The key idea of Order Split is to split an order (either frontend or backend) into sub-orders whose items are only of the same fulfillment type.

4 fulfillment types are allowed: DotCom, Dropship, Virtual and Other

Orders are recursively split and placed until the items have the same fulfillment type.

The splitting logic utilized the quote of the order to create new quote and place a new order.

**[Note]** The original quote is required for this process to finish. *In future releases, we can try to relax this restriction. We will need a deep copy of the quote object, including all quote items and item options.* For now, the original quote id is temporarily set in the order data by events. This data is volatile and saved by fulfillment order item queue for future uses.

Once the order items have the same fulfillment type, the order split will evoke fulfillment modules to continue the process. For virtual order, the payment is captured right away.

**[Note]** Coupons are also split by this module. Item based coupons are preserved for each new quote item. Cart (global) level coupons are applied to the virtual order first, then others.

**[Note]** Giftcards are first credited back to the giftcard account and then applied to each new order.

**[Note]** Shipping cost is re-calculated. With the current logic, the shipping cost is based on each item. Recalculation should generate the same amount. *In the future, if dimensional shipping starts to combine items to save cost, this logic must be modified accordingly.*

**[Note]** Tax is posted to SpeedTax upon creating order invoice. This request is in real time.