Acumatica
The Cloud ERP

I330 Data Manipulation with REST API

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Timing and Agenda

June 9, 2022 -10 AM -11 AM

Day 1

Lesson 1.1: Creating a Shipment for Sales Orders

Lesson 1.2: Creating a Stock Item with Attributes

Lesson 2.1: Updating a Customer Account

Lesson 2.2: Updating the Detail Lines of a Sales Order

June 11, 2022 -10 AM -11 AM

Day 2

Lesson 3.1: Releasing an Invoice

Lesson 4.1: Registering a Customer Credit Card

Lesson 5.1: Adding a Note to a Stock Item Record

Lesson 5.2: Attaching a File to a Stock Item Record

Day 1

Part 1: Creation of Records

Devil's Peak Brewing Company
Acumatica Customer Since 2016

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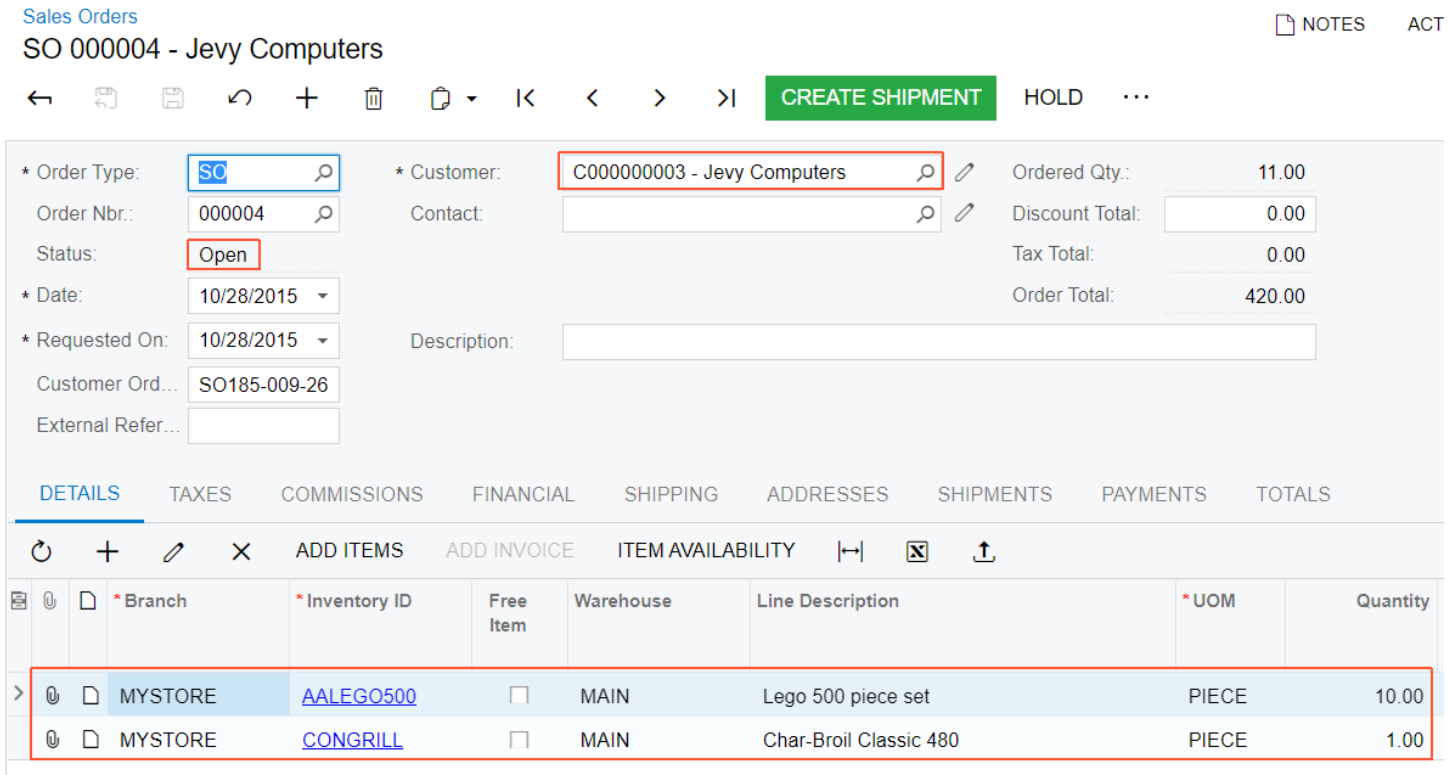
Lesson 1.1: Creating a Shipment for Sales Orders

Learning Objectives

In this lesson, you will learn how to create a new record in Acumatica ERP by using the contract-based REST API.

