

Leading the **Integration** Revolution

Your business problems have changed.
Why hasn't your integration solution?



ADEPTIA

Use Case: HL7 Integration

Integrate HL7 Messages with your Enterprise systems using:

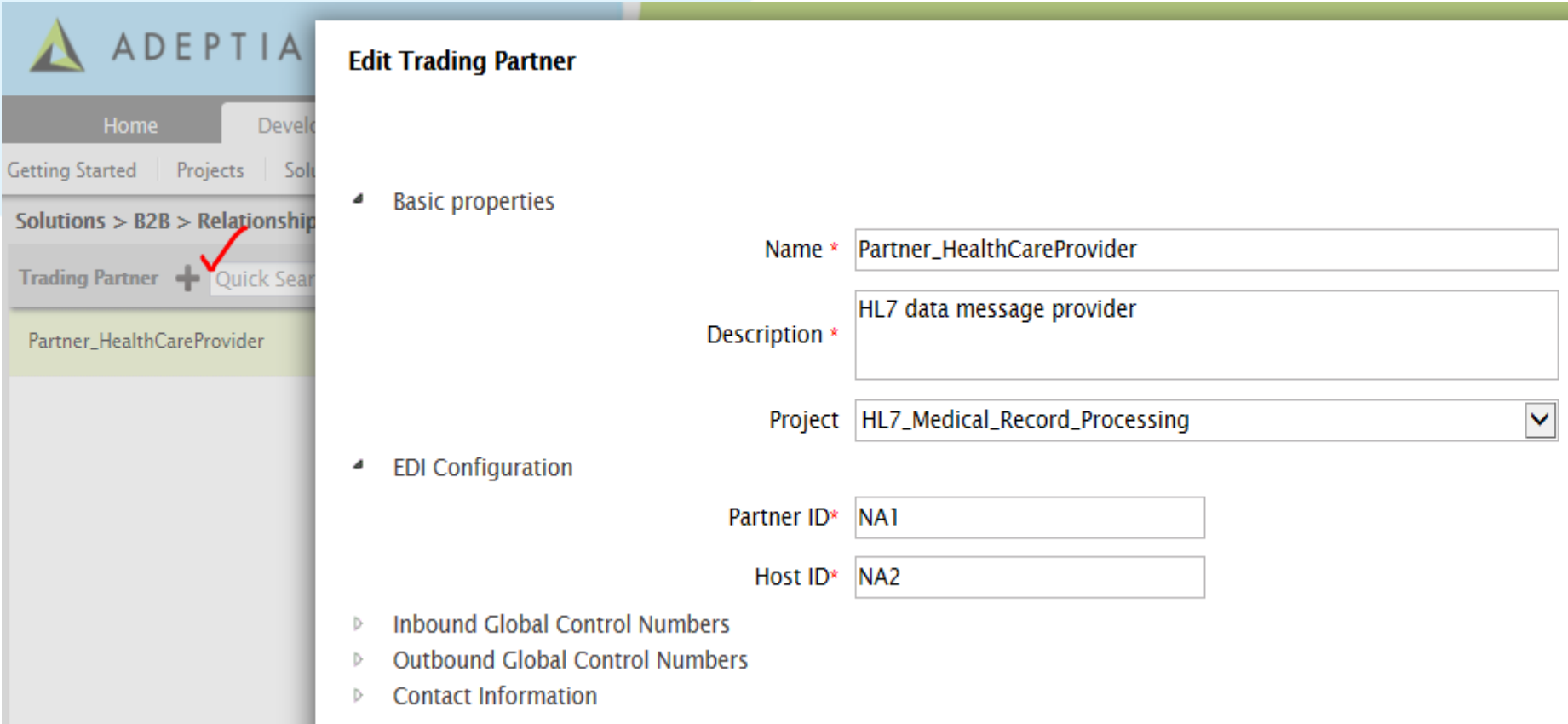
1. B2B Trading Partner Management
2. Custom designed orchestrations

B2B Trading Partner Management

B2B Trading Partner setup

Develop > Solutions > B2B Relationships

Also refer to the B2B User Guide available here: <http://www.adeptia.com/resource/tech-docs.html>



The screenshot displays the ADEPTIA web application interface. On the left, a navigation menu shows the path: Home > Develop > Solutions > B2B > Relationships > Trading Partner. The 'Trading Partner' link is highlighted with a red checkmark. Below the menu, the selected trading partner 'Partner_HealthCareProvider' is listed. The main content area is titled 'Edit Trading Partner' and is divided into sections:

- Basic properties**
 - Name *: Partner_HealthCareProvider
 - Description *: HL7 data message provider
 - Project: HL7_Medical_Record_Processing (dropdown menu)
- EDI Configuration**
 - Partner ID*: NA1
 - Host ID*: NA2
 - Inbound Global Control Numbers
 - Outbound Global Control Numbers
 - Contact Information

