

OMMarketplace PunchOut Overview

Table of Contents

1	Overview	2
2	Differences From Existing OMDirect Implementation	2
2.1	Improved User interface.....	2
2.2	Shopping Lists vs Favorites	2
3	Shopping.....	3
4	Product Lookup	3
5	Purchase Order Submission	3
6	OMMarketplace Web Pages	4
6.1	Shopping Cart / Landing Page.....	4
6.2	Product Search	4-6
6.3	Product Search Results	6
6.4	Product Detail.....	7
6.5	Add To Cart.....	8
6.6	Shopping Cart Checkout	9
6.7	Shopping Lists	10-11

1 Overview

Conceptually, punchout is a “standardized” method for allowing one organization’s users direct shopping access into another organization’s ordering system without those users having to leave their own procurement system. The users login to their own procurement system and can then “punchout” into the O&M site to select products for purchase. Those products are returned to the users’ procurement system in a shopping cart which has also been temporarily persisted in the O&M system.

The O&M punchout implementation supports 3 logical transactions:

- Shopping (includes both the setup and shopping cart transactions)

- Product Lookup

- Purchase Order

2 Differences From Existing OMDirect Implementation

The punchout behavior should be largely unchanged in the new implementation. The message content and formats remains the same. Today’s messages sent with the new userids to the new endpoints, should result in the same responses that are received today from the OMDirect implementation.

2.1 Improved User interface

We believe the new implementation, which has been in operation (excluding punchout) for more than one year, has been thoroughly vetted, and presents a more user-friendly web-based method for interacting with Owens & Minor.

2.2 Shopping Lists vs Favorites

In OMMarketplace we use the term Shopping List as opposed to the term Favorites that is used in OMDirect. Conceptually, they are one in the same, with one difference. Shopping Lists within OMMarketplace are shared at the account level. This was not possible in OMDirect. Favorites were specific to a single user only. For this reason, we cannot automatically convert Favorites into Shopping Lists, but we will gladly assist in the process of migrating them - providing the list of existing Favorites and asking our customers to decide which should be migrated and under what Shopping List names.

3 Shopping

The shopping portion of the punchout experience is currently provided by the OMMarketplace application. Its 30-minute timeout policy applies to punchout shopping as well. If the timeout limit is exceeded, the user will be logged out, and will have to initiate another punchout session to begin shopping again. Cart contents will be lost once the session terminates.

The shopping session is actually preceded by an authentication / authorization operation. The allowed time period between this session and the shopping session is 5 minutes.

4 Product Lookup

Product Lookup is a variation on the Shopping setup request. In this case however, the response is a discreet set of information about the requested products.

In the cXML request document, extrinsic elements will be used to define the needed attributes for the product information lookup call. At this time, these elements are:

1. ItemNumberSearchType – values can be “is”, “starts with”, or “contains”
2. ItemNumberType – values can be DPN (Owens & Minor product number) or SKU (customer’s own item number which must also be defined in the Owens & Minor product cross-reference <PXR> for the selected account)
3. ItemNumber – The DPN or SKU for the requested item
4. RequestImage – a “1” or a “0” indicating whether or not an item image should be returned

