

Validate Product (After)

This action occurs after validating a [subscription](#) product. Changes made to the subscription or subscription items in this action persist in Kibo.

Use this `validateProduct` action for performing line item adjustments when adding an item, updating a quantity, or creating a subscription. For making line item adjustments when a subscription is converted from an order, use the [flattenBundleOnConvert](#) action.

| | |
|--|--|
| Action Type | Embedded |
| Full Action ID | <code>embedded.commerce.subscription.validateProductAfter</code> |
| Runs multiple custom functions? | No |

JavaScript File Structure

Action files share the following basic structure:

```
module.exports = function(context, callback) {  
  // Your custom code here  
  callback();  
};
```

When you code the custom function for an action, you have access to two arguments:

`callback` —This argument follows the established JavaScript callback pattern: it takes an error as the first argument (or null if there is no error) and a result as the second argument (if required).

`context` —This argument provides the function access to relevant objects and methods that interface with Kibo.

Context: Subscription

The following methods and objects are available to this action through the use of the `context` argument.

Microservice Operation

This action corresponds to the microservice that performs actions on a subscription.

Get Methods

- [get.subscription](#)
- [get.subscriptionItem](#)

Exec Methods

- [exec.setItemOverridePrice](#)
- [exec.setLineItemAdjustment](#)

Context Objects Available to All Actions

- [apiContext](#)
- [configuration](#)

Get

get.subscription

Obtains a response that includes information about the current subscription.

When the subscription includes a [configurable bundle](#), the subscription context usually contains flattened line items while the subscriptionItem context contains data of the parent item. However, if you update an item's quantity then both the subscription and subscriptionItem context will contain the data of flattened items. Refer to `item.parentItemCode` for identifying the parent item as needed.

| Parameters | Type | Description |
|------------|------|-------------|
| N/A | N/A | N/A |

