

int_virtualpiggy

Version 1.3.0



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1. Summary

- The component (**Oink** by Virtual Piggy) adds a possibility for merchant to enable COPPA compliant, Level 1 PCI certified checkout gateway designed for families and under aged minors. Oink integrates with the 3rd party payment gateways.
- The **Oink** component is free of charge. A contract is required between Virtual Piggy and a Merchant using the component. Virtual Piggy charges a percentage per successful transaction placed using the component. Please contact Virtual Piggy for the current rates.
- To use **Oink**, merchants must assign and install int_virtualpiggy cartridge, create custom system definitions, set **Oink** site preferences, create an **Oink** payment method for each site that will use cartridge, and provide callback URL's for **Oink**.

2. Component Overview

2.1 Functional Overview

The cartridge adds an opportunity to purchase goods using **Oink** (by Virtual Piggy©) payment provider. It contains:

- Authentication using **Oink** credentials
- Custom single-page checkout
- Credit Card authorization and capturing in both automatic and manual modes
- Confirmation email sending in case of order approval

2.2 Use Cases

The cartridge supports following use cases:

- Child checkout in automatic mode (no parent approval required)
- Child checkout in manual mode (parent approval required)
- Guest checkout (parent purchases for selected child)
- Automatic Capture (money get captured from CC automatically)
- Manual Capture (manual action for each approved order required)

2.3 Limitations, Constraints

- Single-shipment supported only
- One shipping method should be set for all **Oink** orders
- Gift Certificates are not supported
- Front-end integration was developed for SiteGenesis v12.5+. Solutions based on previous versions could require additional actions for integration.
- For Child checkout in manual mode (parent approval required) in the event that the parent rejects the order in the **Oink** interface the total amount of these orders will be added to the merchant's GMV total and result in charges with Demandware

2.4 Compatibility

Front-end is compatible with SiteGenesis 12.5. Back-end is compatible with API 2.10.6.

2.5 Privacy, Payment

Demandware has no access to the user of the cartridge credit card data (PCI Level 1 compliant) or a child's full name and address (COPPA compliant). Credit card data is stored within the Oink application.

For terms, please visit: <http://www.oink.com/virtual-piggy-terms-service>

For privacy policy, please visit: <http://www.oink.com/virtual-piggy-privacy-policy>

3. Implementation Guide

3.1 Setup

The int_virtualpiggy cartridge is required for the integration.

3.2 Configuration

The integration of **Oink** requires 5 Virtual Piggy configuration steps:

1. Create custom System Object definitions
2. Set Virtual Piggy Site Preferences for each site
3. Create a Virtual Piggy payment method for each site
4. Provide Callback URLs for Virtual Piggy
5. Assign the cartridge to a site

IMPORTANT: steps 1 and 3 could be performed at the same time and automatically using the "Site Import" feature. Detailed site import instructions are provided at the end of this section.

Import VP's System Objects

Select your **Site** -> **Site Development** -> **Import & Export**

Under **Import & Export Files** select **Upload** and upload **VPObjects.xml** (found in the **documentation** folder)

Return to **Site Development** -> **Import & Export**

Under **Meta Data**, select **Import**.

Select **VPObjects** from the file list and click **Next**

Wait for the **Step 2 - Import File Validation** page to finish. It will redirect to **Step 3 - Import**.

Make sure that the **Import Option** of "**Delete existing attribute definitions...**" is NOT checked.

Click **Import** and wait for the import to return **Successful**.

The following **System Objects** should now be populated in **Order** and **Site Preferences**

System Object Types > Order - Attribute Definitions > Attribute Definition Details

Object Type 'Order' - Attribute Definition Details

On this page you can manage details of your attribute definition. Different options are available depending on the value type of your attribute.
Click **Apply** to create a new attribute definition or save changes to existing attributes.
Some value types support the definition of value lists. In this case you can provide an attribute value id and display name and click **Add** to add new value to the attribute definition.

Select language: Default Apply

ID:

Display Name:

Help Text:

Value Type: Enum of String NOTE: Searchable via query framework.

