

Rhapsody Webcast Series: Making the Switch from CxR to CIE

Chicago, IL

July 2013





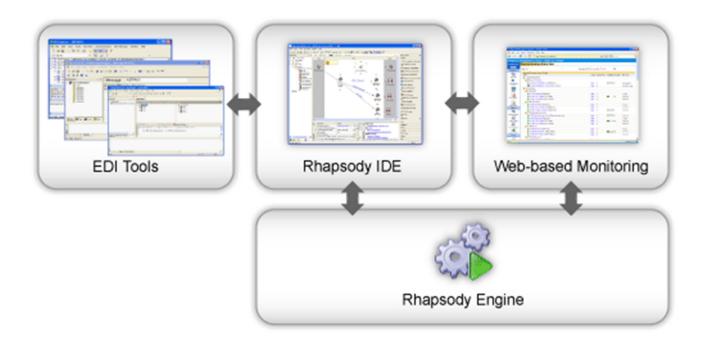
Outline

- Introduction
- Key Comparisons
 - Architecture
 - Messages
 - Monitoring
 - Communication
 - Mapping
 - Data Manipulation
 - Environment Variables
- CIE Demo of a PM Interface
- Summary
- RhaptoR Migration Utility
- Q & A





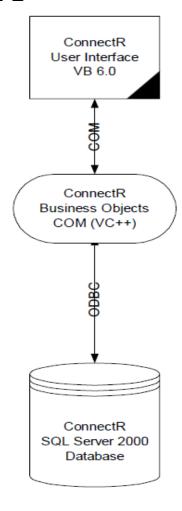
Rhapsody Architecture







ConnectR Architecture







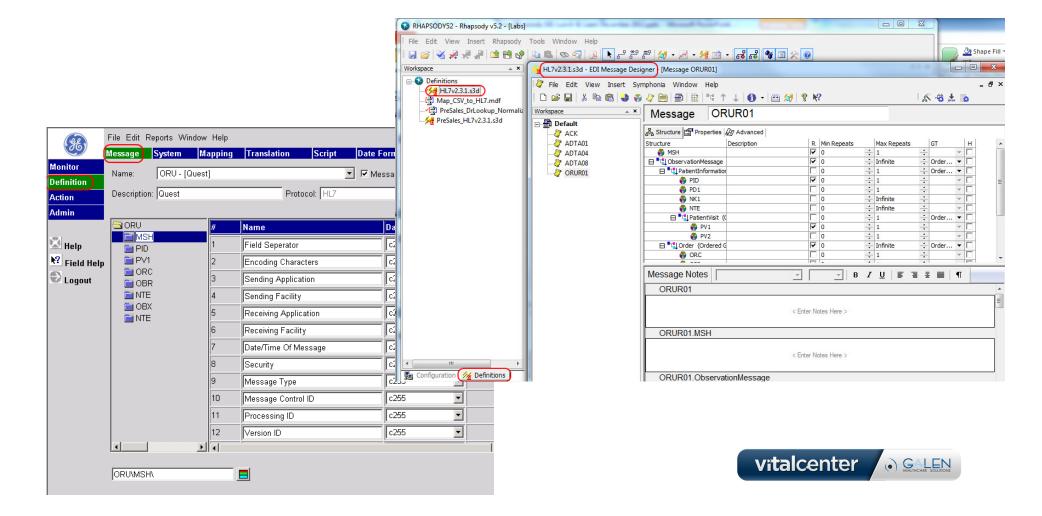
Messages

- The basic unit of data processed by Rhapsody.
- May contain arbitrary binary data, but frequently conforms to a messaging standard:
 - ASTM
 - HL7
 - EDIFACT
 - X.12
 - HIPAA
 - XML
 - User-defined flat file structure
 - NCPDP