Example:

```
context.get.subscription();
```

Response:

```
{
  "id": "string",
  "siteId": 0,
  "tenantId": 0,
  "number": 0,
  "parentOrderId": "string",
  "items": [
    {
      "localeCode": "string",
      "purchaseLocation": "string",
      "lineId": 0,
      "product": {
        "productCode": "string",
        "name": "string",
        "description": "string",
        "goodsType": "string",
        "isPackagedStandAlone": false,
        "stock": {
          "manageStock": false,
          "isOnBackOrder": false,
          "availableDate": "1970-01-01T00:00:00.000Z".
        }
      }
    }
  ]
}
```

```
"stockAvailable": 0,
"aggregateInventory": 0
},
"productReservationId": 0,
"allocationId": 0,
"allocationExpiration": "1970-01-01T00:00:00.000Z",
"measurements": {
  "height": {
    "unit": "string",
    "value": 0
  },
  "width": {
    "unit": "string",
    "value": 0
  },
  "length": {
    "unit": "string",
    "value": 0
  },
  "weight": {
    "unit": "string",
    "value": 0
  }
},
"fulfillmentStatus": "string",
"mfgPartNumber": "string",
"upc": "string",
"sku": "string",
"fulfillmentTypesSupported": [
  "string"
],
"imageAlternateText": "string",
"imageUrl": "string",
"variationProductCode": "string",
"options": [
  {
    "name": "string",
    "value": "?",
    "shopperEnteredValue": "?",
    "attributeFQN": "string",
    "dataType": "string",
    "stringValue": "string"
  }
],
"properties": [
  {
    "attributeFQN": "string",
    "name": "string",
    "dataType": "string",
    "isMultiValue": false,
    "values": [
      {
        "stringValue": "string",
        "value": "?"
      }
    ]
  }
]
},
"categories": [
```

```
{
  "id": 0,
  "parent": "/specs/openapi_subscription.yaml?ver=1.2218.4#/components/schemas/CommerceRuntimeCategory"
}
],
"price": {
  "price": 0,
  "salePrice": 0,
  "tenantOverridePrice": 0,
  "msrp": 0,
  "creditValue": 0,
  "priceListCode": "string",
  "priceListEntryMode": "string"
},
"discountsRestricted": false,
"discountsRestrictedStartDate": "1970-01-01T00:00:00.000Z",
"discountsRestrictedEndDate": "1970-01-01T00:00:00.000Z",
"isRecurring": false,
"isTaxable": false,
"productType": "string",
"productUsage": "string",
"bundledProducts": [
  {
    "productCode": "string",
    "name": "string",
    "description": "string",
    "goodsType": "string",
    "isPackagedStandAlone": false,
    "stock": {
      "manageStock": false,
      "isOnBackOrder": false,
      "availableDate": "1970-01-01T00:00:00.000Z",
      "stockAvailable": 0,
      "aggregateInventory": 0
    },
    "productReservationId": 0,
    "allocationId": 0,
    "allocationExpiration": "1970-01-01T00:00:00.000Z",
    "measurements": {
      "height": {
        "unit": "string",
        "value": 0
      },
      "width": {
        "unit": "string",
        "value": 0
      },
      "length": {
        "unit": "string",
        "value": 0
      },
      "weight": {
        "unit": "string",
        "value": 0
      }
    }
  },
  "fulfillmentStatus": "string",
  "quantity": 0,
  "optionAttributeFON": "string"
```

```
    "optionValue": "?",
    "creditValue": 0,
    "deltaPrice": 0
  }
],
"fulfillmentFields": [
  {
    "name": "string",
    "userEnteredValue": "?",
    "required": false
  }
]
},
"quantity": 0,
"isRecurring": false,
"isTaxable": false,
"subtotal": 0,
"extendedTotal": 0,
"taxableTotal": 0,
"discountTotal": 0,
"discountedTotal": 0,
"itemTaxTotal": 0,
"shippingTaxTotal": 0,
"shippingTotal": 0,
"handlingAmount": 0,
"feeTotal": 0,
"total": 0,
"unitPrice": {
  "extendedAmount": 0,
  "listAmount": 0,
  "saleAmount": 0,
  "overrideAmount": 0
},
"productDiscount": {
  "impact": 0,
  "discount": {
    "id": 0,
    "name": "string",
    "itemIds": [
      "string"
    ],
  },
  "expirationDate": "1970-01-01T00:00:00.000Z",