Figure: One of two sales order to create a shipment for



Lesson Summary

In this lesson, you have learned how to create a record in Acumatica ERP by using the contract-based REST API.

During record creation, you have submitted the fully configured record (with all detail lines) in one request.

Lesson 1.2: Creating a Stock Item with Attributes

Learning Objectives

In this lesson, you will learn how to create records with attributes.

Lesson Summary

In this lesson, you have learned how to create records with attributes through the contract-based REST API. To specify the values of the attributes of a stock item, you have used the Attributes field of the StockItem entity.

To identify the attribute whose value you need to specify, in the AttributeID field of the AttributeValue entity, you have specified the attribute name or attribute identifier.

Part 2: Update of Records

Cherrylake, Inc.
Acumatica Customer Since 2013

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Lesson 2.1: Updating a Customer Account

Learning Objectives

In this lesson, you will learn how to update an existing record by using the contract-based REST API.

Figure: Customer record

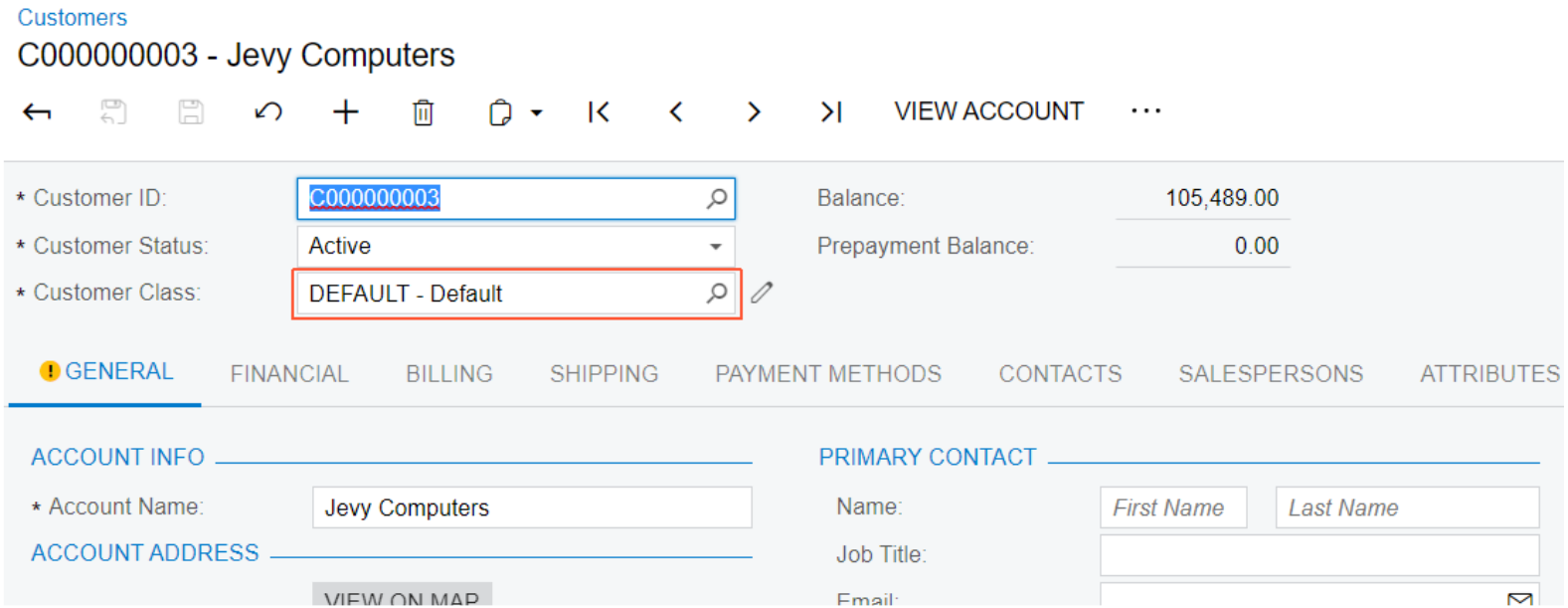
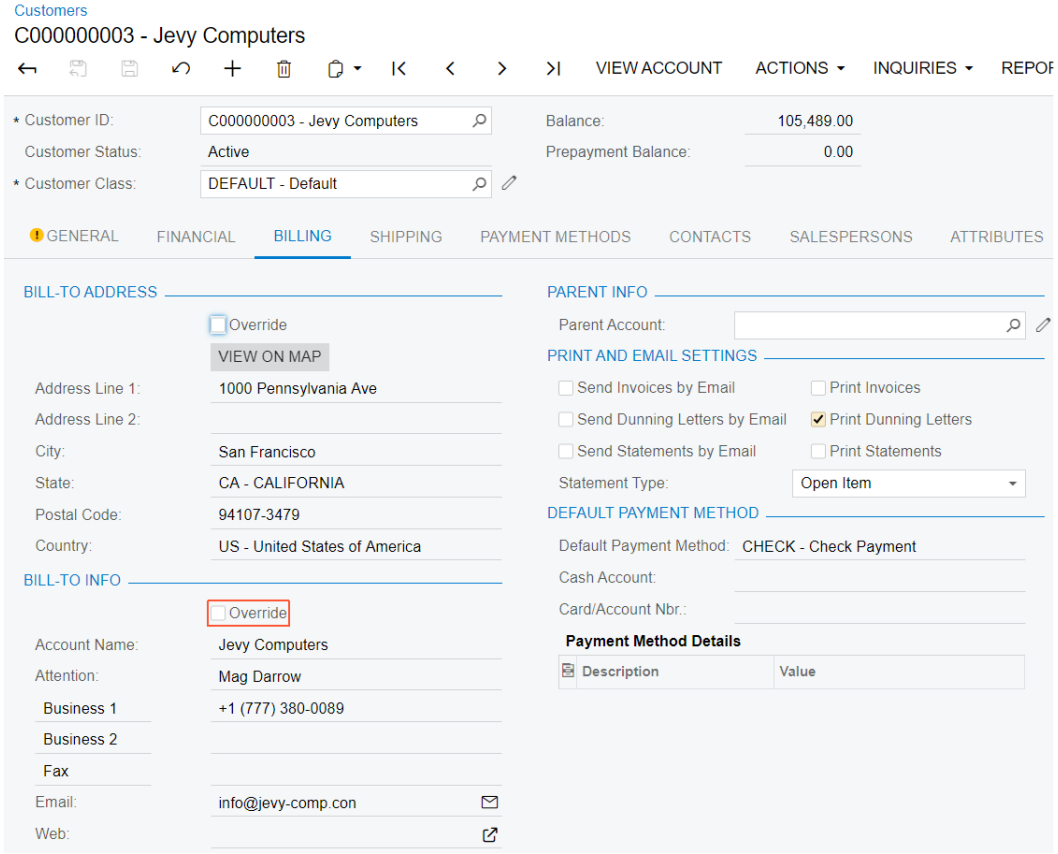