Mandatory: ☐ *

Externally Managed: ☐

Select Multiple: ☐

Apply Reset

Object Type 'Order' - Attribute Value Range Definition

This section lists the attribute value definitions of the attribute. Create a new attribute value definition by providing the Value and Display Value in the 'New Value' section below. Press **Apply** to update the attribute value definitions. Click **Reset** to rollback changes. Click **Delete** to delete selected attribute value definitions.

Search Attribute Value Definitions

Value or Display Value: Find

Select All	Value	Display Value	Default	Sorting
<input type="checkbox"/>	NONE	None	<input checked="" type="radio"/>	
<input type="checkbox"/>	PENDING_APPROVAL	Pending Approval	<input type="radio"/>	
<input type="checkbox"/>	AUTHORIZED	Authorized	<input type="radio"/>	
<input type="checkbox"/>	CAPTURED	Captured	<input type="radio"/>	
<input type="checkbox"/>	DECLINED	Declined by a Parent	<input type="radio"/>	
<input type="checkbox"/>	VOIDED	Voided by a Merchant	<input type="radio"/>	
<input type="checkbox"/>	EXPIRED	Wasn't approved in term	<input type="radio"/>	
New Value: <input type="text"/>		<input type="text"/>	<input type="radio"/>	

Apply Reset Delete

Showing 1 - 7 of 7 items.

[<< Back](#)

- Order
 - vpOrderStatus
 - id: vpOrderStatus
 - display name: Virtual Piggy Order Status
 - type: Enum of Strings
 - mandatory: false
 - values:
 - value: NONE, display value: None
 - value: PENDING_APPROVAL, display value: Pending Approval
 - value: AUTHORIZED, display value: Authorized
 - value: CAPTURED, display value: Captured
 - value: DECLINED, display value: Declined by a Parent
 - value: VOIDED, display value: Voided by a Merchant
 - value: EXPIRED, display value: wasn't approved in term
 - vpTransactionId

- id: vpTransactionId
 - display name: Virtual Piggy Transaction Id
 - type: String
 - mandatory: false
- Site Preferences
 - vpApiKey
 - id: vpApiKey
 - display name: API Key
 - type: String
 - mandatory: false
 - vpApiTimeout
 - id: vpApiTimeout
 - display name: API Timeout (ms)
 - type: int
 - mandatory: false
 - min value: 3000
 - default value: 30000
 - vpCurrencyId
 - id: vpCurrencyId
 - display name: Site Currency
 - description: Optional. Please consult your Virtual Piggy contact whether you should put here anything.
 - type: String
 - mandatory: false
 - regex: /^[A-Z]{3}\$/
 - vpEndPointURL
 - id: vpEndpointURL
 - display name: Transaction Service URL
 - description: If empty points to a development Virtual Piggy instance
 - type: String

- mandatory: false
- default value:
<https://integration.virtualpiggy.com/Services/TransactionService.svc>
- vpManualCapture
 - id: vpManualCapture
 - display name: Manual Capture
 - description: Should be checked if you're using the Manual Capture workflow
 - type: Boolean
 - mandatory: false
- vpMerchantID
 - id: vpMerchantID
 - display name: Merchant ID
 - type: String
 - mandatory: false
 - regex: /^[0-9a-f-]+\$ /
- vpOrderExpirationDays
 - id: vpOrderExpirationDays
 - display name: Order expires in (days)
 - type: Integer
 - mandatory: false
 - minimum value: 1
 - default value: 7
- vpShippingMethodID
 - id: vpShippingMethodID
 - display name: Shipping Method ID
 - description: ID of an active shipping method that will be used for all Virtual Piggy orders. Please ensure that this shipping method is applicable for all locations required.
 - type: String
 - mandatory: false