  "hasMultipleTargetProducts": false
},
"couponCode": "string",
"excluded": false,
"appliesToSalePrice": false,
"discountQuantity": 0
},
"productDiscounts": [
  {
    "impact": 0,
    "discount": {
      "id": 0,
      "name": "string",
      "itemIds": [
        "string"
      ],
    },
    "expirationDate": "1970-01-01T00:00:00.000Z",
```

```
"hasMultipleTargetProducts": false
},
"couponCode": "string",
"excluded": false,
"appliesToSalePrice": false,
"discountQuantity": 0
}
],
"shippingDiscounts": [
{
"methodCode": "string",
"discount": {
"impact": 0,
"discount": {
"id": 0,
"name": "string",
"itemIds": [
"string"
],
"expirationDate": "1970-01-01T00:00:00.000Z",
"hasMultipleTargetProducts": false
},
"couponCode": "string",
"excluded": false
},
"discountQuantity": 0,
"impactPerUnit": 0
}
],
"data": {},
"taxData": {},
"auditInfo": {
"updateDate": "1970-01-01T00:00:00.000Z",
"createDate": "1970-01-01T00:00:00.000Z",
"updateBy": "string",
"createBy": "string"
},
"shippingAmountBeforeDiscountsAndAdjustments": 0,
"weightedOrderAdjustment": 0,
"weightedOrderDiscount": 0,
"adjustedLineItemSubtotal": 0,
"totalWithoutWeightedShippingAndHandling": 0,
"weightedOrderTax": 0,
"weightedOrderShipping": 0,
"weightedOrderShippingDiscount": 0,
"weightedOrderShippingManualAdjustment": 0,
"weightedOrderShippingTax": 0,
"weightedOrderHandlingFee": 0,
"weightedOrderHandlingFeeTax": 0,
"weightedOrderHandlingFeeDiscount": 0,
"weightedOrderDuty": 0,
"totalWithWeightedShippingAndHandling": 0,
"weightedOrderHandlingAdjustment": 0,
"autoAddDiscountId": 0,
"isAssemblyRequired": false,
"childItemIds": [
"string"
],
"parentItemId": "string",
"inventoryTags": [
```

```
...inventoryPage : {
  {
    "name": "string",
    "value": "string"
  }
},
"lineItemAdjustment": 0,
"id": "string",
"fulfillmentLocationCode": "string",
"fulfillmentMethod": "string",
"parentItemCode": "string"
}
],
"payment": {
  "id": "string",
  "groupId": {
    "targetType": "string",
    "targetId": "string",
    "targetNumber": 0
  },
  "paymentServiceTransactionId": "string",
  "availableActions": [
    "string"
  ],
  "orderId": "string",
  "paymentType": "string",
  "paymentWorkflow": "string",
  "externalTransactionId": "string",
  "billingInfo": {
    "paymentType": "string",
    "paymentWorkflow": "string",
    "billingContact": {
      "id": 0,
      "email": "string",
      "firstName": "string",
      "middleNameOrInitial": "string",
      "lastNameOrSurname": "string",
      "companyOrOrganization": "string",
      "phoneNumbers": {
        "home": "string",
        "mobile": "string",
        "work": "string"
      },
    },
    "address": {
      "address1": "string",
      "address2": "string",
      "address3": "string",
      "address4": "string",
      "cityOrTown": "string",
      "stateOrProvince": "string",
      "postalOrZipCode": "string",
      "countryCode": "string",
      "addressType": "string",
      "isValidated": false
    }
  },
  "isSameBillingShippingAddress": false,
  "card": {
    "paymentOrCardType": "string",
    "cardNumberPartOrMask": "string",
```

```
"expireMonth": 0,
"expireYear": 0,
"bin": "string",
"paymentServiceCardId": "string",
"isUsedRecurring": false,
"nameOnCard": "string",
"isCardInfoSaved": false,
"isTokenized": false,
"ccLastFour": "string"
},
"token": {
  "paymentServiceTokenId": "string",
  "type": "string"
},
"purchaseOrder": {
  "purchaseOrderNumber": "string",
  "paymentTerm": {
    "code": "string",
    "description": "string"
  },
  "customFields": [
    {
      "code": "string",
      "label": "string",
      "value": "string"
    }
  ]
},
"check": {
  "checkNumber": "string"
},
"auditInfo": {
  "updateDate": "1970-01-01T00:00:00.000Z",
  "createDate": "1970-01-01T00:00:00.000Z",
  "updateBy": "string",
  "createBy": "string"
},
"storeCreditCode": "string",