Figure: Customer billing contact



Lesson Summary

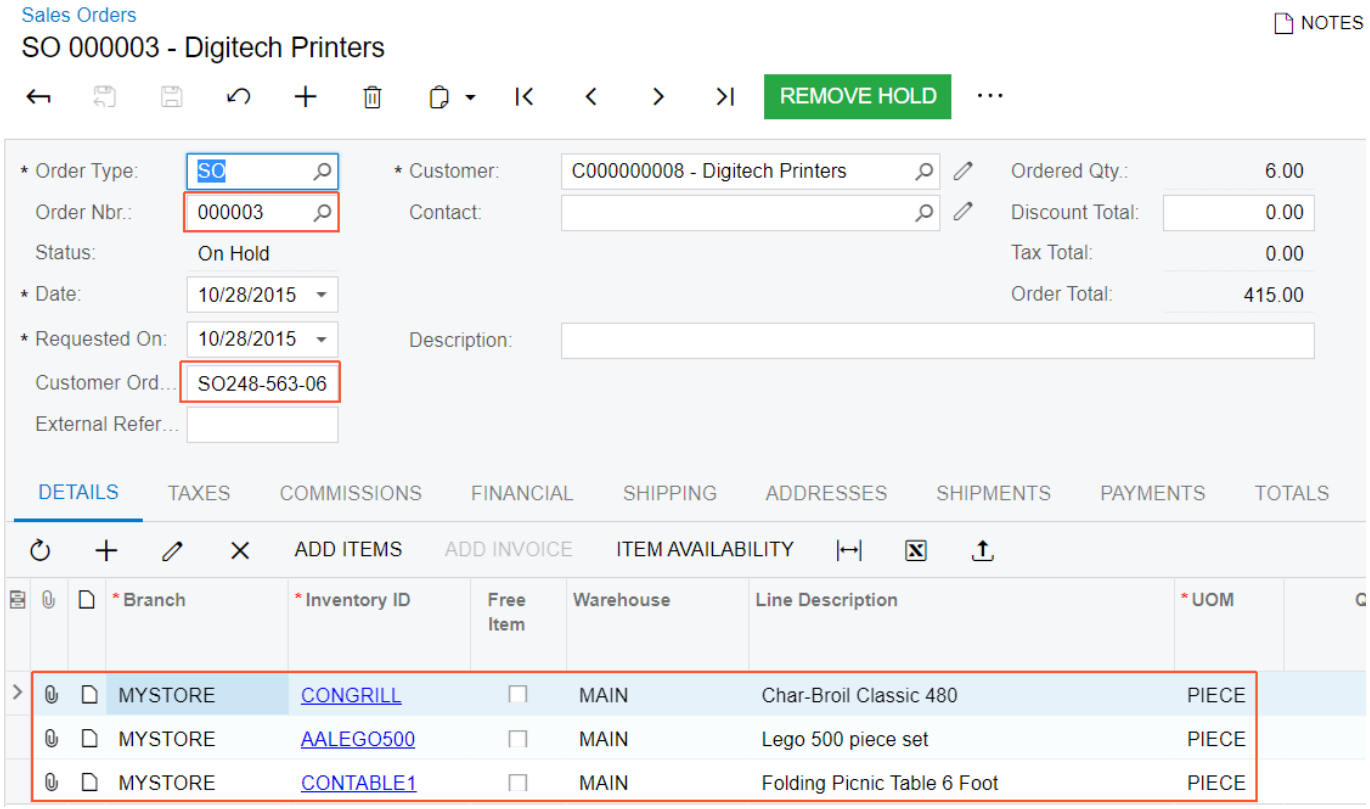
In this lesson, you have learned how to update an existing customer record and find the record for update by using a non-key field. You have used one request for the update.

