iOperate Inventory Web Service
(Ver 1.01: 09-Dec-2005)

Overview

The iOperate inventory web service provides Chrome52 clients the ability to access current inventory quantity values for each distribution centre operated by Chrome52. The values are provided based on a single Sku (as set-up in iOperate). The URL for the web service for live and testing is:

http://www.iOperate.net/ws/inventory/inventoryws.asmx

Sample SOAP Request

Items in blue to be replaced by actual values

```
POST /ws/inventory/inventoryws.asmx HTTP/1.1
Host: www.ioperate.net
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://chrome52/webservices/InventoryCountQuery"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <InventoryCountQuery xmlns="http://chrome52/webservices/">
      <VendorCode>DMO</VendorCode>
      <VendorAccessKey>0123456789ABCDEF</VendorAccessKey>
      <Sku>AAA-01-XX</Sku>
    </InventoryCountQuery>
  </soap:Body>
</soap:Envelope>
```

Sample SOAP Response

Items in blue to be replaced by actual values

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <InventoryCountQueryResponse xmlns="http://chrome52/webservices/">
      <InventoryCountQueryResult>
        <Result>SUCCESS</Result>
        <ErrorDesc></ErrorDesc>
        <ErrorNumber>0</ErrorNumber>
        <QueryResults>
         <Sku>AAA-01-XX</Sku>
         <Counts>
           <InventoryCount>
              <WHID>0001</WHID>
              <AvailableToAllocate>0</AvailableToAllocate>
              <AllocatedAndReleased>0</AllocatedAndReleased>
              <Backordered>0</Backordered>
              <Cancelled>0</Cancelled>
              <Unreleased>0</Unreleased>
              <BeingManufactured>0</BeingManufactured>
```

```xml
                    <TotalExpected>0</TotalExpected>
                    <TotalReceived>0</TotalReceived>
                    <TotalShipped>0</TotalShipped>
                    <StockTransferIn>0</StockTransferIn>
                    <StockTransferOut>0</StockTransferOut>
                    <OriginalPO>0</OriginalPO>
                    <AmendedPO>0</AmendedPO>
                    <UnshippedPO>0</UnshippedPO>
                    <ActiveShipment>0</ActiveShipment>
                    <AvailableToSell>0</AvailableToSell>
                    <CurrentInStock>0</CurrentInStock>
                    <TotalSalesOrder>0</TotalSalesOrder>
                    <ReceivingVariance>0</ReceivingVariance>
                    <WarehouseVariance>0</WarehouseVariance>
                </InventoryCount>
            </Counts>
        </QueryResults>
      </InventoryCountQueryResult>
    </InventoryCountQueryResponse>
  </soap:Body>
</soap:Envelope>
```

Element Definitions

Element	Required	Type	Length	Description / Values
Request Fields				
InventoryCountQuery	yes	container		
InventoryCountQuery/ VendorCode	yes	string	3	Vendor code as assigned by Chrome52.
InventoryCountQuery/ VendorAccessKey	yes	string	16	Vendor access key as assigned by Chrome52.
InventoryCountQuery/ Sku	yes	string	250	The item's sku as represented in iOperate.
Response Fields				
InventoryCountQueryResult	yes	container		
../Result	yes	string	7	"SUCCESS" of "FAILURE"
../ErrorDesc	no	string	long	Description of any error encountered.
../ErrorNumber	yes	integer	2	0 = No Error. 10 = Unauthorized. 20 = Sku not found. 21 = Vendor Code missing. 30 = Internal Error.
../QueryResults	yes	container		
../QueryResults/Sku	yes	string	250	The same Sku submitted.
../QueryResults/Counts	yes	container		
../../Counts/InventoryCount	yes	container		The quantities for a single DC.
../../../InventoryCount/WHID	yes	string	4	The wharehouse code to which this count pertains.
../../../InventoryCount/ AvailableToAllocate	yes	integer	4	Quantity physically on the warehouse shelf and ready to allocate to sales orders.
../../../InventoryCount/ AllocatedAndReleased	yes	integer	4	Quantity commited and allocated to released sales orders.
../../../InventoryCount/ Backordered	yes	integer	4	Quantity in unreleased and unallocated sales orders that are backorders.
../../../InventoryCount/ Cancelled	yes	integer	4	Quantity in cancelled sales orders.
../../../InventoryCount/ Unreleased	yes	integer	4	Quantity in unreleased and unallocated sales orders (including backorders).
../../../InventoryCount/ BeingManufactured	yes	integer	4	Quantity in purchase orders and not yet received.
../../../InventoryCount/ TotalExpected	yes	integer	4	Quantity expected to be received by Chrome52 - from finialized purchase orders.
../../../InventoryCount/ TotalReceived	yes	integer	4	Quantity physically received by Chrome52.
../../../InventiryCount/ TotalShipped	yes	integer	4	Quantity physically shipped by Chrome52.
../../../InventoryCount/ StockTransferIn	yes	integer	4	Quantity being shipped into this warehouse from another Chrome52 warehouse.
../../../InventoryCount/ StockTransferOut	yes	integer	4	Quantity being shipped out of this warehouse to another Chrome52 warehouse.
../../../InventoryCount/ OriginalPO	yes	integer	4	Quanity originally on purchase orders.
../../../InventoryCount/ AmendedPO	yes	integer	4	Quantity on purchase orders after amendments.
../../../InventoryCount/ UnshippedPO	yes	integer	4	Quantity on purchase orders not shipped or delivered by manufacturer.
../../../InventoryCount/ ActiveShipment	yes	integer	4	Quantity from purchase orders in shipment from manufactuer.
../../../InventoryCount/ AvailableToSell	yes	integer	4	Quantity available to sell to customers: utilizes unallocated in-stock and quantities from the manufacturer.
../../../InventoryCount/ CurrentlyInStock	yes	integer	4	Quantity available to sell to customers: utilizes only unallocated in-stock.
../../../InventoryCount/ TotalSalesOrders	yes	integer	4	Quantity on all sales orders created, allocated or shipped.
../../../InventoryCount/ ReceivingVariance	yes	integer	4	Variance to quantities discovered at receiveing. (Actual receipts less quantity expected).
../../../InventiryCount/ WarehouseVariance	yes	integer	4	Variance to quantities discovered during warehouse operations.