"storeCreditType": "string",
"customCreditType": "string",
"externalTransactionId": "string",
"isRecurring": false,
"recurringTransactionId": "string",
"data": {}
},
"data": {},
"status": "string",
"subPayments": [
  {
    "status": "string",
    "amountCollected": 0,
    "amountCredited": 0,
    "amountRequested": 0,
    "amountRefunded": 0,
    "target": {
      "targetType": "string",
      "targetId": "string",
      "targetNumber": 0
    }
  }
]
}
```



```
,
],
"interactions": [
  {
    "id": "string",
    "gatewayInteractionId": 0,
    "paymentId": "string",
    "orderId": "string",
    "target": {
      "targetType": "string",
      "targetId": "string",
      "targetNumber": 0
    },
    "currencyCode": "string",
    "interactionType": "string",
    "checkNumber": "string",
    "status": "string",
    "paymentEntryStatus": "string",
    "isRecurring": false,
    "isManual": false,
    "gatewayTransactionId": "string",
    "gatewayAuthCode": "string",
    "gatewayAVSCodes": "string",
    "gatewayCVV2Codes": "string",
    "gatewayResponseCode": "string",
    "gatewayResponseText": "string",
    "gatewayResponseData": [
      {
        "key": "string",
        "value": "string"
      }
    ],
    "paymentTransactionInteractionIdReference": 0,
    "amount": 0,
    "note": "string",
    "interactionDate": "1970-01-01T00:00:00.000Z",
    "auditInfo": {
      "updateDate": "1970-01-01T00:00:00.000Z",
      "createDate": "1970-01-01T00:00:00.000Z",
      "updateBy": "string",
      "createBy": "string"
    },
    "returnId": "string",
    "refundId": "string",
    "capturableShipmentsSummary": [
      {
        "shipmentNumber": 0,
        "shipmentTotal": 0,
        "amountApplied": 0
      }
    ]
  }
],
"isRecurring": false,
"amountCollected": 0,
"amountCredited": 0,
"amountRequested": 0,
"changeMessages": [
  {
    "id": "string",
```

```
"correlationId": "string",
"userId": "string",
"userFirstName": "string",
"userLastName": "string",
"userScopeType": "string",
"appld": "string",
"appKey": "string",
"appName": "string",
"subjectType": "string",
"success": false,
"identifier": "string",
"subject": "string",
"verb": "string",
"message": "string",
"metadata": "?",
"createDate": "1970-01-01T00:00:00.000Z",
"attributes": {}
}
],
"auditInfo": {
  "updateDate": "1970-01-01T00:00:00.000Z",
  "createDate": "1970-01-01T00:00:00.000Z",
  "updateBy": "string",
  "createBy": "string"
},
"gatewayGiftCard": {
  "id": "string",
  "cardNumber": "string",
  "cardPin": "string",
  "amount": 0,
  "currencyCode": "string"
}
},
"priceListCode": "string",
"notes": [
  {
    "id": "string",
    "text": "string",
    "auditInfo": {
      "updateDate": "1970-01-01T00:00:00.000Z",
      "createDate": "1970-01-01T00:00:00.000Z",
      "updateBy": "string",
      "createBy": "string"
    }
  }
],
"oneTimeCouponCodes": [
  "string"
],
"changeMessages": [
  {
    "id": "string",
    "correlationId": "string",
    "userId": "string",
    "userFirstName": "string",
    "userLastName": "string",
    "userScopeType": "string",
    "appld": "string",
    "appKey": "string",
    "appName": "string"
```

```
    "approval": "string",
    "subjectType": "string",
    "success": false,
    "identifier": "string",
    "subject": "string",
    "verb": "string",
    "message": "string",
    "metadata": "?",
    "createDate": "1970-01-01T00:00:00.000Z",
    "attributes": {}
  }
},
"auditInfo": {
  "updateDate": "1970-01-01T00:00:00.000Z",
  "createDate": "1970-01-01T00:00:00.000Z",
  "updateBy": "string",
  "createBy": "string"
},
"fulfillmentInfo": {
  "fulfillmentContact": {
    "id": 0,
    "email": "string",
    "firstName": "string",
    "middleNameOrInitial": "string",
    "lastNameOrSurname": "string",
    "companyOrOrganization": "string",
    "phoneNumbers": {