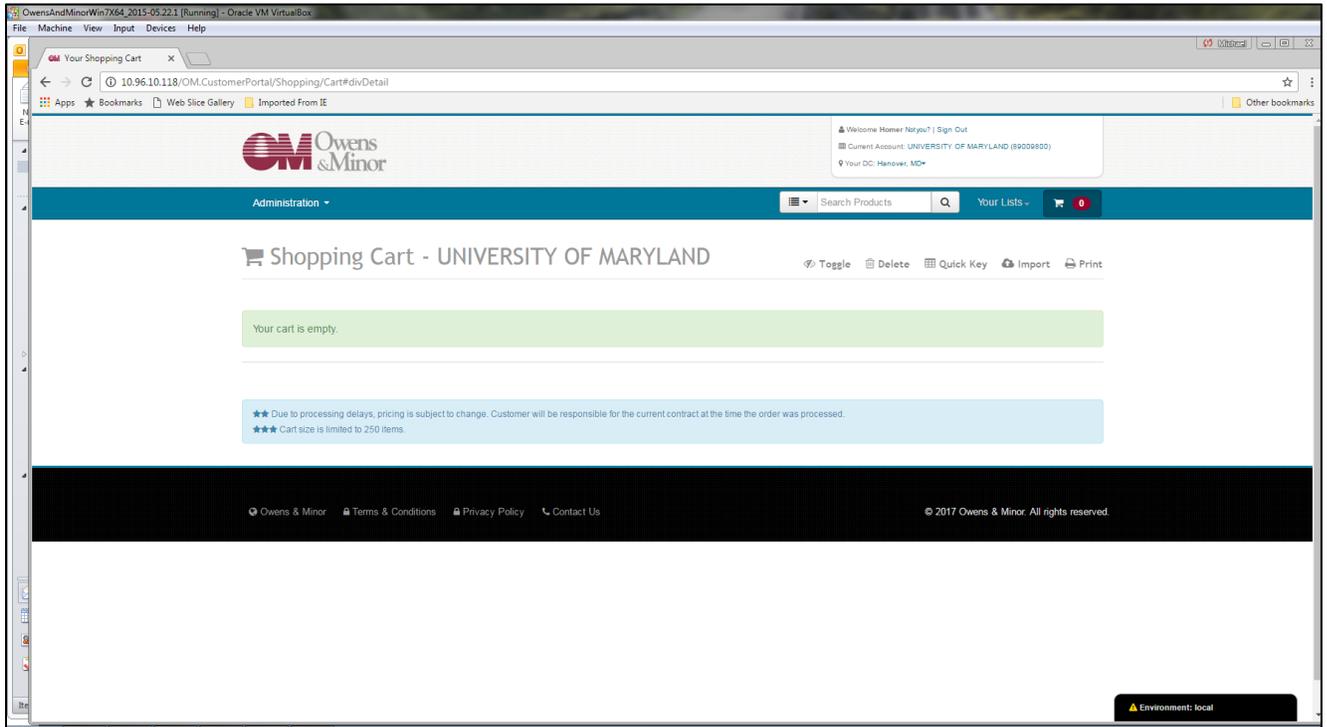
5 Purchase Order Submission

Purchase Orders may be submitted using the standard punchout definition. If confirmations are requested in the PO request, or if the account is configured for confirmations, the end-user will receive a confirmation of the submitted PO. Regardless, if there is a problem with the PO, the end-user will receive an informational email.

