

Self-Evaluation for High Volume Order Import (HVOP)

With the release of HVOP, you have a new way to import orders into Order Management. But is the new functionality a good fit for your business? This self-evaluation is designed to walk you through a variety of functional issues, and help you assess whether to implement HVOP. It may also prompt you to consider whether you could give up a feature in exchange for higher order import performance.

HVOP improves performance through the use of simple processing and streamlined functionality. If you require full feature support, you can use standard Order Import. You may decide to use either HVOP or standard Order Import, or you may decide to use some combination of the two. For instance, if 90% of your orders are for standard items and 10% are for configurations, you might want to use HVOP for 90% of your orders, and use standard Order Import for 10%. Or you might choose to use HVOP for the import processing of your outbound lines, and use standard Order Import for return lines.

Keep in mind that some functionality is supported by not optimized for HVOP. Examples include Basic and Advanced Pricing (without pricing attributes, coupons, and ask-for promotions), and Shipping Integration. Another example is scheduling via workflow. To improve performance, you might want to use Autoschedule to schedule lines.

Credit Checking is supported. You can use either real-time credit exposure calculations or pre-calculated exposures, a feature introduced in Order Management Family Pack H. For best performance, use the pre-calculated exposure functionality, and consider limiting the use of Credit Checking to higher-risk customers.

Volume

How many sales order lines per day are imported into Order Management?

You may be wondering whether your order volume is high enough to be a good candidate for HVOP. If you're importing very large volumes of 100,000 lines per day or more, you will want to consider HVOP. And you may not need to consider HVOP if you are importing 15,000 or 30,000 lines per day.

But there are other factors to consider than the number of imported lines. Do you have a very small window of time in which to import a large number of lines? If you have to import 5000 lines per CPU in an hour, you may want to consider HVOP.

Also consider your hardware. If your processing power is not optimal and your memory is limited, HVOP could be an option to consider. With a powerful machine, you might not need HVOP for importing 30,000 lines per day. But if

processors are slow and memory is scarce, it's reasonable to evaluate how HVOP can be useful.

With HVOP you could see very significant performance improvements of three-fold or more. But the performance improvements will vary, depending on what functionality you use, and also your hardware platform. If you are credit-checking all orders, for example, you will not see the same performance improvement as someone who does not perform credit checking. To improve performance, reduce the use of features that are supported but not optimized for HVOP. Obviously you will also want to consider hardware upgrades.

Import Actions

What import actions does your business require?

HVOP is for orders that are being created at import, either through Order Import or EDI functionality.

HVOP supports Order Creation and Booking. The creation of supported entities includes Order Headers, Order Lines, and Order and Line Price Adjustments. However, HVOP does not support update and delete operations. It also does not creating new lines on an existing order.

Business Flows

What business flows do you require?

Shippable and non-shippable flows are supported. However, HVOP does not support Returns and Drop Ship lines. It does not support outbound order lines and returns on the same order.

Types of Items

What types of items are imported?

HVOP supports standard items and kits. It does not support other types of items, including service. It also does not support ATO items. No configurations are supported except for kits.

Defaulting

Does your business require the use of the full defaulting framework?

HVOP does not support the use of the defaulting framework to specify defaulting sources. However, one of the following options may work for you.

- You always have the option to populate all values directly in the interface tables, not using defaulting at all.

- Another option is use limited defaulting sources and a fixed hierarchy of source ordering. Source attributes are listed below. For a comprehensive list of the defaulting hierarchy for each attribute that can be defaulted in HVOP, please refer to the Implementation Guide.

Source Attributes for the Header:	Source Attributes for the Line:
Agreements	Order Header*
Invoice To	Ship To
Ship To	Item
Order Type	

Note that all line level attributes can default from the header, with the exception of subinventory.

Some attributes cannot be defaulted, and must be provided directly with EDI:

Attributes that must be provided directly with EDI:
Agreement
Currency
Customer / Contact
Customer PO
Deliver To / Deliver To Contact
Invoice To / Invoice To Contact
Ship To / Ship To Contact
Salesperson
Shipping / Packing Instructions
Sales Channel
Subinventory

Scheduling

Is it a requirement to check ATP?

