays a presentation slide with the following text:

Embrace the new world of healthcare

GALEN HEALTHCARE SOLUTIONS

The webcast will begin momentarily...

PROFESSIONAL Services

Project Assessment
Galen can leverage its extensive EHR experience to appraise the condition of your EHR rollout. Drawing on its history of leading successful EHR deployments, Galen will identify areas of weakness to mitigate risk and put the project back on track.

- Evaluate Current State
- Review Organizational Goals
- Create Road Map to Success

Project Management
Galen provides project management solutions to help ensure your EHR rollout success. Galen will provide your organization with the experience necessary to identify, reduce and eliminate project risks.

- Implementation Management
- Resource Management
- Project Plan Design and Execution
- Site Preparation

Implementation Services
Galen's keen understanding of EHR functionality and technical infrastructure uniquely positions it to positively impact every aspect of the EHR implementation process.

- Review and Document Current State Workflows
- Evaluate Design Requirements
- Develop Future State Design

Connecting Community Healthcare
Galen understands the challenges that come with extending your EHR to physicians outside of your organization. Whether you're taking advantage of Stark Relaxation or just trying to provide a way for community physicians to get a complete view of their patients, Galen can help you through the process. Together, we can review your unique situation and help structure an EHR that creates a seamless community connection.

vitalcenter **GALEN**

On the right side of the interface, there are two panels: "Participants" and "Q&A". The "Q&A" panel is highlighted with a red border and contains a "Collapse the panel" button. Below the Q&A panel, there is an "Ask:" dropdown menu set to "All Panelists" and a "Send" button. A red arrow points from the main content area towards the Q&A panel.

Agenda Items

HIE Connect

- HIE Defined
- HIE Benefits

HIE Process

- The Galen Solution

HIE Solution

Demonstration

HIE Connect

HIE: Health Information Exchange

- Allows medical professionals & health care providers to access & share a patient's medical information electronically
- Improves efficiency
- Improves the communication between provider-patient care

HIE Connect

HIE Benefits

- Avoid medical errors
- Improves diagnoses
- Decrease duplicate testing
- Increases practice efficiency