6 OMMarketplace Web Pages

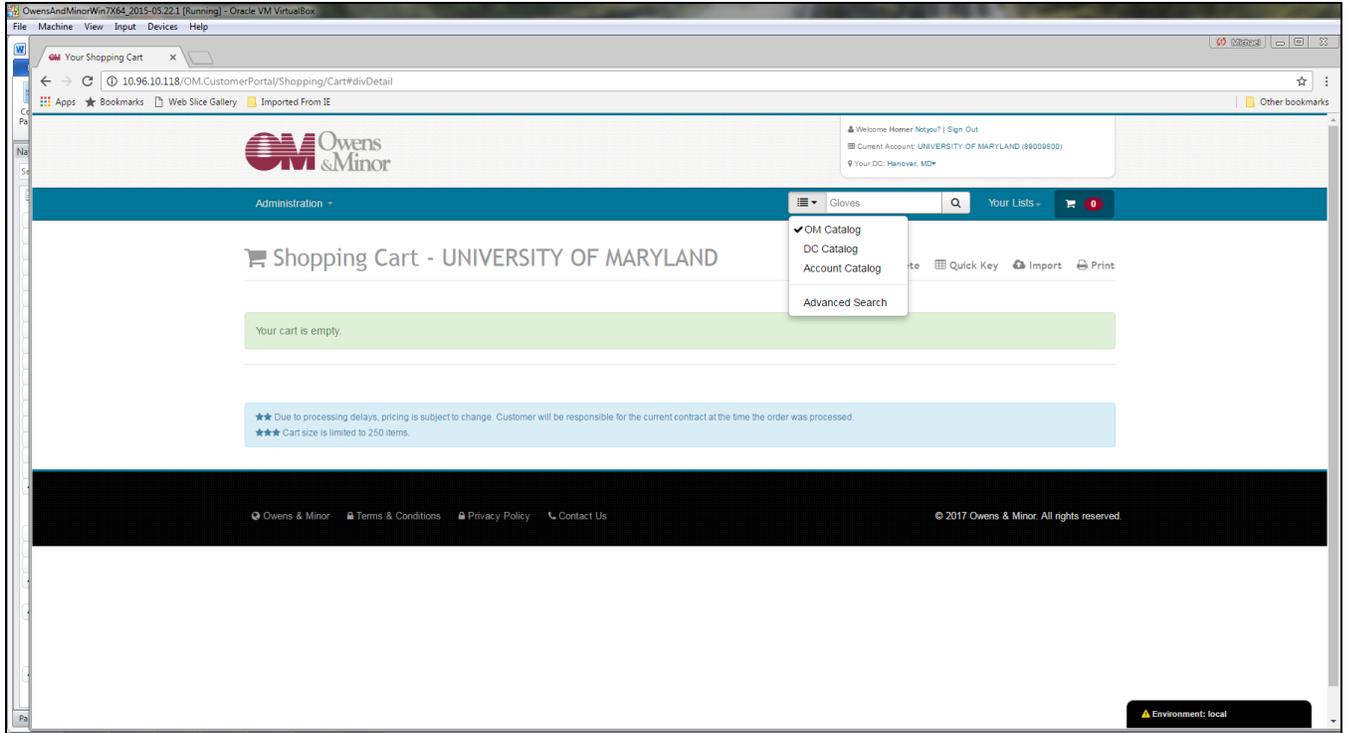
Shopping Cart / Landing Page

Punchout session will start from the shopping cart page in OMMarketplace.