Lesson 2.2: Updating the Detail Lines of a Sales Order

Learning Objectives

In this lesson, you will learn how to update the detail lines of a document by using the contract-based REST API.

Figure: Sales order to be updated



Lesson Summary

In this lesson, you have learned how to delete and update the detail lines of a sales order document through the contract-based REST API. You have retrieved the sales order in one request, updated the detail lines of the sales order locally, and submitted the order to Acumatica ERP in another request. You have identified the detail lines for the update by the entity IDs of the lines. You have used the delete system field of the detail entity to remove the detail line.

Day 2

Part 3: Execution of Actions

Ray Allen Manufacturing
Acumatica Customer Since 2014

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Lesson 3.1: Releasing an Invoice

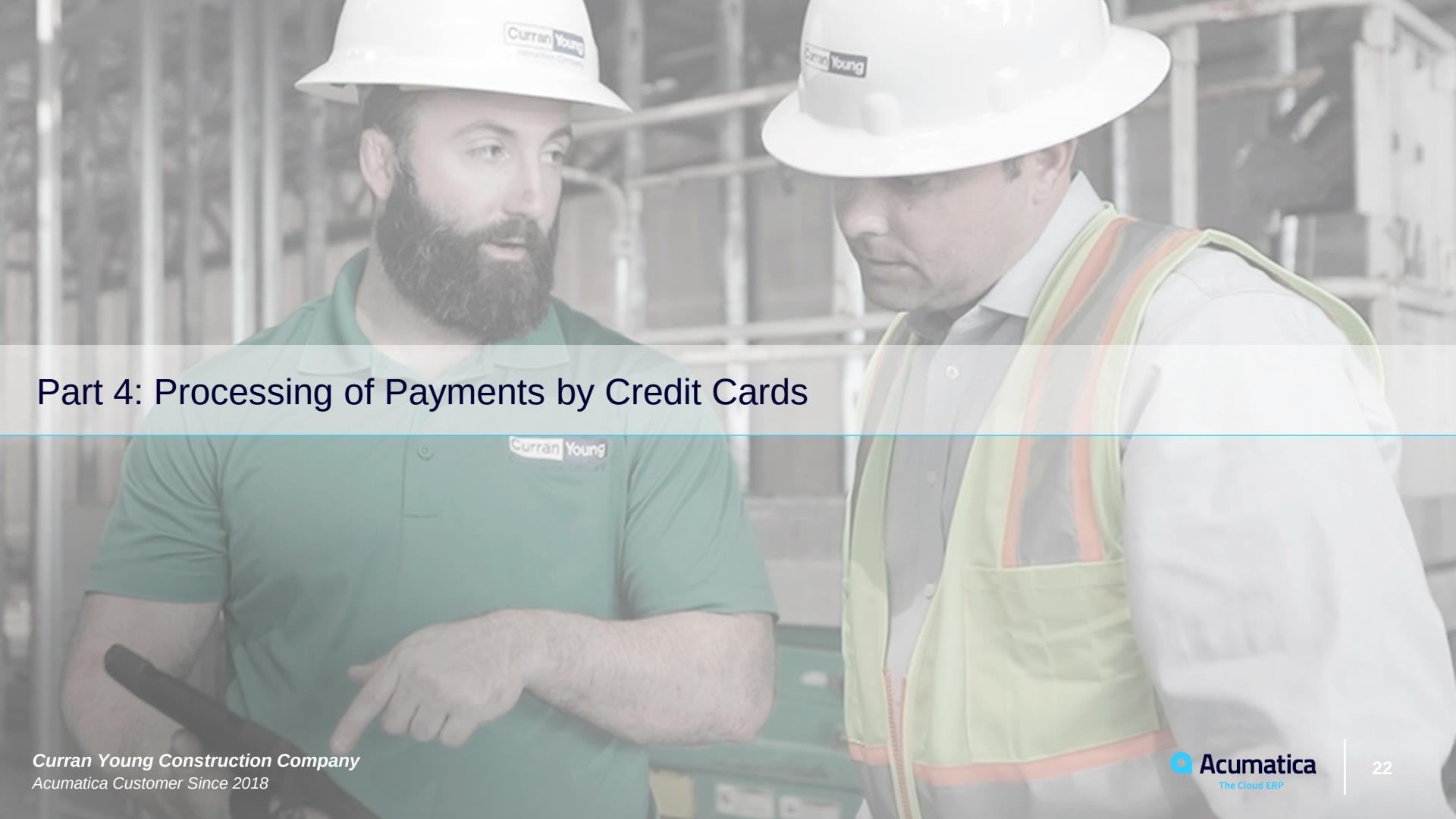
Learning Objectives

In this lesson, you will learn how to handle long-running operations, such as the releasing of the invoice, by using the contract-based REST API.

Lesson Summary

In this lesson, you have learned how to handle long-running operations, such as the releasing of the invoice, by using the contract-based REST API. You have monitored the status of the long-running operation, and when the operation completed, you have retrieved the released invoice from Acumatica ERP.

You have also reviewed how other types of invoices can be processed through the contract-based REST API.



Part 4: Processing of Payments by Credit Cards

Curran Young Construction Company
Acumatica Customer Since 2018

Lesson 4.1: Registering a Customer Credit Card

Learning Objectives

In this lesson, you will learn how to create a customer payment method in Acumatica ERP through the contractbased REST API.