HIE Process

Why Galen

- Experience
- Financial Benefits
- Support



HIE Solution

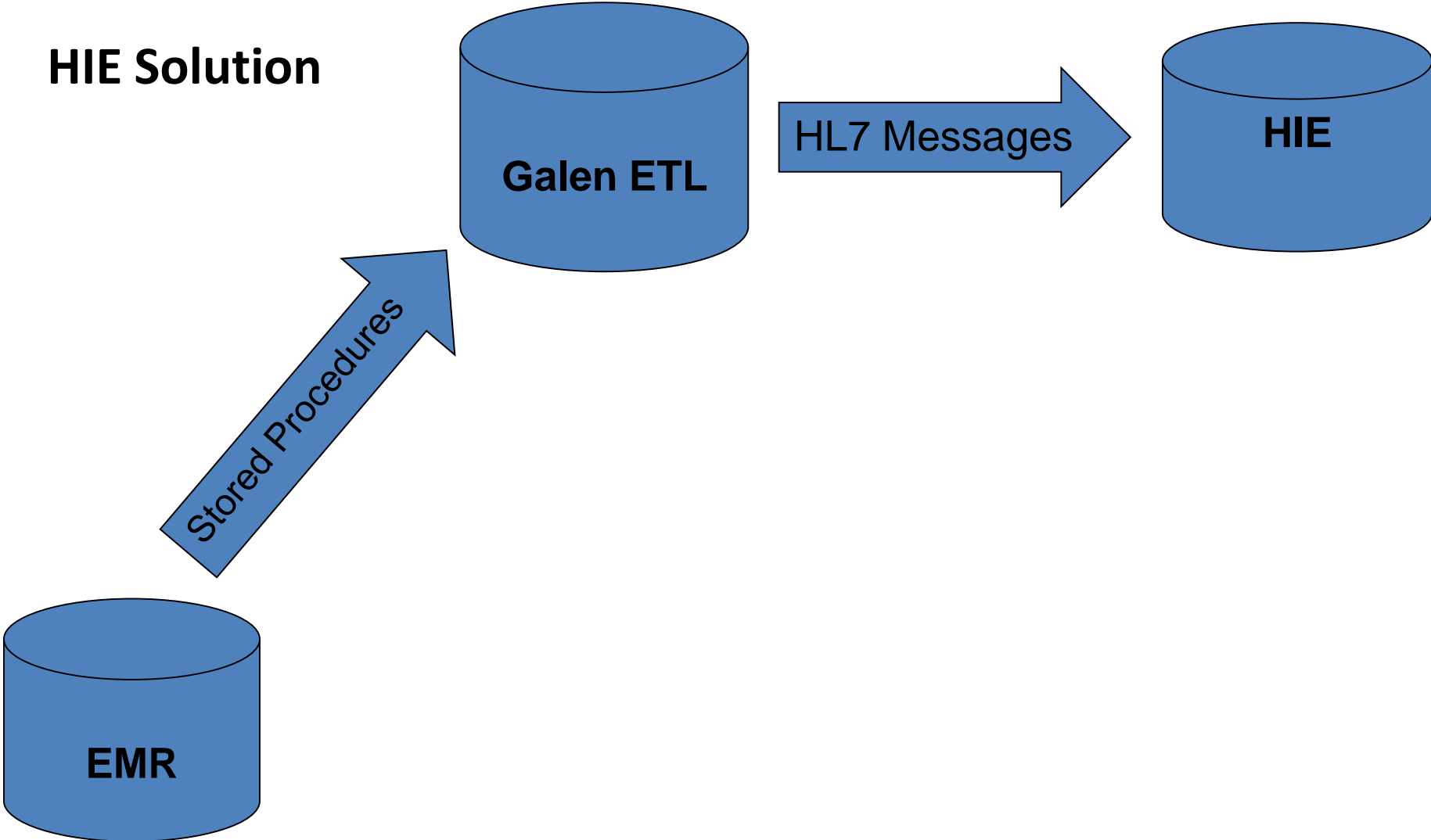
Technical Steps

- Installation of GalenETL
- Staging of Data
- Generation of HL7 messages
- Sending of messages for validation

Challenges

- Obtaining necessary permissions
- Learning new EHRs
- Finding the EHR Database
- Determining what clinical data was actually present

HIE Solution



HIE Solution

EMRs

- Allscripts (PM, MyWay, Pro, Touchworks)
- Epic
- MEDITECH
- Aprima
- Greenway (Primesuite)
- GE (Centricity, Flowcast, Logician)
- Sage (Med Manager)
- AmazingCharts
- e-MDs
- eCW
- American Medical Software
- Healthpac
- Misys (EMR)
- Merge (OrthoPac)
- SRSSOFT
- Practice Partners
- NextGen
- CPSI

HIE Solution

How to be Successful

- Establish a plan of action
- Update process steps with latest finds
- Communication is key
- Share Solutions
- Consolidating EHR scripts into one location
- Documentation

Demonstration

Output

- **HL7 Messages:** Allergies, Appointments, Charges, Documents, Encounters, Immunizations, Medications, Results, Vitals, Social History
- **CCDs**

