

Chapter 9: Provider Support and User Experience

Learning Bluemix & Blockchain

Bob Dill, IBM Distinguished Engineer, CTO Global Technical Sales
David Smits, Senior Certified Architect, IBM Blockchain



The Plan: 30 minute Chapters with an hour or two of practice

Chapter 1:	What is Blockchain? Concept and Architecture overview
Chapter 2:	What's the story we're going to build
Chapter 2.1:	Architecture for the Story
Chapter 3:	Set up local HyperLedger V1 development environment
Chapter 4:	Build and test the network
Chapter 5:	Administration User Experience
Chapter 6:	Buyer Support and User Experience
Chapter 7:	Seller Support and User Experience
Chapter 8:	Shipper Support and User Experience
Chapter 9:	Provider Support and User Experience
Chapter 10:	Finance Company Support and User Experience
Chapter 11:	Combining for Demonstration
Chapter 12:	Events and Automating for Demonstration



Over the past three lessons, we have built most of the panels in this picture. Today, we're focused on the bottom right: Shipper

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Zero To Blockchain Chapter 11: Buyer View

Select Buyer to see their view: Bored On The Cloud, Inc

Order #	Status	Total	Seller: 2nd Life Systems, Inc.
006	Order Dispute Resolved: 2017-09-25T13:26:05.400Z 1Tb drives missing	\$38800.00	<div>Authorize Payment</div> <div>Execute</div>
Item Number	Description	Quantity	Price
3	Lenovo Thinkpad W520 15Gb, .25Tb	15	\$7500.00
4	Lenovo Thinkpad W520 32Gb, 1Tb	20	\$21300.00

Order #	Status	Total	Seller: PC Hardware Now, Inc
007	Order Created: 2017-09-25T13:21:38.847Z	\$9125.00	<div>No Action</div> <div>Execute</div>
Item Number	Description	Quantity	Price
1	Macbook Pro 15Gb, 1Tb	5	\$6425.00
2	Macbook Pro 8Gb, .5Tb	2	\$1300.00
6	4K Monitor - 32	2	\$700.00

Order #	Status	Total	Seller: Innovative Solutions, Inc
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Zero To Blockchain Chapter 11: Seller View

View as Seller: 2nd Life Systems, Inc

Order #	Status	Total	Buyer: Bored On The Cloud, Inc
006	Order Dispute Resolved: 2017-09-25T13:26:05.400Z 1Tb drives missing	\$38800.00	<div>No Action</div> <div>PC Hardware Now, Inc</div> <div>Reason to Resolve or Refund:</div> <div>Execute</div>
Item Number	Description	Quantity	Price
3	Lenovo Thinkpad W520 15Gb, .25Tb	15	\$7500.00
4	Lenovo Thinkpad W520 32Gb, 1Tb	20	\$21300.00

order 006 successfully updated to Request Payment
Processing Request Payment request for order number: 006

Zero To Blockchain Chapter 11: Provider View

View as Third Party Provider: PC Hardware Now, Inc

Order #	Status	Total	Buyer: Bored On The Cloud, Inc
006	Order Disputed: 2017-09-25T13:26:45.934Z 1Tb drives missing	\$38800.00	<div>Resolve</div> <div>Fast Eddy, Inc</div> <div>Reason to Resolve or Refund:</div> <div>1 via overnight delivery</div> <div>Execute</div>
Item Number	Description	Quantity	Price
3	Lenovo Thinkpad W520 15Gb, .25Tb	15	\$7500.00
4	Lenovo Thinkpad W520 32Gb, 1Tb	20	\$21300.00

order 006 successfully updated to Resolve
Processing Resolve request for order number: 006

Zero To Blockchain Chapter 10: Shipper View

View as Shipper: PC Hardware Now, Inc

Order #	Status	Total	Buyer: Bored On The Cloud, Inc
006	Order being Delivered on track: 2017-09-25T13:23:24.072Z	\$38800.00	<div>Delivered</div> <div>Deliver Status:</div> <div>Execute</div>
Item Number	Description	Quantity	Price
3	Lenovo Thinkpad W520 15Gb, .25Tb	15	\$7500.00
4	Lenovo Thinkpad W520 32Gb, 1Tb	20	\$21300.00

order 006 successfully updated to Delivered
Processing Delivered request for order number: 006

In Chapter 6, we created the OrderAction function, which allowed us to process order status changes for the Buyer. We will extend the set of options in that function to include the seller.

Provider capability:

- Request Shipping
- Backorder
- Resolve (a dispute)
- Refund (an order)

Shipper capability:

- Delivering
- Delivered
- Resolve (a dispute)
- Refund (an order)

Note: Both Refund and Resolve have already been implemented



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Chapter 10: Finance Company Support and User Experience

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