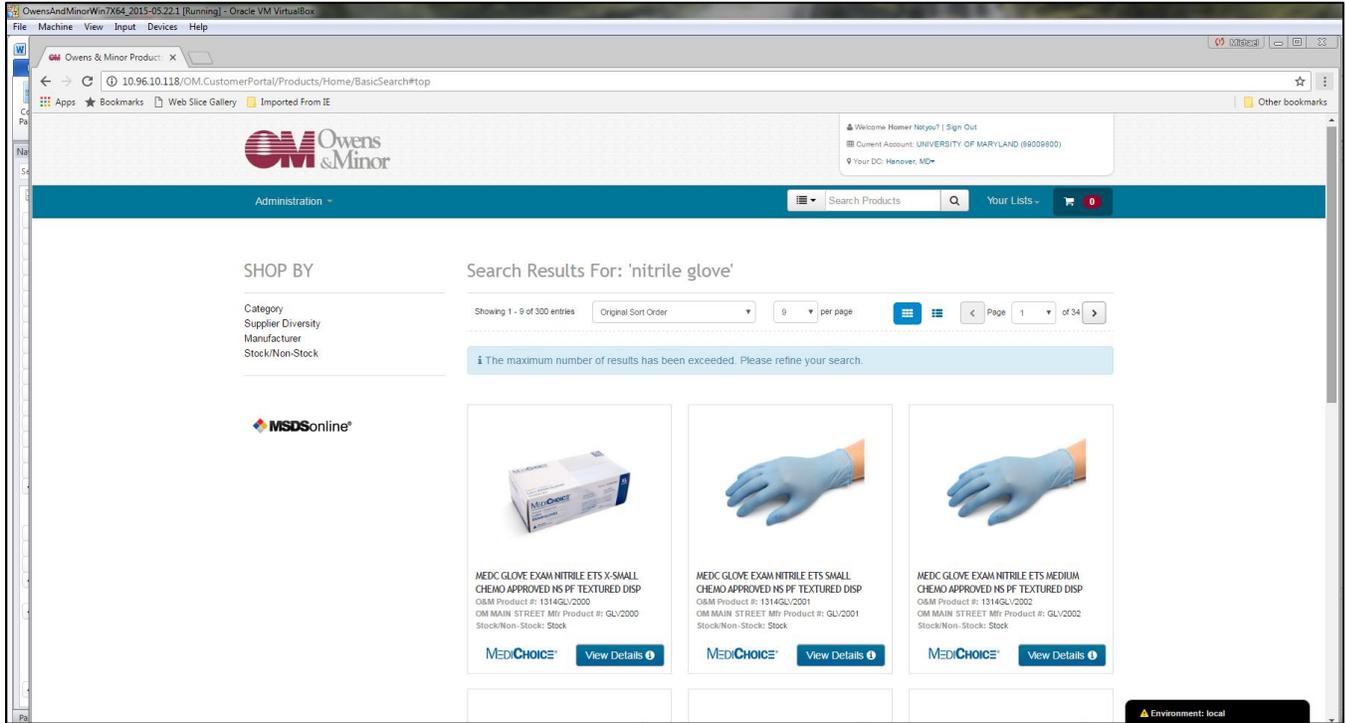
Product Search

Users may be limited to any of the 3 catalog levels available. Product quicksearch is keyword based. For a more directed search, users may wish to use the "Advanced Search" functionality. Search results are limited to 300 items.



Product Search Results

Product Search results displays basic product information, plus a single thumbnail image.



Product Detail

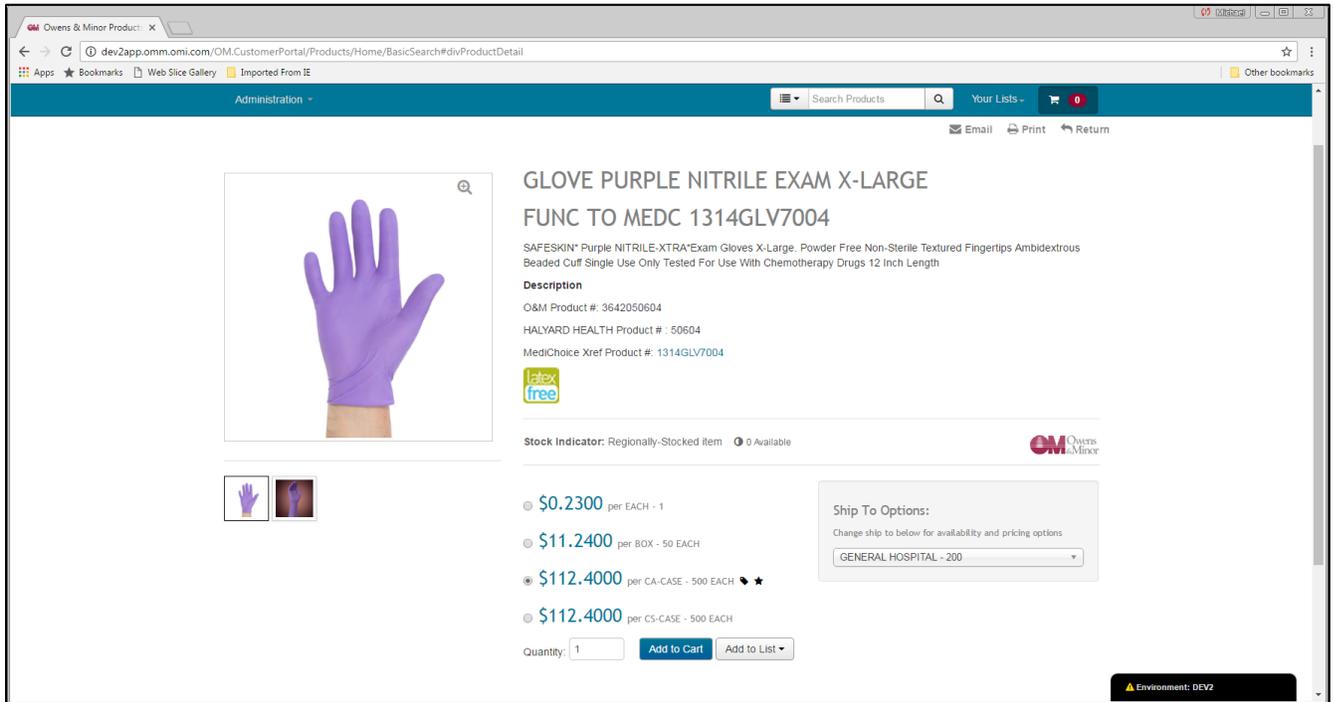
From product search results, click the “View Details” button to see additional product information and/or to add the product to your shopping cart or shopping lists.