Ex: Vitals message

```
MSH|^~\&|GalenETL|SITE CODE|CCNC||DATE/TIME OF MESSAGE||ADT^A28|SourceVisitID|P|2.5
PID|1||Patient-MRN^^^SITE CODE^MR||LAST NAME^FIRST NAME^MIDDLE INT||DOB|F|||ADDRESS-CITY-
STATE||HOME PHONE|||||SSN
PV1|1|O|SITE NAME^^^SITE CODE||||PROVIDER CODE^PROVIDER LAST NAME^PROVIDER FIRST
NAME^^^^SFM-1^^^DN|||||||ZZZZZ01RU3^^^SFM-1^VN|||||||PERFORMED DTTM
OBX|1|NM|8462-4^BLOOD PRESSURE DIASTOLIC^LOINC^BP-D^BLOOD PRESSURE
DIASTOLIC^L||110|000000006C^mm Mercury^L||||F|||PERFORMED DTTM
OBX|2|NM|3137-7^Height^LOINC^0000000005^Height^L||63|000000008Z^inches^L||||F|||PERFORMED DTTM
OBX|3|NM|8310-
5^Temperature^LOINC^0000000008^Temperature^L||97.9|000000006B^Fahrenheit^L||||F|||PERFORMED DTTM
OBX|4|NM|8341-0^Weight^LOINC^0000000007^Weight^L||184|000000006A^pounds^L||||F|||PERFORMED DTTM
OBX|5|NM|8867-4^Pulse^LOINC^000000000A^Pulse^L||68|000000006D^beats per min^L||||F|||PERFORMED
DTTM
OBX|6|NM|8480-6^BLOOD PRESSURE SYSTOLIC^LOINC^BP-S^BLOOD PRESSURE
SYSTOLIC^L||56|000000006C^mm Mercury^L||||F|||PERFORMED DTTM
```

Demonstration

Audit Table – Generating & Exporting of HL7 Message Files

Id	JobId	QueueId	ItemId	PluginId	Action	TargetInstanceld	Error	Message	Occurred
1343652	13	2593086	62B90256-E6D6-464E-8770-B86452CD8618	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01KGX	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343653	13	2593070	224A5990-B29C-42E0-90B6-EA700957FF3C	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01CGT	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343654	13	2593071	3F9867D3-7B58-42CD-8222-D8F1466496B2	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01NAS	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343655	13	2593091	9C1AFDCB-E1A2-4858-967D-EADA17D687F1	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01YWD	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343656	13	2593084	0EFE5888-2701-45B7-B341-93ADA9969EAC	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01S15	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343657	13	2593074	342DD315-1D74-47BA-98FD-6924AFED86D3	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01KB4	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343658	13	2593088	A1094F9C-317C-4B8A-A482-A26850099F6A	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ02247	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343659	13	2593085	0F28C9B1-2140-4D73-9DCF-F71CC008F2EA	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01Y7C	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343660	13	2593092	00810E54-E4E7-4614-AF71-8548C77C4D0D	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ025IQ	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343661	13	2593103	1207785B-0980-459A-969C-05BAFF681F2F	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01XJI	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343662	13	2593107	8E4D84DD-2D44-41D2-84B3-2BA683984ED1	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01YVR	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343663	13	2593083	27E4B06F-8F9C-4AC1-8A0F-E3BB9874F179	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01NG7	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343664	13	2593098	4276C4A6-0519-4219-8F93-8F87023754DB	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01IA2	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343665	13	2593075	5F3288F1-25DE-4DE9-92F5-CA988600AD42	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01ZYI	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343666	13	2593068	BE09C008-9BEF-4717-9C04-0BC85BBFCE94	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ026DC	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343667	13	2593076	0F9FD948-F48A-4E24-8440-B92095A44C9A	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01U54	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343668	13	2593079	87BAC149-96F1-40FB-B224-DF531D6EB698	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ020SP	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343669	13	2593090	8B3B0021-1E33-4988-A515-5BF6C1B7A971	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01XV5	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343670	13	2593100	1C4EE1FA-57AE-4147-998A-38DA06CAEFBC	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01KCS	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000
1343671	13	2593106	7AB268FC-FC9C-4186-B19E-060CBA80A8BA	2E05A340-C568-4437-8F6E-4E4348494503	Load	ZZZZ01KXY	NULL	OrionHie Vital Loader Plugin Created Orion HIE H...	2015-09-21 09:23:01.000