      "home": "string",
      "mobile": "string",
      "work": "string"
    }
  },
  "address": {
    "address1": "string",
    "address2": "string",
    "address3": "string",
    "address4": "string",
    "cityOrTown": "string",
    "stateOrProvince": "string",
    "postalOrZipCode": "string",
    "countryCode": "string",
    "addressType": "string",
    "isValidated": false
  }
},
"isDestinationCommercial": false,
"shippingMethodCode": "string",
"shippingMethodName": "string",
"data": {},
"auditInfo": {
  "updateDate": "1970-01-01T00:00:00.000Z",
  "createDate": "1970-01-01T00:00:00.000Z",
  "updateBy": "string",
  "createBy": "string"
}
},
"userId": "string",
"customerAccountId": 0,
"email": "string",
"customerTaxId": "string",
"isTaxExempt": false,
```

```
"currencyCode": "string",
"data": {},
"taxData": {},
"channelCode": "string",
"locationCode": "string",
"ipAddress": "string",
"sourceDevice": "string",
"visitId": "string",
"webSessionId": "string",
"customerInteractionType": "string",
"frequency": {
  "unit": "string",
  "value": 0
},
"nextOrderDate": "1970-01-01T00:00:00.000Z",
"ordinal": 0,
"trial": {
  "enabled": false,
  "duration": 0,
  "substituteProductCode": "string",
  "substituteVariationProductCode": "string",
  "substituteProductOptions": [
    {
      "name": "string",
      "value": "?",
      "shopperEnteredValue": "?",
      "attributeFQN": "string",
      "dataType": "string",
      "stringValue": "string"
    }
  ]
},
"orderDiscounts": [
  {
    "impact": 0,
    "discount": {
      "id": 0,
      "name": "string",
      "itemIds": [
        "string"
      ],
      "expirationDate": "1970-01-01T00:00:00.000Z",
      "hasMultipleTargetProducts": false
    },
    "couponCode": "string",
    "excluded": false
  }
],
"subTotal": 0,
"itemLevelProductDiscountTotal": 0,
"itemLevelAdjustmentsTotal": 0,
"orderLevelProductDiscountTotal": 0,
"itemTaxTotal": 0,
"adjustment": {
  "amount": 0,
  "description": "string",
  "internalComment": "string"
},
"itemTotal": 0,
"total": 0
```

```
total : 0,
"shippingDiscounts": [
  {
    "methodCode": "string",
    "discount": {
      "impact": 0,
      "discount": {
        "id": 0,
        "name": "string",
        "itemIds": [
          "string"
        ],
        "expirationDate": "1970-01-01T00:00:00.000Z",
        "hasMultipleTargetProducts": false
      },
      "couponCode": "string",
      "excluded": false
    }
  }
],
"itemLevelShippingDiscountTotal": 0,
"orderLevelShippingDiscountTotal": 0,
"shippingAmount": 0,
"shippingAdjustment": {
  "amount": 0,
  "description": "string",
  "internalComment": "string"
},
"shippingSubTotal": 0,
"shippingTax": 0,
"shippingTaxTotal": 0,
"shippingTotal": 0,
"handlingDiscounts": [
  {
    "impact": 0,
    "discount": {
      "id": 0,
      "name": "string",
      "itemIds": [
        "string"
      ],
      "expirationDate": "1970-01-01T00:00:00.000Z",
      "hasMultipleTargetProducts": false
    },
    "couponCode": "string",
    "excluded": false
  }
],
"itemLevelHandlingDiscountTotal": 0,
"orderLevelHandlingDiscountTotal": 0,
"handlingAmount": 0,
"handlingAdjustment": {
  "amount": 0,
  "description": "string",
  "internalComment": "string"
},
"handlingSubTotal": 0,
"handlingTax": 0,
"handlingTaxTotal": 0,
"handlingTotal": 0,
```

```

"dutyAmount": 0,
"dutyTotal": 0,
"feeTotal": 0,
"status": "string",
"reasons": [
  {
    "reasonCode": "string",
    "description": "string",
    "moreInfo": "string",
    "actionName": "string"
  }
],
"couponCodes": [
  "string"
],
"invalidCoupons": [
  {
    "couponCode": "string",
    "reasonCode": 0,
    "reason": "string",
    "createDate": "1970-01-01T00:00:00.000Z",
    "discountId": 0
  }
],
"isImport": false,
"externalId": "string",
"lineItemSubtotalWithOrderAdjustments": 0,
"discountedSubtotal": 0
}