- vpRecvGatewayData
 - id: vpRecvGatewayData
 - display name: Receive Payment Gateway Data (encrypted)
 - description: Enable this preference if you would like to receive Payment Gateway Data (note: enabling this preference requires providing a public key to Virtual Piggy)
 - type: Boolean
 - mandatory: false
- vpPrivateKey
 - id: vpPrivateKey
 - display name: Private Key
 - description: 256bit encryption Private key used to communicate secured credit card number and CVV. This is only used if Order Management system requires credit card as part of the transaction, or they will reject the order
 - type: String
 - mandatory: false, but is required if vpPaymentGateway data is checked.
- Please follow the following instructions on generating the public and private keys:
 - Step 1. Get a machine with openssl installed on it (linux/mac have by default, there's a link to a windows binary here: <http://www.openssl.org/related/binaries.html>)
 - Step 2. openssl genrsa -out rsaprivatekey.pem 2048
 - Step 3. openssl rsa -in rsaprivatekey.pem -out publickey.pem -pubout
 - Step 4. openssl pkcs8 -topk8 -in rsaprivatekey.pem -out privatekey.pem -nocrypt
 - Provide the public key to OINK, while updating the private key in the local settings.

Virtual Piggy site preferences:

- id: VIRTUAL_PIGGY
- display name: Virtual Piggy Settings
- attributes:
 - vpEndPointURL
 - vpMerchantID
 - vpApiKey
 - vpApiTimeout

- vpCurrencyID
- vpShippingMethodID
- vpOrderExpirationDays
- vpManualCapture
- vpRecvGatewayData
- vpPrivateKey

[System Object Types](#) > [Site Preferences - Attribute Groups](#) > Virtual Piggy settings

Object Type 'Site Preferences' - Attribute Definition Assignments

On this page you can assign existing attribute definitions to your attribute group.

Assign Attribute Definition

ID: * ...

Select All	ID	Name	Type	Sortin
<input type="checkbox"/>	vpEndPointURL	Transaction Service URL	String	<input type="button" value="↑"/> <input type="button" value="↓"/>
<input type="checkbox"/>	vpMerchantID	Merchant ID	String	
<input type="checkbox"/>	vpApiKey	API Key	String	
<input type="checkbox"/>	vpCurrencyID	Site Currency	String	
<input type="checkbox"/>	vpShippingMethodID	Shipping Method ID	String	
<input type="checkbox"/>	vpOrderExpirationDays	Order Expires in (days)	Integer	
<input type="checkbox"/>	vpManualCapture	Manual Capture	Boolean	
				<input type="button" value="Unassign"/>

Set Virtual Piggy Site Preferences for Each Site

For each site that Virtual Piggy used as a payment option, go to Site -> Site Preferences -> Custom Preferences -> Virtual Piggy Settings and set the preferences according to the following screenshot:

Instance Type: Staging Apply

Preference Name	'Staging' Value	Default Value
Transaction Service URL:	<input type="text" value="https://integration.virtualpiggy.com/Services/Transac"/>	https://development.virtualpiggy.com/Services/Tran
	If empty points to a development instance	
Merchant ID:	<input type="text" value="18593981-ca10-41cc-82f9-e33419"/>	
API Key:	<input type="text" value="client@virtualpiggy.com123"/>	
Site Currency:	<input type="text" value="USD"/>	
	Optional. Please consult your Virtual Piggy contact whether you should put here anything.	
Shipping Method ID:	<input type="text" value="001"/>	
	Please put here id of a shipping method that will be used for all Virtual Piggy orders. Please ensure that this shipping method is applicable for all locations required.	
Order Expires in (days):	<input type="text" value="3"/> (Integer) [≥ 1]	7
Manual Capture:	<input checked="" type="checkbox"/>	false
	Should be checked if you'd like to use Manual Capture feature.	
Receive Payment Gateway Data (encrypted):	<input checked="" type="checkbox"/>	false
	Enable this preference if you would like to receive Payment Gateway Data (note: enabling this preference requires providing a public key to Virtual Piggy)	
vpPrivateKey:	<input type="text" value="MIIEvAIBADANBgkqhkiG9w0BAQEFAASCBywggSIA"/>	
	vpPrivateKey	

Apply Reset

Some suggestions:

- Transaction Service URL, Merchant ID, API Key and Site Currency should be requested from Virtual Piggy;
- "Order Expires in" and "Manual Capture" should be set accordingly your Virtual Piggy workflow;
- Shipping Method ID should contain explicit ID of a shipping method configured on your instance for all Virtual Piggy orders (see the screenshot below).
- Please follow the following instructions on generating the public and private keys:
 - Step 1. Get a machine with openssl installed on it (linux/mac have by default, there's a link to a windows binary here: <http://www.openssl.org/related/binaries.html>)
 - Step 2. openssl genrsa -out rsaprivatekey.pem 2048
 - Step 3. openssl rsa -in rsaprivatekey.pem -out publickey.pem -pubout
 - Step 4. openssl pkcs8 -topk8 -in rsaprivatekey.pem -out privatekey.pem -nocrypt
 - Provide the public key to OINK, while updating the private key in the local settings.