Figure: Create a Sandbox Account link

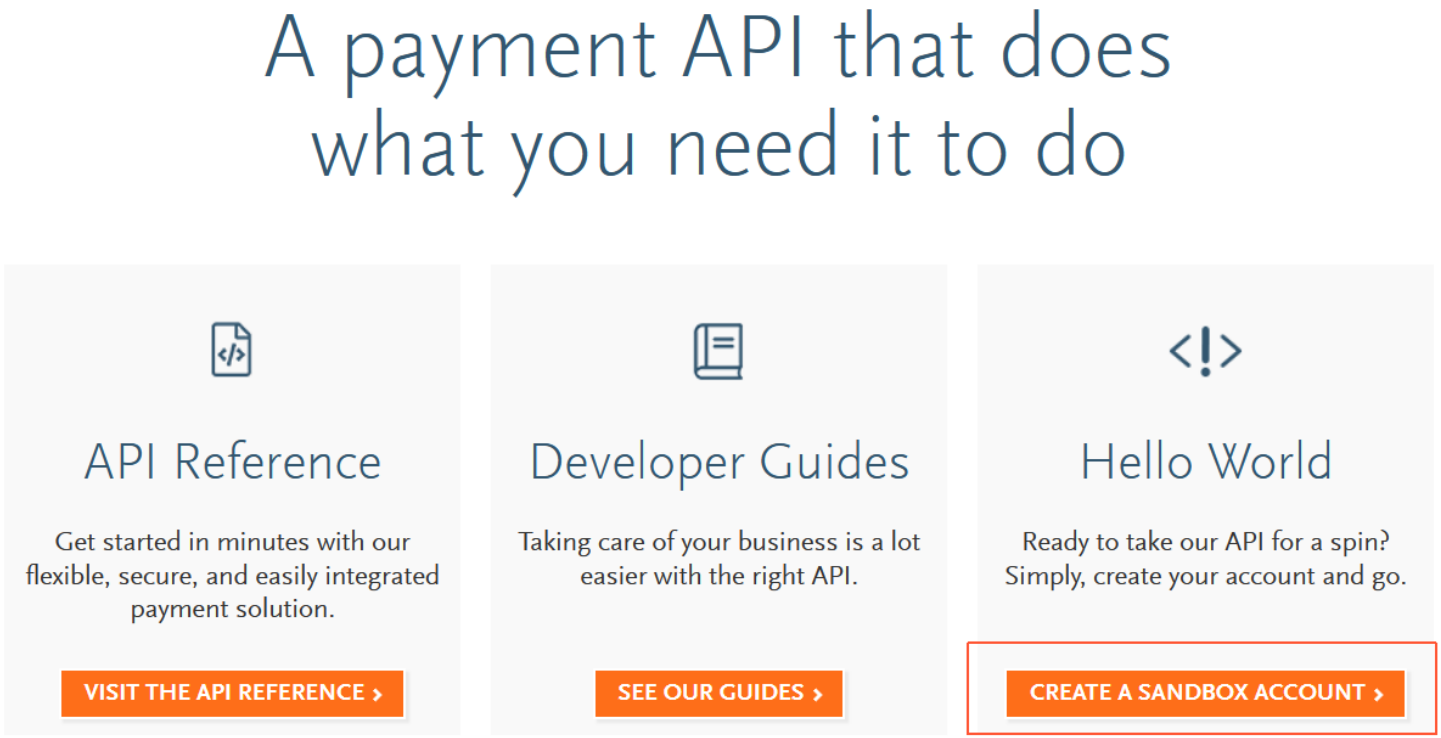