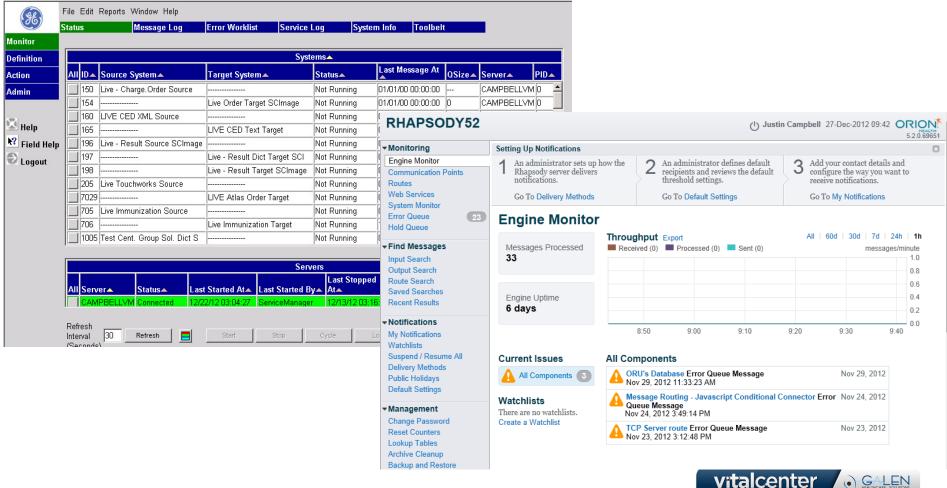


Message <-> Message Definition



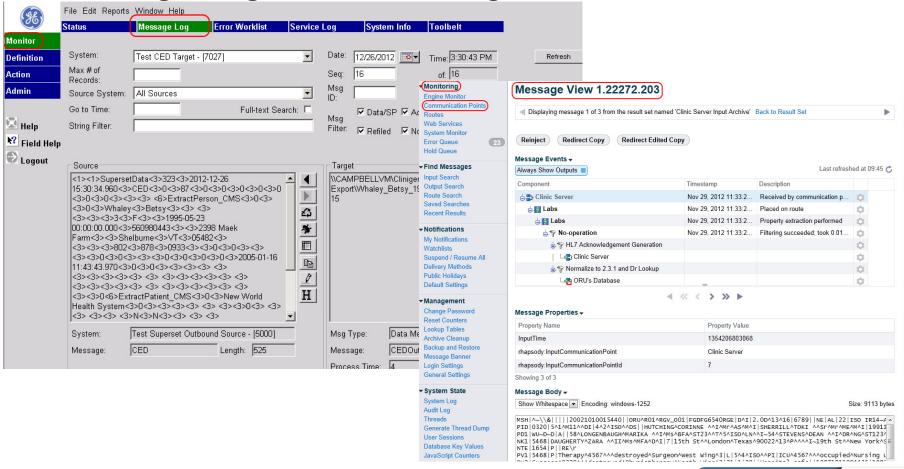


Monitoring <-> Rhapsody Management Console





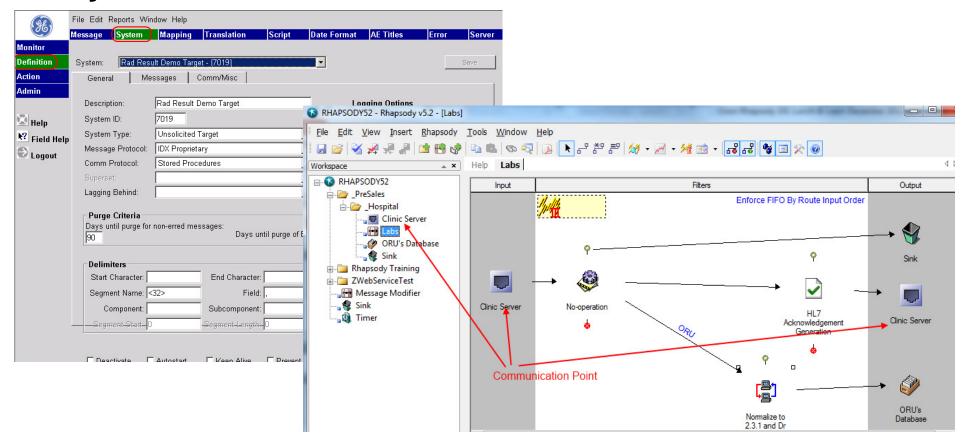
Message Log <-> Monitoring – Comm Point/Route