Shipping Methods

Shipping Methods						
The list shows all shipping methods currently available in this site.						
Click "New" to create a new shipping methods. Use the checkboxes and "Delete" to delete shipping methods.						
Select All	ID	Name	Description	Based On	Status	Sorting
<input type="checkbox"/>	004	Super Saver	Super Saver Delivery (arrives in 3-7 business days)	-	Active	
<input type="checkbox"/>	001	Ground	Order received within 7-10 business days	-	Active, Default	
<input type="checkbox"/>	002	2-Day Express	Order received in 2 business days	-	Active	
<input type="checkbox"/>	003	Overnight	Order received the next business day	-	Active	
<input type="checkbox"/>	012	Express	Orders shipped outside continental US received in 2-3 business days	-	Active	
<input type="checkbox"/>	021	USPS	Order shipped by USPS received within 7-10 business days	-	Active	
<input type="checkbox"/>	1234	Foreign	Foreign	001	Active	
						New Delete
Showing 1 - 7 of 7 items.						

Create a Virtual Piggy Payment Method for Each Site

The payment method should be created according to the following screenshot below:

Payment Methods

Payment Methods

Payment methods are managed here. To create a new payment method click the "New" button. To remove a payment method click the remove icon in the payment methods cannot be removed, and their IDs cannot be changed. When you select the CREDIT_CARD payment method, credit/debit cards can be reord

New Sort Order Credit/Debit Cards Import/Export Language: Default

ID	Name	Enabled
BANK_TRANSFER	Bank Transfer	No
BML	Bill Me Later	Yes
CREDIT_CARD	Credit Card	Yes
GIFT_CERTIFICATE	Gift Certificate	Yes
PayPal	Pay Pal	Yes
VIRTUAL_PIGGY	Virtual Piggy	Yes

VIRTUAL_PIGGY Details

Description:

Image: [HTML Editor](#) [Select](#)

Payment Processor:

Countries: [Edit](#)

Customer Groups: [Edit](#)

Min/Max Payment Range: \$ to \$

The only required fields are ID, Name and Enabled. The rest of fields can be set according to your requirements.

Provide Callback URLs for Virtual Piggy

To complete the configuration you should provide callback urls for Approval and Reject requests from **Oink** service.

Examples:

<https://sandbox1.my.dw.demandware.net/on/demandware.store/Sites-SiteID-Site/default/VPCallback-Approve>

<https://sandbox1.my.dw.demandware.net/on/demandware.store/Sites-SiteID-Site/default/VPCallback-Dencline>

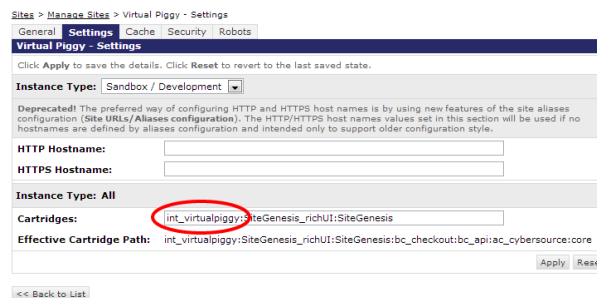
Where:

sandbox1.my.dw.demandware.net – your instance’s domain

SiteID – your particular site’s identifier

Assign the cartridge to a site

Add the cartridge name into the cartridge list for each site where **Oink** is needed, including Business Manager:



3.3 Custom Code

Integration is based on new templates introduced in SiteGenesis 12.5. Integration points are:

- checkout/pt_checkout_UI.isml
- checkout/cart/pt_cart_UI.isml
- checkout/cart/pt_cart_VARS.isml
- checkout/cart/rightcolumn.isml
- checkout/billing/paymentmethods.isml

1. In **templates/default/checkout/pt_checkout_UI.isml** and **templates/default/checkout/cart/pt_cart_UI.isml** we need to include the Virtual Piggy CSS file. Append this line to the end of both files:

```
<link rel="stylesheet" href="{URLUtils.staticURL('/css/virtualpiggy.css')}" />
```

2. In **templates/default/checkout/cart/pt_cart_VARS.isml** we need to include the Virtual Piggy login dialog box. Append this line to the end of the file:

```
<isinclude template="checkout/cart/vppt_cart_VARS" />
```

3. In **templates/default/checkout/cart/rightcolumn.isml** we need to include the login button. The following lines should be added just above the “approachingdiscounts” template:

```
<iscomment>Display button for VirtualPiggy</iscomment>
```

```
<isinclude template="virtualpiggy/cart/loginbutton"/>
```

4. In **templates/default/checkout/billing/paymentmethods.isml** we need to add lines to include VIRTUAL_PIGGY as a payment method. The following lines should be added within the payment-method-options loop:

```
<iscomment>Ignore VIRTUAL_PIGGY method.</iscomment>
```

```
<isif condition="{paymentMethodType.value.equals('VIRTUAL_PIGGY')}"><iscontinue/></isif>
```

In case your solution is based on an earlier SiteGenesis version or on any other reference application, you have to:

- put contents of *_UI.isml files into <head> section of the pages Cart and Checkout. It can be put into global header.
- put contents of pt_cart_VARS.isml into bottom of the Cart page (below the **Oink** button include) and any other pages you're going to place the button.

Additionally, the WSDL file may need updated for VirtualPiggy service. To do this, download the latest version from the following address and save it as webreferences/VirtualPiggyService.wsdl:

<https://integration.virtualpiggy.com/services/TransactionService.svc?wsdl>

In order to add shipping method selection to the VP checkout screen, please refer to the checkout template inside int_virtualpiggy integration in the following location:

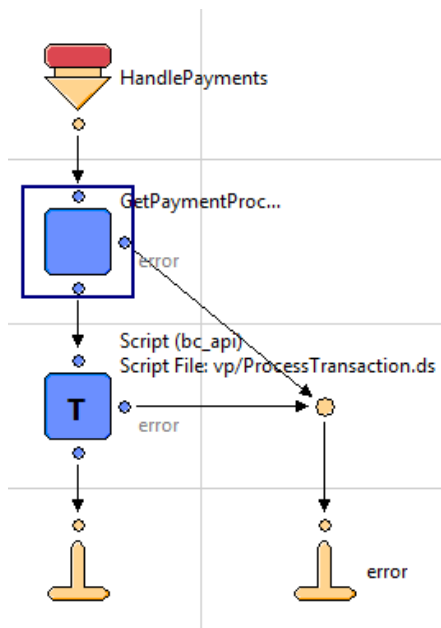
Templates/default/checkout/virtualpiggy/checkout.isml. This file contains typical checkout of the earlier SiteGenesis versions. This line is used to fill in the shipping method selection on VP checkout screen:

```
<div id="shippingmethodform"></div>
```

Followed by shipping method JS code

Payment information is handled in the following pipeline: VirtualPiggy-HandlePayment

Pay special attention to your individual credit card processor, since it will need to be replaced from PayFlow as in the example below.



Pipelet Node - GetPaymentProcessor (bc_api)	
Property	Value
Dictionary Input	
ID	"PAYFLOW"
Dictionary Output	
PaymentProcessor	PaymentProcessor
Properties	
Custom Label	
Description	

Note: this step is important, if credit card information is communicated back to the storefront.

Vp/processTransaction.ds contains the information regarding fields to be preserved for OMS.