Figure: Sandbox account settings

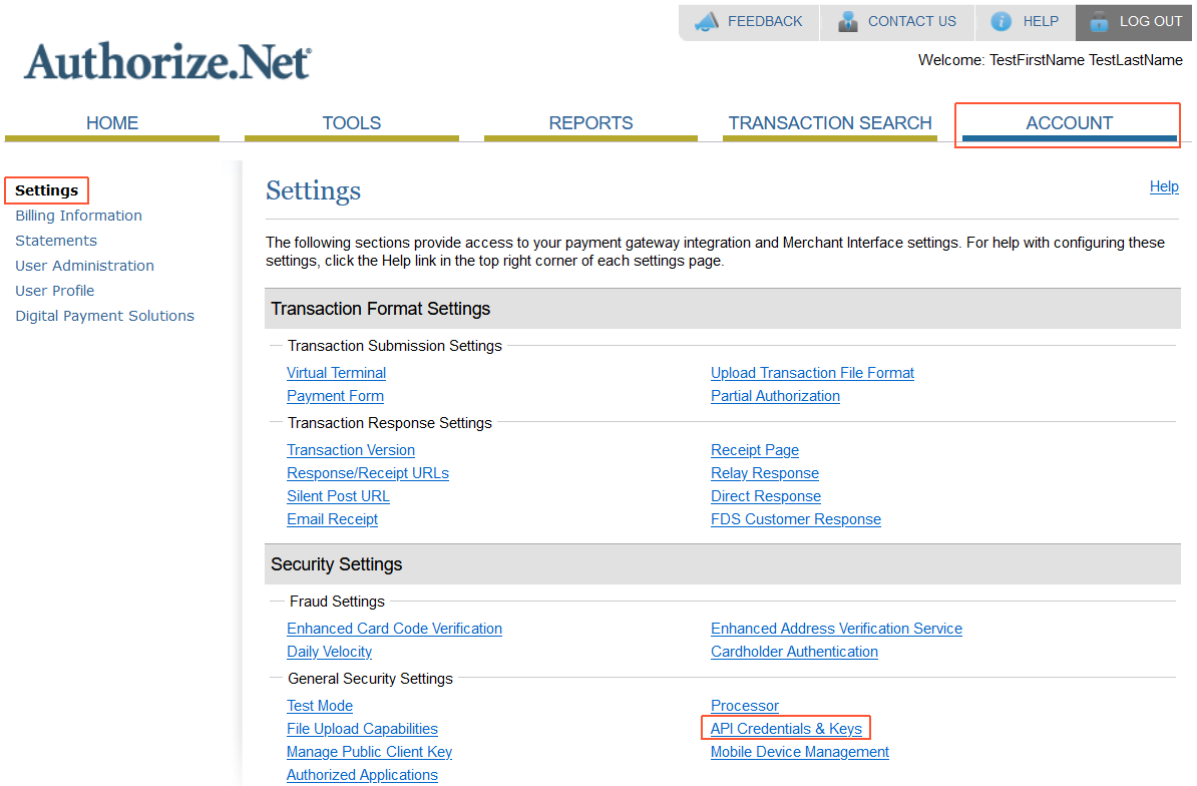


Figure: API Credentials & Keys page