```

For information about the properties in the response, refer to the [REST API Help](#).

get.subscriptionItem

Obtains a response that includes information about the current subscription item.

When the subscription includes a [configurable bundle](#), the subscription context usually contains flattened line items while the subscriptionItem context contains data of the parent item. However, if you update an item's quantity then both the subscription and subscriptionItem context will contain the data of flattened items. Refer to `item.parentItemCode` for identifying the parent item as needed.

| Parameters | Type | Description |
|------------|------|-------------|
| N/A | N/A | N/A |

Example:

```
context.get.subscriptionItem();
```

Response:

```

{
  "localeCode": "string",
  "purchaseLocation": "string"
}

```

```
purchaseLocation : string ,
"lineId": 0,
"product": {
  "productCode": "string",
  "name": "string",
  "description": "string",
  "goodsType": "string",
  "isPackagedStandAlone": true,
  "stock": {
    "manageStock": true,
    "isOnBackOrder": true,
    "availableDate": "2022-06-13T14:52:15.803Z",
    "stockAvailable": 0,
    "aggregateInventory": 0
  },
  "productReservationId": 0,
  "allocationId": 0,
  "allocationExpiration": "2022-06-13T14:52:15.803Z",
  "measurements": {
    "height": {
      "unit": "string",
      "value": 0
    },
    "width": {
      "unit": "string",
      "value": 0
    },
    "length": {
      "unit": "string",
      "value": 0
    },
    "weight": {
      "unit": "string",
      "value": 0
    }
  },
  "fulfillmentStatus": "string",
  "mfgPartNumber": "string",
  "upc": "string",
  "sku": "string",
  "fulfillmentTypesSupported": [
    "string"
  ],
  "imageAlternateText": "string",
  "imageUrl": "string",
  "variationProductCode": "string",
  "options": [
    {
      "name": "string",
      "attributeFQN": "string",
      "dataType": "string",
      "stringValue": "string"
    }
  ],
  "properties": [
    {
      "attributeFQN": "string",
      "name": "string",
      "dataType": "string",
      "isMultiValue": true,
```

```
"values": [
  {
    "stringValue": "string"
  }
]
},
"categories": [
  {
    "id": 0
  }
],
"price": {
  "price": 0,
  "salePrice": 0,
  "tenantOverridePrice": 0,
  "msrp": 0,
  "creditValue": 0,
  "priceListCode": "string",
  "priceListEntryMode": "string"
},
"discountsRestricted": true,
"discountsRestrictedStartDate": "2022-06-13T14:52:15.803Z",
"discountsRestrictedEndDate": "2022-06-13T14:52:15.803Z",
"isRecurring": true,
"isTaxable": true,
"productType": "string",
"productUsage": "string",
"bundledProducts": [
  {
    "productCode": "string",
    "name": "string",
    "description": "string",
    "goodsType": "string",
    "isPackagedStandAlone": true,
    "stock": {
      "manageStock": true,
      "isOnBackOrder": true,
      "availableDate": "2022-06-13T14:52:15.803Z",
      "stockAvailable": 0,
      "aggregateInventory": 0
    },
    "productReservationId": 0,
    "allocationId": 0,
    "allocationExpiration": "2022-06-13T14:52:15.803Z",
    "measurements": {
      "height": {
        "unit": "string",
        "value": 0
      },
      "width": {
        "unit": "string",
        "value": 0
      },
      "length": {
        "unit": "string",
        "value": 0
      },
      "weight": {
        "unit": "string"
```



```
    unit : string ,
    "value": 0
  }
},
"fulfillmentStatus": "string",
"quantity": 0,
"optionAttributeFQN": "string",
"creditValue": 0,
"deltaPrice": 0
}
],
"fulfillmentFields": [
  {
    "name": "string",
    "required": true
  }
]
},
"quantity": 0,
"isRecurring": true,
"isTaxable": true,
"subtotal": 0,
"extendedTotal": 0,
"taxableTotal": 0,
"discountTotal": 0,
"discountedTotal": 0,
"itemTaxTotal": 0,
"shippingTaxTotal": 0,
"shippingTotal": 0,
"handlingAmount": 0,
"feeTotal": 0,
"total": 0,
"unitPrice": {
  "extendedAmount": 0,
  "listAmount": 0,
  "saleAmount": 0,
  "overrideAmount": 0
},
"productDiscount": {
  "impact": 0,
  "discount": {
    "id": 0,
    "name": "string",
    "itemIds": [
      "string"
    ],
  },
  "expirationDate": "2022-06-13T14:52:15.803Z",
  "hasMultipleTargetProducts": true
},
"couponCode": "string",
"excluded": true,
"appliesToSalePrice": true,
"discountQuantity": 0
},
"productDiscounts": [
  {
    "impact": 0,
    "discount": {
      "id": 0,
      "name": "string",
```

```
"itemIds": [
  "string"
],
"expirationDate": "2022-06-13T14:52:15.803Z",
"hasMultipleTargetProducts": true
},
"couponCode": "string",
"excluded": true,
"appliesToSalePrice": true,
"discountQuantity": 0
}
],
"shippingDiscounts": [
{
  "methodCode": "string",
  "discount": {
    "impact": 0,
    "discount": {
      "id": 0,
      "name": "string",
      "itemIds": [
        "string"
      ],
      "expirationDate": "2022-06-13T14:52:15.803Z",
      "hasMultipleTargetProducts": true
    },
    "couponCode": "string",
    "excluded": true
  },
  "discountQuantity": 0,
  "impactPerUnit": 0
}
],
"data": {},
"taxData": {},
"auditInfo": {
  "updateDate": "2022-06-13T14:52:15.803Z",
  "createDate": "2022-06-13T14:52:15.803Z",
  "updateBy": "string",
  "createBy": "string"
},
"shippingAmountBeforeDiscountsAndAdjustments": 0,
"weightedOrderAdjustment": 0,
"weightedOrderDiscount": 0,
"adjustedLineItemSubtotal": 0,
"totalWithoutWeightedShippingAndHandling": 0,
"weightedOrderTax": 0,
"weightedOrderShipping": 0,
"weightedOrderShippingDiscount": 0,
"weightedOrderShippingManualAdjustment": 0,
"weightedOrderShippingTax": 0,
"weightedOrderHandlingFee": 0,
"weightedOrderHandlingFeeTax": 0,
"weightedOrderHandlingFeeDiscount": 0,
"weightedOrderDuty": 0,
"totalWithWeightedShippingAndHandling": 0,
"weightedOrderHandlingAdjustment": 0,
"autoAddDiscountId": 0,
"isAssemblyRequired": true,
```

```

"childItemIds": [
  "string"
],
"parentItemId": "string",
"inventoryTags": [
  {
    "name": "string",
    "value": "string"
  }
],
"lineItemAdjustment": 0,
"id": "string",
"fulfillmentLocationCode": "string",
"fulfillmentMethod": "string",
"parentItemCode": "string"
}

```

For information about the properties in the response, refer to the [REST API Help](#).