The following fields are now saved into a session and then saved off to the order (as custom attributes described below):

Dictionary Output	
AccountNumber	CurrentSession.custom.vpAccountNumber
ApprovalStatus	CurrentSession.custom.vpApprovalStatus
Confirmation	CurrentSession.custom.vpConfirmation
ErrorMessage	CheckoutError
ExpirationDate	CurrentSession.custom.vpExpirationDate
ScriptLog	Log
TestAccountNumber	CurrentSession.custom.vpTempAccountNumber
TransactionId	CurrentSession.custom.vpTransactionId

3.4 External Interfaces

The cartridge uses SOAP to interact with the VirtualPiggy service. VirtualPiggy uses http(s) form submit to callback pipelines on the Demandware side to send order status updates.

SOAP requests implemented in the cartridge:

AuthenticateUser	Method to authenticate parent or child and returns a token to use in subsequent calls
CaptureTransactionByIdentifier	For a 2 step transaction process, capture or cancel the transaction
GetAllChildren	Method to return a Parent's list of children that items can be purchased for
GetChildAddress	Method to return Child's address details
GetParentAddress	Method to return a Parent's address details
GetParentChildAddress	Method to return Child's address details

GetPaymentAccounts	Method to return a Parent's payment accounts
PingHeaders	Used to verify connectivity to the web service and verifies validity for the header values vp.MerchantIdentifier and vp.APIkey
ProcessParentTransaction	Method to process parent transaction
ProcessTransaction	Method to process child transaction

The methods are described in detail on Virtual Piggy's Documentation site:

<http://docs.virtualpiggy.com/index.php/home/integrate/transaction-services-api>

Callback Pipelines

On order status update, the Virtual Piggy service notifies Demandware using callback. There are two callback pipelines that process the following status changes:

- VPCallback-Approve: Processed, Expired, Declined.
- VPCallback-Reject: Reject.

3.5 Testing

There is a dedicated pipeline **VirtualPiggyTest-All** that was developed to test connection and base functions of the integration.

Note: This pipeline is accessed via the browser, however, the pipeline is set to "private" and initially can't be accessed via a browser. To use the pipeline set the start node to "public". When done set the start node back to "private".

It consists of 3 parts:

1. Ping Only.
 - a. PingHeaders – only credentials from Business Manager are used for connectivity verification.
2. Child Checkout
 - a. AuthenticateUser – authenticate a child using credentials from templates/resources/vptest.properties. Credentials are stored in vptest.data.childlogin and vptest.data.childpassword fields.
 - b. GetChildAddress – get a shipping address for the child authenticated.
 - c. ProcessTransaction – process a test transaction.
 - d. CaptureTransactionByIdentifier – capture the transaction above.
3. Parent Checkout
 - a. AuthenticateUser – authenticate a parent using credentials from templates/resources/vptest.properties. Credentials are stored in vptest.data.parentlogin and vptest.data.parentpassword fields.
 - b. GetAllChildren – get all children available for the parent and save first from the list for further tests.
 - c. GetParentAddress – retrieve the parent's address.
 - d. GetParentChildAddress – retrieve the address for the child saved on step b.

- e. GetPaymentAccounts – retrieve all payment accounts of the parent and store first of them for the transaction below.
 - f. ProcessParentTransaction – process a test transaction for the child saved and using the payment account saved.
 - g. CaptureTransactionByIdentifier – void the transaction above.
4. Validating data that was set on the order should look similar to this:

[Orders](#) > Order: 00003245

General **Attributes** Payment Notes History

Attributes for Order '00003245'

On this page you can edit the attributes of the order. Fields with a red asterisk (*) are mandatory. Click **Apply** to save changes. Click **Reset** to rollback changes.

Virtual Piggy Group	
Virtual Piggy Payment Gateway Authorization Code:	<input type="text" value="123456"/>
Virtual Piggy Order Status:	<input type="text" value="AUTHORIZED (Authorized)"/>
Virtual Piggy Card Expiration Date:	<input type="text" value="2015-03-01T00:00:00"/>
Virtual Piggy Transaction Id:	<input type="text" value="b57f5505-4776-4310-89ff-6aafb8c497d2"/>
Virtual Piggy Card Number:	<input type="text" value="Oc51f2MrR8LWNqCH6Ws5nBlf4eit57uID2yRVuK+TE"/>

Encrypted credit card and card expiration data will be saved as a custom attribute on the order. Also every order will create a credit card transaction with Credit Card information stored in the Payment Transaction. This information can be extracted using regular order export process with private/public data decryption.