HVOP supports ATP check. However please note that ATP check is not optimized for HVOP and if majority of the processing time is spent in ATP checks, the business may not be a good fit for HVOP.

Do you need to reserve items at the point of order entry?

Reservations are not imported, and the Reservation Time fence is not supported. After importing the orders, you could run the Reserve Orders concurrent programs released with Family Pack H.

To improve performance, you might want to consider not using reservations. Another alternative is to postpone reservations until the time of pick release.

How are you scheduling?

Autoscheduling is supported, and optimized for performance. Regular scheduling via workflow can be performed but is not optimized. If scheduling is performed via workflow, the Reservation Time fence is supported.

Autoscheduling does not support the Reservation Time fence. Lines can be autoscheduled in one of two ways. One is by supplying the Schedule Date directly on the interface tables. The other is through the use of the profile option OM: Autoschedule.

Do you require the use of sets?

HVOP does not support ship sets, arrival sets, or fulfillment sets.

Pricing and Invoicing Issues

Are you sending pre-priced orders, or are you using Oracle Pricing to price the orders?

HVOP supports both Basic and Advanced Pricing. However, pricing functionality is not optimized. This means that if your business uses complex pricing setups and prior performance analysis has identified pricing as the bottleneck, improvements observed with HVOP will be smaller in magnitude.

Do most of your order lines have the same Bill To as the header?

HVOP requires that the Bill To at the line be the same as the Bill To on the header.

Is it necessary to calculate tax at the time of order entry?

HVOP does not support tax calculation at order entry. With HVOP, tax calculation is delayed until the invoice is created. This means that credit checking will not include tax.

Do you import adjustments in addition to the pricing information?

HVOP supports only these types of manual adjustments: Discount, Freight Charge, Surcharge, and Price Break.

Automatic adjustments can be applied if the order is priced during high-volume order import.

Do you import orders that with promotions, coupons and / or pricing attributes?

The use of pricing attributes, coupons, and ask-for promotins is not supported by HVOP.

Are you using Commitments?

The use of commitments is not supported by HVOP.

Are you using iPayment Integration for credit card processing?

HVOP does not support iPayment Integration and credit card orders.

Are you credit checking your orders?

Credit-checking functionality is supported by HVOP, although it is not optimized for higher performance. Credit checking can be set up to calculate real-time credit exposures, or pre-calculated exposure. For optimal performance, use the pre-calculated exposure functionality introduced in Order Management Family Pack H.

For further performance improvement, consider credit checking a limited number of orders. If you always ship to a customer regardless of the credit rating, or if the customer is known to be a good credit -risk, you can recognize performance gains by not credit-checking the company.

Note that credit check processing does not include tax.

Sales Credits

Do you require multiple sales credits with different percentages?

If this is a requirement for your business, HVOP is not a good fit because it does not import sales credits.

However, the system automatically creates a 100% sales credit for the salesperson on the order header. If the salesperson on the line is the same as the salesperson on the header, then no sales credit is created at the line level. But if the salesperson on the line differs from the salesperson on the header, the system generates 100% sales credit for the salesperson on the line and 100% sales credit for the salesperson on the header. This is consistent with regular order entry. For high volume order processing, the data in the sales credit interface tables is not processed.

Customer Issues

Is Add Customer functionality required?

The Add Customer functionality is not supported.

Are Customer Relationships supported?

Customer Relationships are supported.

Holds

Are you processing holds?

This will not be an issue, as HVOP supports holds processing.

Constraints

Is it a requirement to enforce constraints at the time of order creation?

HVOP does not check constraints when creating the order. At the time of order creation, most businesses do not require checking constraints. However, each user needs to decide if this will be an issue for his / her business.

Other Unsupported Features

Do you require the following functionality?

Other features not supported by HVOP are below:

Unsupported Features:
Processing Constraints and Audit Trail
Internal Orders
Gapless Order Numbering
Process Manufacturing Integration