Exec

exec.setItemOverridePrice

Sets the price on a line item that overrides the catalog or distributed bundle price.

| Parameters | Type | Description |
|---------------|--------|--|
| itemId | string | The unique identifier of the item whose price is being overridden. |
| overridePrice | object | The new price of the item. |

Example:

```
context.exec.setItemOverridePrice("123", overridePrice);
```

Response:

```

{
  "localeCode": "string",
  "purchaseLocation": "string",
  "lineId": 0,
  "product": {
    "productCode": "string",
    "name": "string",
    "description": "string",
    "goodsType": "string",
    "isPackagedStandAlone": true,
    "stock": {
      "manageStock": true,
      "isOnBackOrder": true,
      "availableDate": "2022-06-13T14:52:15.803Z",
      "stockAvailable": 0,
      "aggregateInventory": 0
    }
  },
  "productReservationId": 0,

```

```
.
"allocationId": 0,
"allocationExpiration": "2022-06-13T14:52:15.803Z",
"measurements": {
  "height": {
    "unit": "string",
    "value": 0
  },
  "width": {
    "unit": "string",
    "value": 0
  },
  "length": {
    "unit": "string",
    "value": 0
  },
  "weight": {
    "unit": "string",
    "value": 0
  }
},
"fulfillmentStatus": "string",
"mfgPartNumber": "string",
"upc": "string",
"sku": "string",
"fulfillmentTypesSupported": [
  "string"
],
"imageAlternateText": "string",
"imageUrl": "string",
"variationProductCode": "string",
"options": [
  {
    "name": "string",
    "attributeFQN": "string",
    "dataType": "string",
    "stringValue": "string"
  }
],
"properties": [
  {
    "attributeFQN": "string",
    "name": "string",
    "dataType": "string",
    "isMultiValue": true,
    "values": [
      {
        "stringValue": "string"
      }
    ]
  }
],
"categories": [
  {
    "id": 0
  }
],
"price": {
  "price": 0,
  "salePrice": 0,
  "currentPrice": 0
```

```
"tenantOverridePrice": 0,
"msrp": 0,
"creditValue": 0,
"priceListCode": "string",
"priceListEntryMode": "string"
},
"discountsRestricted": true,
"discountsRestrictedStartDate": "2022-06-13T14:52:15.803Z",
"discountsRestrictedEndDate": "2022-06-13T14:52:15.803Z",
"isRecurring": true,
"isTaxable": true,
"productType": "string",
"productUsage": "string",
"bundledProducts": [
  {
    "productCode": "string",
    "name": "string",
    "description": "string",
    "goodsType": "string",
    "isPackagedStandAlone": true,
    "stock": {
      "manageStock": true,
      "isOnBackOrder": true,
      "availableDate": "2022-06-13T14:52:15.803Z",
      "stockAvailable": 0,
      "aggregateInventory": 0
    },
    "productReservationId": 0,
    "allocationId": 0,
    "allocationExpiration": "2022-06-13T14:52:15.803Z",
    "measurements": {
      "height": {
        "unit": "string",
        "value": 0
      },
      "width": {
        "unit": "string",
        "value": 0
      },
      "length": {
        "unit": "string",
        "value": 0
      },
      "weight": {
        "unit": "string",
        "value": 0
      }
    }
  },
  {
    "fulfillmentStatus": "string",
    "quantity": 0,
    "optionAttributeFQN": "string",
    "creditValue": 0,
    "deltaPrice": 0
  }
],
"fulfillmentFields": [
  {
    "name": "string",
    "required": true
  }
]
```

```
]
},
"quantity": 0,
"isRecurring": true,
"isTaxable": true,
"subtotal": 0,
"extendedTotal": 0,
"taxableTotal": 0,
"discountTotal": 0,
"discountedTotal": 0,
"itemTaxTotal": 0,
"shippingTaxTotal": 0,
"shippingTotal": 0,
"handlingAmount": 0,
"feeTotal": 0,
"total": 0,
"unitPrice": {
  "extendedAmount": 0,
  "listAmount": 0,
  "saleAmount": 0,
  "overrideAmount": 0
},
"productDiscount": {
  "impact": 0,
  "discount": {
    "id": 0,
    "name": "string",
    "itemIds": [
      "string"
    ],
    "expirationDate": "2022-06-13T14:52:15.803Z",
    "hasMultipleTargetProducts": true
  },
  "couponCode": "string",
  "excluded": true,
  "appliesToSalePrice": true,
  "discountQuantity": 0
},
"productDiscounts": [
  {
    "impact": 0,
    "discount": {
      "id": 0,
      "name": "string",
      "itemIds": [
        "string"
      ],
      "expirationDate": "2022-06-13T14:52:15.803Z",
      "hasMultipleTargetProducts": true
    },
    "couponCode": "string",
    "excluded": true,
    "appliesToSalePrice": true,
    "discountQuantity": 0
  }
],
"shippingDiscounts": [
  {
    "methodCode": "string",
```

```
    "discount": {
      "impact": 0,
      "discount": {
        "id": 0,
        "name": "string",
        "itemIds": [
          "string"
        ],
        "expirationDate": "2022-06-13T14:52:15.803Z",
        "hasMultipleTargetProducts": true
      },
      "couponCode": "string",
      "excluded": true
    },
    "discountQuantity": 0,
    "impactPerUnit": 0
  }
],
"data": {},
"taxData": {},
"auditInfo": {
  "updateDate": "2022-06-13T14:52:15.803Z",
  "createDate": "2022-06-13T14:52:15.803Z",
  "updateBy": "string",
  "createBy": "string"
},
"shippingAmountBeforeDiscountsAndAdjustments": 0,
"weightedOrderAdjustment": 0,
"weightedOrderDiscount": 0,
"adjustedLineItemSubtotal": 0,
"totalWithoutWeightedShippingAndHandling": 0,
"weightedOrderTax": 0,
"weightedOrderShipping": 0,
"weightedOrderShippingDiscount": 0,
"weightedOrderShippingManualAdjustment": 0,
"weightedOrderShippingTax": 0,
"weightedOrderHandlingFee": 0,
"weightedOrderHandlingFeeTax": 0,
"weightedOrderHandlingFeeDiscount": 0,
"weightedOrderDuty": 0,
"totalWithWeightedShippingAndHandling": 0,
"weightedOrderHandlingAdjustment": 0,
"autoAddDiscountId": 0,
"isAssemblyRequired": true,
"childItemIds": [
  "string"
],
"parentItemId": "string",
"inventoryTags": [
  {
    "name": "string",
    "value": "string"
  }
],
"lineItemAdjustment": 0,
"id": "string",
"fulfillmentLocationCode": "string",
"fulfillmentMethod": "string",
"parentItemCode": "string"
}
```