B2B Trading Partner setup: Create Event

Develop > Events > File

Home | **Develop** | Monitor | Administer

Getting Started | Projects | Solutions ▾ | Process ▾ | Services ▾ | Events ▾ | Web Forms | Reports and Dashboards ▾

Events > File

Delete Activate Deactivate Create New

<input type="checkbox"/>	Name	Description	Owner	PF	Project Name	Modified ▾
<input type="checkbox"/>	<input checked="" type="checkbox"/> HL7_Partner1	HL7 trigger	demouser	View	HL7_Medical_Record_Pro...	12/15/13 08:31

Properties

Name*

Description*

Trigger Type*

Check for File Modification

File Include Criteria*

File Exclude Criteria

File Base Location*

Use VFS*

B2B Trading Partner setup: Select HL7 Transaction Schema

Develop > Services > Schema > EDI

Services > Schema > EDI ✓

Name	Description	Owner	Project Name
ORU_Message ✓	Message schema	demouser	HL7_Medical_Record...

Select the Transaction from the list of HL7 messages from the Data Dictionary.

Please contact Support to get access to HL7 dictionary.

Edit EDI Schema: ORU_Message

Standard Properties

Name*

Description*

Data Dictionary* **Select Transaction**

Separator Definition

Segment Definition

#	EDI Specification	Description	Transaction Set	Action
1	ORU_R01.xsd ✓	Order response (also RRE, RRD, RRG, RRA)	ORU_R01	Delete

B2B Trading Partner setup: Target Database schema

Develop > Services > Schema > Adv Database Schema

Services > Schema > Adv. Database ✓

Delete Refresh + Create New Quick Se

Name	Description	Owner	Project Name
PatientDataSchema ✓	Patient results data schema Edit Advance Database Schema: PatientDataSchema	demouser	HL7_Medical_Record...

Standard Properties

Name* PatientDataSchema X

Description* Patient results data schema

Database Info PatientDataConnection V

Definition Mode* Import XSD File Use Database Table

XSD File Browse...

Add Root Table

Query:	SELECT FirstName,LastName,SS	Browse Tables	PK's: :	Remove	Add Child Table
Query:	SELECT PID,LabTest,PhysicianNa	Browse Tables	PK's: :	Remove	Add Child Table
Query:	SELECT PID,ResultDesc,ResultSp	Browse Tables	PK's: :	Remove	Add Child Table

As a prerequisite you would need to create a DB Info. Refer to the video.

B2B Trading Partner setup: Adv Database Target

Develop > Services > Target > Adv Database

The screenshot shows the Adeptia web interface. At the top, there are navigation tabs: Home, Develop (selected), Monitor, and Administer. Below these are menu items: Getting Started, Projects, Solutions, Process, Services, Events, Web Forms, and Reports and Dashboards. The breadcrumb path is Services > Target > Adv. Database. A table lists the database targets, with 'PatientdataTarget' selected. Below the table, the 'Edit Advanced Database Target: PatientdataTarget' form is shown. The form includes fields for Name, Description, Database Info, and Schema Name, each with a red checkmark. The Database Operation is set to Insert.

Name	Description	Owner	Project Name
PatientdataTarget	database target	demouser	HL7_Medical_Record...

Edit Advanced Database Target: PatientdataTarget

Standard Properties

Name* PatientdataTarget

Description* database target

Database Info* PatientDataConnection

Schema Name* PatientDataSchema

Database Operation* Insert Update Insert/Update Update/Insert

B2B Trading Partner setup: HL7 to Database Mapping

Develop > Services > Data Transformation > Mapping

Name	Description	Owner	Project Name
HL7_ORU_Mapping	Mapping of HL7 ORU to database	demouser	HL7_Medical_Record...

Refer to the video on how to map business rules.

B2B Trading Partner setup: Configuring Relationship

Develop > Solutions > B2B > Relationships

Name	Description	Owner	Project Name	Document Type	Data Format
ORU_Message_processing	Observation results translation	demou...	HL7_Medical_...		HL7

Edit Routing Relationship: ORU_Message_processing

Standard properties

Name*

Description*

Project

Partner (Sender)

Sender Format Type*

Document Type

Document Version

Skip Compliance Check

Event Type* Host (Receiver)

Event Service*

Decrypt Source File

Data Security

Select the activities defined in the previous steps in this form:

1. Event
2. Mapping,
3. Target

Partner Identifier

Identifier1 value

Identifier2 value

Process Flow*

Processing Mode* Transform Route

Mapping*

Target Type*

Target Service*

B2B Trading Partner: Monitor Inbound/Outbound Messages

Home Develop **Monitor** Administer

My Tasks My Documents Dashboard Reports History My Solutions

History > **B2B Logs**

B2B Logs

Interchanges

ALL X12 EDIFACT OTHERS

Log Date : From 12/15/2013 hr 00 To 12/15/2013 hr 23

-- Select -- View Archive Search

AuditLog | ViewData | ErrorLog | Acknowledgment | Resubmit

Transmission ID	Partner Name	Receiver ID	Sender ID	Document Type	Status	LogMessage
192168001039138712173303800845	Partner_HealthCareProvider				SENT	Translation completed successfully without any error(
192168001039138712117303800681	Partner_HealthCareProvider				SENT	Translation completed successfully without any error(
192168001039138712113310700517	Partner_HealthCareProvider				SENT	Translation completed successfully without any error(
192168001039138712093303800353	Partner_HealthCareProvider				SENT	Translation completed successfully without any error(

Home Develop Monitor Administer

My Tasks My Documents Dashboard Reports History My Solutions

Dashboard > Events

4	HL7_Partner1	FileEvent	12/15/2013 09:25:33	12/15/2013 09:25:33	B2BI_Default	B2BI_Default	Executed
5	HL7_Partner1	FileEvent	12/15/2013 09:22:13	12/15/2013 09:22:13	B2BI_Default	B2BI_Default	Executed

Active Events - Five Next | ALL

#	Event Name	Event Type	Polling	Last Trigger Time	Next Trigger Time	Process Name
1	FulfillmentWebService	WsProvider	N/A	N/A	N/A	FulfillmentWebService_subprocess
2	AssetAllocationRequest	Form	N/A	N/A	N/A	AssetAllocationReportingFlow
3	WireTransferReportRequest	Form	N/A	N/A	N/A	WireTransferFlow
4	PurchaseRequisitionForm	Form	N/A	N/A	N/A	PurchaseRequisition

Events Firing Trend

Date	Fired Events
11 Dec	0
12 Dec	0
13 Dec	1
14 Dec	0
15 Dec	7

Custom design orchestration

Orchestration design

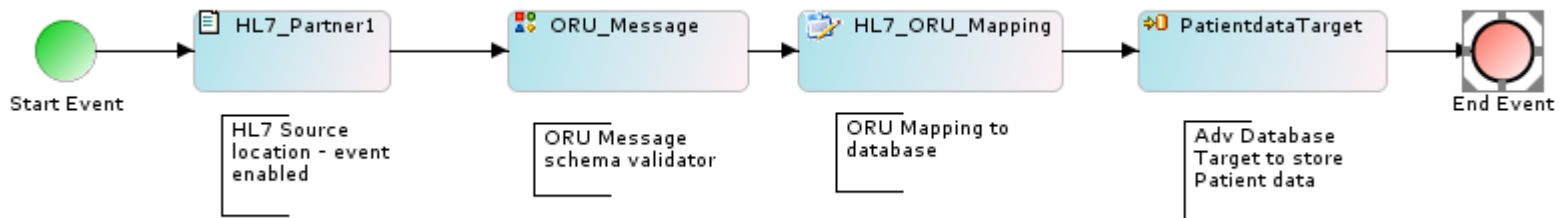
Refer to the use case video on how to design the process.
In the designer we will pull up all the activities created in the previous steps.

Getting Started | Projects | Solutions ▾ | Process ▾ | Services ▾ | Events ▾ | Web Forms | Reports and Dashboards ▾

Process > Process Flow

Delete ✓ Activate ⓧ Deactivate + Create New Quick

<input type="checkbox"/>	Name	Description	Owner	Project Name
<input type="checkbox"/>	HL7_Partner1_Process ✓	process to translate HL7 data files	demouser	HL7_Medical_Record_...



Project: View and manage activities for this HL7 use case

Home | **Develop** | Monitor | Administer

Getting Started | Projects | Solutions ▾ | Process ▾ | Services ▾ | Events ▾ | Web Forms | Reports and Dashboards ▾

Projects

Delete Create New Quick

<input type="checkbox"/>	Name	Description	Owner	Group
<input type="checkbox"/>	HL7_Medical_Record_Processing ✓	HL7 Medical record processing solution for EMRs and...	demouser	DemoGroup
▾ Advance Database Schema (1)				
<input type="checkbox"/>	PatientDataSchema	Patient results data schema	demouser	12/15/13 08:34
▾ Advanced Database Target (1)				
<input type="checkbox"/>	PatientdataTarget	database target	demouser	12/15/13 08:35
▾ Data Mapping (1)				
<input type="checkbox"/>	HL7_ORU_Mapping	Mapping of HL7 ORU to database	demouser	12/15/13 09:11
▾ EDI Data Dictionary (1)				
<input type="checkbox"/>	HL7DataDictionary_2_3_1	HL7DataDictionary_2_3_1	demouser	12/15/13 07:46
▾ EDI Schema (1)				
<input type="checkbox"/>	ORU_Message	Message schema	demouser	12/15/13 08:37
▾ EDI Trading Partner (1)				
<input type="checkbox"/>	Partner_HealthCareProvider	HL7 data message provider	demouser	12/15/13 08:25

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Thank You!



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