4. Operations, Maintenance

4.1 Data Storage

All needed data is stored on Order level in custom fields:

vpCardExpDate	Virtual Piggy Card Expiration	Date
vpCardNumber	Virtual Piggy Card Number (encrypted)	String
vpGatewayAuthCode	Virtual Piggy Payment Gateway Authorization Code	String
vpOrderStatus	Virtual Piggy Order Status	Enum of String
vpTransactionId	Virtual Piggy Transaction Id	String

4.2 Availability

GSI reports 99.9% uptime availability. In case if there is no service, a 404 error will be display by Virtual Piggy. For technical support please contact integration@virtualpiggy.com

4.3 Support

For technical support please contact: integration@virtualpiggy.com

Phone number: 310-853-1950

5. User Guide

5.1 Roles, Responsibilities

In case of “Automatic Capture” workflow, no recurring tasks are needed.

In case of “Manual Capture” workflow, a dedicated person is required to make a decision as to whether to proceed with approved orders. Please see section 5.2 for more details.

5.2 Business Manager

In custom Site Preferences a new button appears on the Payment Tab of the Order page.

Orders > Order: 00000278

General | Attributes | **Payment** | Notes | History

Payment Information for Order '00000278'

Order Total:	\$62.98
Amount Paid:	\$0.00
Balance Due:	\$62.98

Invoice Number: 00002703
Payment Status: Not Paid

Payment Method: VIRTUAL_PIGGY
Processor:
Transaction:
Amount: \$62.98
Unknown payment processor. Cannot display payment data.

Billing Address: Tim Tester

[Virtual Piggy](#) [Print Invoice](#)

<< Back to List

This button is used to proceed with “Manual Capture” workflow. It works only when Manual Capture is activated in Virtual Piggy Site Preferences and the current order’s vpOrderStatus is “Authorized”. In this case click on the button will show the following page:

Orders > Order: 00000278 > Virtual Piggy

[Capture](#) [Void](#)

<< Back

Click on the “Capture” button will send a request to VirtualPiggy to capture the money and will proceed with the order.

Click on the “Void” button will send a request to VirtualPiggy to cancel the transaction and will cancel the order.

5.3 Storefront Functionality

Cart

The cart page will have new button:

WELCOME: LOGIN | REGISTER **CART (1) ITEM, TOTAL: \$29.99**
WISH LIST | GIFT REGISTRY | STORE LOCATOR | HELP
FREE 2-Day SHIPPING FOR ORDERS OVER \$300

NEW ARRIVALS WOMENS MENS ELECTRONICS GIFT CERTIFICATES SALE Enter Keyword or Item #

Home > Cart

Your Shopping Cart

PRODUCT	QTY	PRICE	TOTAL PRICE
 Big Brain Academy (for Nintendo DS) Item No: nintendo-big-brain-academy-nintendods	1	\$29.99	\$29.99

Remove Add to Wishlist Add to Gift Registry In Stock

ENTER COUPON CODE

Update Cart

Subtotal \$29.99
Shipping N/A
Sales Tax N/A
Estimated Total \$29.99

« Continue Shopping **CHECKOUT**

Oink Check Out
What is Oink?

Featured Products

RETURNING CUSTOMERS * required

If you are a registered user, please enter your email and password.

* Email Address

* Password

☐ Remember Me

CHECKOUT OPTIONS

New Customer
Sign up for an account

Click the button to open a login window with **Oink** Dialog:

Oink

Log in to checkout

Username

Password

Don't have an Oink account?

Oink is the safe way for kids and teens to save, shop and give online.


[Learn more...](#)

Enter login and password credentials in the appropriate fields. They will be sent to **Oink** service to authenticate and to get user type to proceed correctly. After successful authentication, a user is redirected to Parent Checkout or Child Checkout according to his/her user type.

Child Checkout


Child Checkout page contains only ordered product list and a button to proceed.