Systems <-> Communication Points



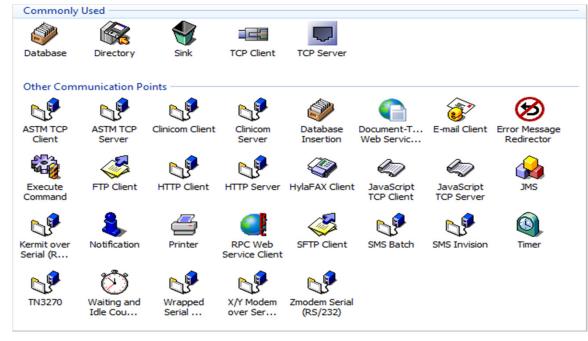




Communication Points

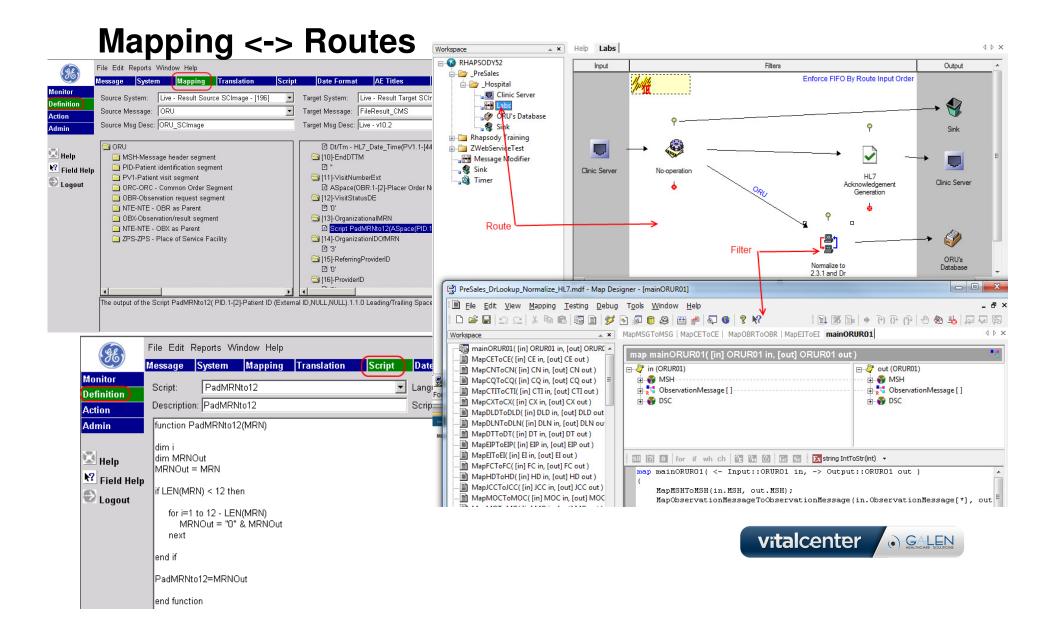
Numerous protocols are available, including:

- TCP Client/Server
- HTTP Server/Client
- Database
- File and Email
- Web Services
- FTP/SFTP
- Command-line programs











Data Manipulation

- Filters
- Connectors
- Lookup Tables



Common Filters

No-operation

Passes all messages (unchanged) from input to output.

JavaScript

 Executes the JavaScript to process messages as they pass through the Rhapsody engine.

Mapper

Maps one or more input messages to an output message.

Database Lookup

 Enables information to be retrieved from JDBC-accessible data sources and inserts that information into the message in accordance with its message properties.