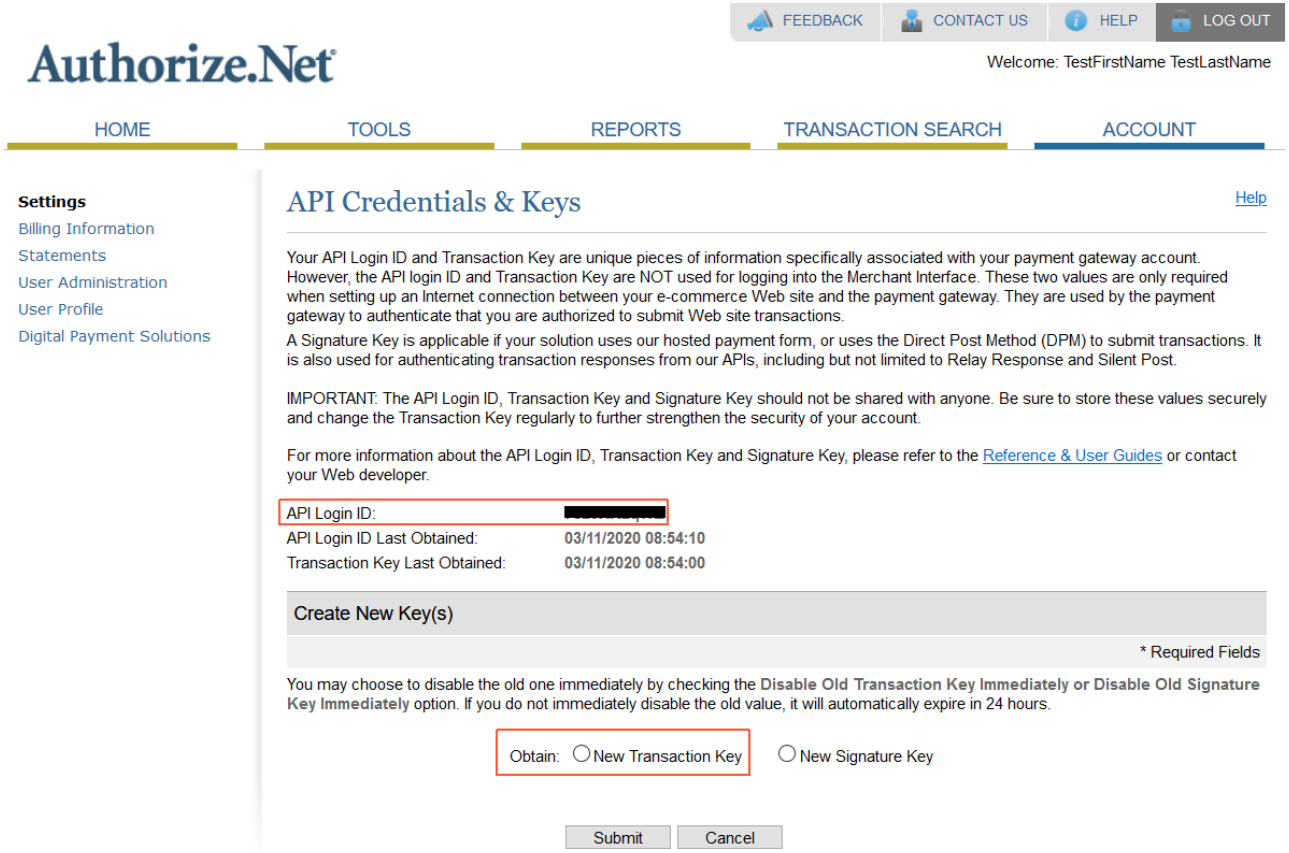
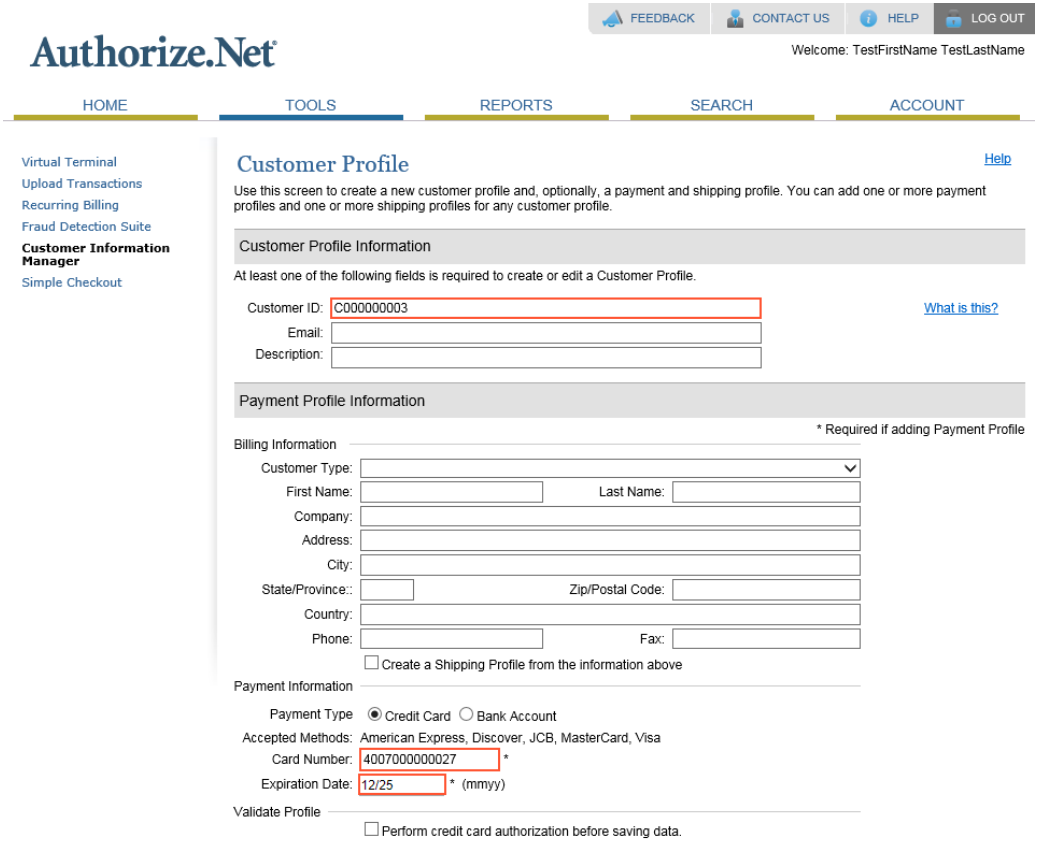