Checkout

PRODUCT	QTY	PRICE
 <p>Sanyo 50" LCD High Definition Television Shipping surcharge Price: \$2,996.25 Item No: sanyo-dp50747 Extended Warranty: None Edit Details</p>	1 Edit Details In Stock	\$2,996.25

[Checkout](#)

Help? 888-553-9216

ORDER SUMMARY	Edit
 <p>Sanyo 50" LCD High Definition Television Qty: 1 \$2,996.25</p>	
<p>Subtotal \$2,996.25 Shipping 2-Day Express \$45.99 Sales Tax \$152.11 Estimated \$3,194.35 Total:</p>	
<p>SHIPPING ADDRESS</p> <p>User Userson 200 Breen Pl San Francisco, CA 94102 United States</p>	
<p>PAYMENT METHOD</p> <p>Virtual Piggy Amount: \$3,194.35</p>	

Clicking on the button will send a request to the **Oink** service. The following responses to the order are:

- **Processed immediately** - order gets approved on **Oink** side and is ready to be processed on Demandware side as an ordinary order
- **Processed as "Approval Pending"** - order is created but waits for an approval from the child's parent
- **Not processed** - order is not processed because of a decision on **Oink** side or an error occurred. If an error occurred, an error message is shown on the page.

Parent Checkout

Parent Checkout page looks similar to the Child Checkout page but it also contains additional controls to:


- choose a child (if multiple exist) that the order is made for
- delivery type (to parent or child address)
- payment method for the order

Checkout

[Available children](#)

☐ Deliver to the child's address


[Available payment methods](#)

PRODUCT	QTY	PRICE
 Sanyo 50" LCD High Definition Television Shipping surcharge Price: \$2,996.25 Item No: sanyo-dp50747 Extended Warranty: None Edit Details	1 Edit Details In Stock	\$2,996.25

[Checkout](#)

Help? 888-553-9216

ORDER SUMMARY [Edit](#)


[Sanyo 50" LCD High Definition Television](#)
Qty: 1 \$2,996.25

Subtotal	\$2,996.25
Shipping 2-Day Express	\$45.99
Sales Tax	\$152.11
Estimated Total:	\$3,194.35

SHIPPING ADDRESS

User Userson
200 Breen Pl
San Francisco, CA 94102
United States

PAYMENT METHOD

Virtual Piggy
Amount: \$3,194.35

Please bear in mind that all data except an order itself (e.g. shipping address, payment method etc) are stored and handled on **Oink** side only. Any data saved on a Demandware side is not used.

Order Confirmation

After Parent Checkout and successful Child Checkout (both Processed and Pending Approval) an Order Confirmation page is shown.

Thank you for your order.

Your order has been approved and will be delivered shortly
If you have questions about your order, we're happy to take your call (888-555-1212) Monday - Friday, 8AM - 8PM

[Print Receipt](#)

Order Summary

ORDER INFORMATION	PAYMENT METHOD	PAYMENT TOTAL
Order Placed Oct 17, 2012 Order Number 00000291	Virtual Piggy Amount: \$3,194.35	Subtotal \$2,996.25
		Shipping 2-Day Express \$45.99
		Sales Tax \$152.11
		Order Total: \$3,194.35

Shipment #1

ITEM	QUANTITY	PRICE	SHIPPING TO
Sanyo 50" LCD High Definition Television Shipping surcharge Item No: sanyo-dp50747 Extended Warranty: None	1	\$2,996.25 + \$0.00	User Userson 200 Breen Pl San Francisco, CA 94102 United States
			Method: 2-Day Express Shipping Status: Not Shipped

[Return to Shopping](#)

6. Known Issues

The web service calls to Virtual Piggy are currently not configured to use any timeout values. Demandware strongly recommends that site preference values be created to configure the timeout value on all web service calls.

7. Release History

Version	Date	Changes
1.2.1	05/31/2014>	New Credit Card capture functionality, so it can be added to the payment gateway for OMS processing. This process is PCI compliant and utilizes regular DW payment gateway logic.
1.2.0	12/13/2013>	Virtual Piggy rebranded to “Oink”
1.1.0	10/17/2012	Initial release