Connectors

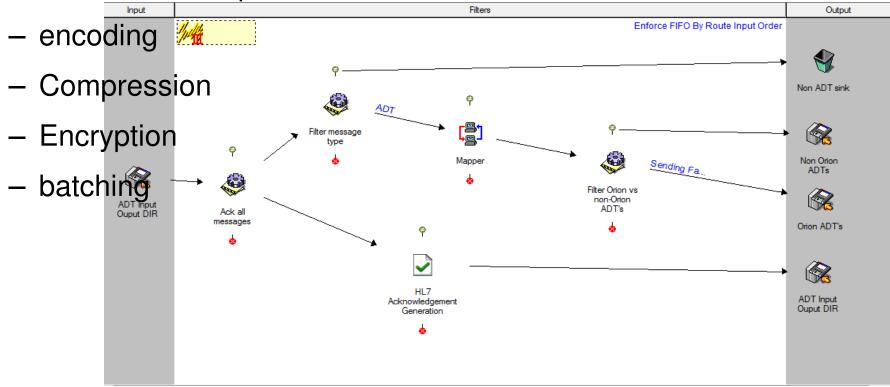
- Determines the direction and flow of messages through the route
 - From the Input communication point
 - Through any configured filters
 - To the Output communication point
- Three types of connectors
 - Standard
 - Conditional
 - JavaScript





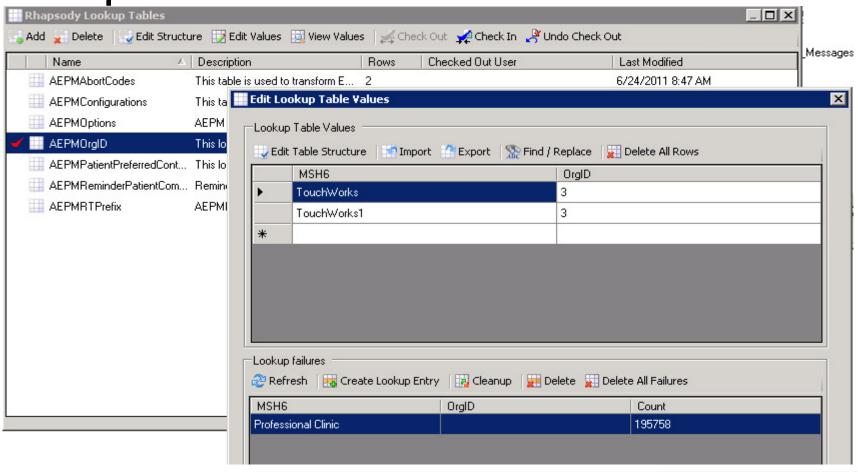
Filters and Connectors in a Route

- mapping,
- code translation
- database lookup





Lookup Tables



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Environment Variable

- Enables properties used in multiple places or environments to be easily changed.
 - For example, Development, Test and Production.



Demonstration

PM to EHR interface in CIE





Summary

- Benefits of CIE
 - User friendly Web Management console
 - Easier to maintain and monitor
 - Control Management
 - Robust Documentation
 - Improvements and Updates
 - Performance
- http://www.orionhealth.com/rhapsody-integration-engine/advantages
- http://www.orionhealth.com/rhapsody-integration-engine/features





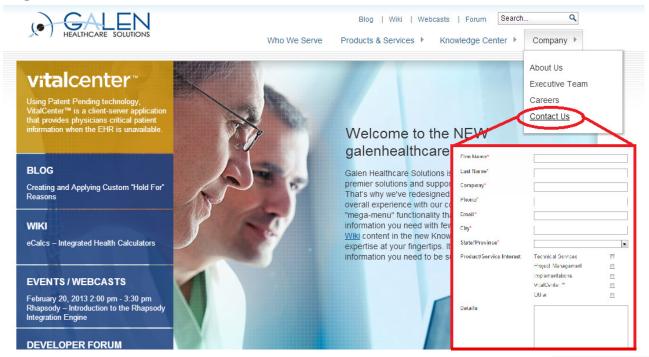
RhaptoR

- Standard and custom message definitions to s3d
- Mapping definitions to Rhapsody Mapper Filter definition
- Translation tables to Lookup tables
- VBscripts to Javascript filters



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Questions?