Figure: Customer Information Manager



Lesson Summary

In this lesson, you have learned how to create a customer payment method for a customer credit card. You have used the customer profile ID and the payment profile ID of the customer in Authorize.Net to create a customer payment method in Acumatica ERP. You have also reviewed how you can capture credit card payments.

Part 5: Attachment of Files and Notes

OFS International
Acumatica Customer Since 2014

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Lesson 5.1: Adding a Note to a Stock Item Record

Learning Objectives

In this lesson, you will learn how to add a note to a record through the contract-based REST API.

Lesson Summary

In this lesson, you have learned how to add notes to records in Acumatica ERP by using the contract-based REST API. To add a note, you have used the note system field of the entity.

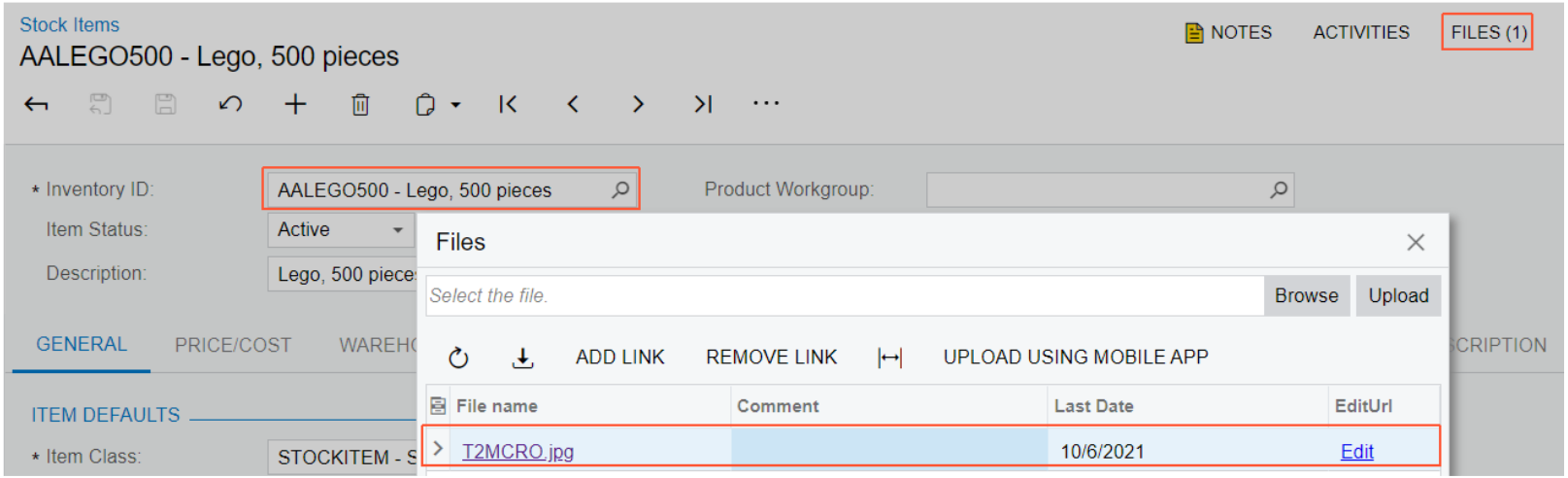
You have also reviewed how to add notes to detail lines of documents.

Lesson 5.2: Attaching a File to a Stock Item Record

Learning Objectives

In this lesson, you will learn how to attach a file to a record through the contract-based REST API.

Figure: Attached file



Lesson Summary

In this lesson, you have learned how to attach files to records in Acumatica ERP by using the contract-based REST API.

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Thank you

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