The screenshot shows a web browser window with the URL `dev2app.omm.omi.com/OM.CustomerPortal/Products/Home/BasicSearch#divProductDetail`. The page displays the following information:

- Product Title:** GLOVE PURPLE NITRILE EXAM X-LARGE
FUNC TO MEDC 1314GLV7004
- Description:** SAFESKIN® Purple NITRILE-XTRA® Exam Gloves X-Large, Powder Free Non-Sterile Textured Fingertips Ambidextrous Beaded Cuff Single Use Only Tested For Use With Chemotherapy Drugs 12 Inch Length
- Product Identifiers:**
 - O&M Product #: 3642050604
 - HALYARD HEALTH Product #: 50604
 - MediChoice Xref Product #: 1314GLV7004
- Image:** A large image of a purple nitrile exam glove on a hand, with a search icon in the top right corner. Below it are two smaller thumbnail images.
- Stock Indicator:** Regionally-Stocked item 0 Available
- Pricing Options:**
 - \$0.2300 per EACH - 1
 - \$11.2400 per BOX - 50 EACH
 - \$112.4000 per CA-CASE - 500 EACH (Selected)
 - \$112.4000 per CS-CASE - 500 EACH
- Quantity:** 1
- Buttons:** Add to Cart, Add to List
- Ship To Options:** Change ship to below for availability and pricing options. Dropdown menu: GENERAL HOSPITAL - 200
- Environment:** DEV2

Add To Cart

From Product Detail, select UOM, enter quantity, and click on “Add to Cart”.



The screenshot shows a web browser window displaying a product detail page for 'GLOVE PURPLE NITRILE EXAM X-LARGE FUNC TO MEDC 1314GLV7004'. The page includes a large image of a purple nitrile glove, a search bar, and navigation links. The product description states: 'SAFESKIN® Purple NITRILE-XTRA® Exam Gloves X-Large. Powder Free Non-Sterile Textured Fingertips Ambidextrous Beaded Cuff Single Use Only Tested For Use With Chemotherapy Drugs 12 Inch Length'. The 'Description' section lists product identifiers: O&M Product #: 3642050604, HALYARD HEALTH Product #: 50604, and MediChoice Xref Product #: 1314GLV7004. A 'latex free' logo is present. The 'Stock Indicator' shows 'Regionally-Stocked Item' and '0 Available'. The pricing section lists four options: \$0.2300 per EACH - 1, \$11.2400 per BOX - 50 EACH, \$112.4000 per CA-CASE - 500 EACH (selected), and \$112.4000 per CS-CASE - 500 EACH. A 'Quantity' field is set to 1. The 'Add to Cart' button is highlighted. A 'Ship To Options' dropdown menu is set to 'GENERAL HOSPITAL - 200'. The O&M logo is visible in the top right. The browser address bar shows 'dev2app.omm.omi.com/OM.CustomerPortal/Products/Home/BasicSearch#divProductDetail'. The bottom right corner indicates 'Environment: DEV2'.

Shopping Cart Checkout

Enter a "PO Number", if required and click on "Complete Order" to begin the checkout process.

The screenshot displays the OMMarketplace Shopping Cart Checkout interface. The browser address bar shows the URL: dev2app.omm.omi.com/OM.CustomerPortal/Shopping/Cart#divDetail. The page title is "Shopping Cart - GENERAL HOSPITAL". The cart contains two items:

Product Name	Unit Price	Quantity	Unit of Measure	Sub Total
1 SAFESKIN® Purple NITRILE-XTRA® Exam Gloves X-Large, Powder-Free Non-Sterile Textured Fingertips Ambidextrous Beaded Cuff Single Use Only Tested For Use With Chemotherapy Drugs 12 Inch Length OM Product # 3642050004 HALYARD HEALTH Product # 50604	\$112.4000	1	CA-CASE - 500 EACH	\$112.4000
2 Kit Dressing Change Central Line Tegaderm 1626 With Tape Alcohol Swabstick Chloraprep Antiseptic 3Milliliter Applicator 4Ply 2X2inch Gauze 17X19inch Wrap Nitrile Exam Glove Mask 1X36inch Transpare Tape OM Product # 4304262837 MEDICAL ACTION INDUSTRIES INC Product # 262637	\$160.1200	2	CS-CASE - 20 EACH	\$320.2400

Buttons: [Cart to List](#), [Update Cart](#)

Shipping Address
GENERAL HOSPITAL - 200
GENERAL HOSPITAL
1800 SOUTHERN RD
Department Code: 436759
[Change Shipping Address](#)

Checkout
Grand Total: \$432.6400
PO Number: MR.DEV.01.23
[Complete Order](#)

*** Due to processing delays, pricing is subject to change. Customer will be responsible for the current contract at the time the order was processed.
*** Cart size is limited to 250 items.

Environment: DEV2

Shopping Lists

Click on “Your Lists” in the site header and then choose a specific list, or proceed to the “Manage List” page.

Shopping Lists are shared across the account.

The screenshot shows a web browser window displaying the Owens & Minor List Management page. The browser address bar shows the URL: dev2app.omm.omi.com/OM.CustomerPortal/Shopping/List/All. The page header includes the Owens & Minor logo, a user welcome message for 'Homer Nerys', and account details for 'GENERAL HOSPITAL (85300000)'. The main navigation bar features a search bar, a 'Your Lists' dropdown menu with a notification badge, and a 'Create' button. The 'Your Lists' dropdown menu is open, showing options for 'Sample List' and 'Manage Lists'. The main content area is titled 'List Management' and displays a table with one entry: 'Sample List' with a SHIPTOCODE of 200, SHIP TO DESCRIPTION of GENERAL HOSPITAL - 0200, and a last change date of 1/23/2017. The table has columns for DESCRIPTION, SHIPTOCODE, SHIP TO DESCRIPTION, LAST CHANGE USER, LAST CHANGED, and ACTIONS. The footer contains links for Owens & Minor, Terms & Conditions, Privacy Policy, and Contact Us, along with a copyright notice for 2017 Owens & Minor. An environment indicator 'Environment: DEV2' is visible in the bottom right corner.

Select a specific list to display the items on that list.

The screenshot displays the 'Shopping List - Sample List' page in a web browser. The browser address bar shows the URL: dev2app.omm.omi.com/OM.CustomerPortal/Shopping/List/Index/74165#divDetail. The page header includes the Owens & Minor logo, a search bar, and a 'Your Lists' dropdown menu with a cart icon showing 2 items. The main content area features a table with two items:

Add to Cart	Product Name	Quantity	Unit of Measure
1	 SAFESKIN® Purple NITRILE XTRA™ Exam Gloves X-Large, Powder Free Non-Sterile Textured Fingertips Ambidextrous Beaded Cuff Single Use Only Tested For Use With Chemotherapy Drugs 12 Inch Length Customer Product # OM Product # 3642050604 HALYARD HEALTH Product # 50604	1	CA-CASE - 500 EACH
2	 Kit Dressing Change Central Line Tegaderm 1626 With Tape Alcohol Swabstick Chloragreg Antiseptic 3Milliliter Applicator 4Ply 2X2Inch Gauze 17X19Inch Wrap Nitrile Exam Glove Mask 1X30Inch Transpare Tape Customer Product # OM Product # 4304262837 MEDICAL ACTION INDUSTRIES, INC	2	CS-CASE - 20 EACH

Below the table, there are buttons for 'Add Selected to Cart', 'Add All to Cart', and 'Save List'. A note states: '*Note: Checked items not added to cart before leaving this page will be deselected.' The footer contains links for 'Owens & Minor', 'Terms & Conditions', 'Privacy Policy', and 'Contact Us', along with the copyright notice '© 2017 Owens & Minor. All rights reserved.' and an 'Environment: DEV2' status indicator.