Demonstration

Audit Table – Generating & Exporting of HL7 Message Files

JobId	Que...	ItemId	PluginId	Action	TargetInstanceId	Error	Message	Occurred
1	NULL	FDC9EA14-7850-4AC9-AF31...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	fdc9ea14-7850-4ac9-af31-fbf1...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:13:24.000
1	NULL	F840DAE8-7463-4DD8-8F92...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	f840dae8-7463-4dd8-8f92-e0fe...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:13:30.000
1	NULL	60F9A717-32F3-463F-887B-...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	60f9a717-32f3-463f-887b-fd58...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:13:36.000
1	NULL	73E01AA9-7F7F-4B13-A47F-...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	73e01aa9-7f7f-4b13-a47f-e29a...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:13:45.000
1	NULL	83B3FF94-84AF-444A-9AC3-...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	83b3ff94-84af-4a4a-9ac3-f5ec...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:13:46.000
1	NULL	2332B6B3-C06D-4DF0-8C97...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	2332b6b3-c06d-4df0-8c97-ead...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:13:52.000
1	NULL	79A345EB-C003-4C9E-90DB-...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	79a345eb-c003-4c9e-90db-ee...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:13:59.000
1	NULL	6B2C6EB9-6C1A-4F03-9C30...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	6b2c6eb9-6c1a-4f03-9c30-fb0...	NULL	File uploaded to Galen FileCollector	2015-07-28 15:14:05.000
1	NULL	7224EBB8-2A56-4069-89DD...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	NULL	DOTNET_EXCEPTION	Failed to upload file to Galen File Colle...	2015-07-28 15:31:09.000
1	NULL	7224EBB8-2A56-4069-89DD...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	NULL	DOTNET_EXCEPTION	Failed to upload file to Galen File Colle...	2015-07-29 09:52:55.000
1	NULL	979D1320-6065-4DCB-AA61...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	979d1320-6065-4dcb-aa61-47...	NULL	File uploaded to Galen FileCollector	2015-07-29 09:53:25.000
1	NULL	BE369484-D5E8-4FAF-A293...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	be369484-d5e8-4faf-a293-170...	NULL	File uploaded to Galen FileCollector	2015-07-29 09:53:27.000
1	NULL	7224EBB8-2A56-4069-89DD...	ECB6E8E0-D79B-4D4D-A42C-FADF20126...	Load	NULL	DOTNET_EXCEPTION	Failed to upload file to Galen File Colle...	2015-07-29 13:05:57.000

Q&A

❖ Question Review

- Submit further questions to education@galenhealthcare.com
- Visit <http://galenhealthcare.com/calendar/> for future webcasts
- Slides and Q&A will be posted at <http://wiki.galenhealthcare.com>

Thank you for joining us today.
For additional assistance contact us through our website at
www.galenhealthcare.com

The screenshot shows the Galen Healthcare Solutions website. At the top left is the logo. The top navigation bar includes links for Blog, Wiki, Webcasts, Forum, Careers, and a search bar. A secondary navigation bar contains 'Who We Serve', 'Products & Services', 'Knowledge Center', and 'Company'. The 'Company' dropdown menu is open, showing 'Executive Team', 'Careers', and 'Contact Us'. On the left sidebar, there are buttons for 'Who We Serve', 'Products & Services', 'Knowledge Center', and 'Company'. Under 'Company', there are links for 'Executive Team', 'Careers', and 'Contact Us'. Below these is a 'Work for Galen' button with an icon of three people. At the bottom of the sidebar is a 'vitalcenter' logo with the text 'Your Business Continuity Solution'. The main content area features a 'Contact Us' heading and a photograph of four healthcare professionals. Below the photo is a contact form with the following fields: 'First Name *', 'Last Name *', 'Company *', 'Phone *', 'Email *', 'City *', and 'State/Province *'. A 'Details' section with a text area is located below the 'State/Province' field.