For information about the properties in the response, refer to the [REST API Help](#).

exec.setLineItemAdjustment

Adjusts a line item that overrides the catalog or distributed bundle amount.

| Parameters | Type | Description |
|-----------------|--------|---|
| itemId | string | The unique identifier of the item being adjusted. |
| adjustmentPrice | object | The adjusted price of the item. |

Example:

```
context.exec.setItemOverridePrice("123", adjustmentPrice;
```

Response:

```
{
  "localeCode": "string",
  "purchaseLocation": "string",
  "lineId": 0,
  "product": {
    "productCode": "string",
    "name": "string",
    "description": "string",
    "goodsType": "string",
    "isPackagedStandAlone": true,
    "stock": {
      "manageStock": true,
      "isOnBackOrder": true,
      "availableDate": "2022-06-13T14:52:15.803Z",
      "stockAvailable": 0,
      "aggregateInventory": 0
    },
    "productReservationId": 0,
    "allocationId": 0,
    "allocationExpiration": "2022-06-13T14:52:15.803Z",
    "measurements": {
      "height": {
        "unit": "string",
        "value": 0
      },
      "width": {
        "unit": "string",
        "value": 0
      },
      "length": {
        "unit": "string",
        "value": 0
      },
      "weight": {
        "unit": "string",
        "value": 0
      }
    }
  }
}
```



```
    },
    "fulfillmentStatus": "string",
    "mfgPartNumber": "string",
    "upc": "string",
    "sku": "string",
    "fulfillmentTypesSupported": [
      "string"
    ],
    "imageAlternateText": "string",
    "imageUrl": "string",
    "variationProductCode": "string",
    "options": [
      {
        "name": "string",
        "attributeFQN": "string",
        "dataType": "string",
        "stringValue": "string"
      }
    ],
    "properties": [
      {
        "attributeFQN": "string",
        "name": "string",
        "dataType": "string",
        "isMultiValue": true,
        "values": [
          {
            "stringValue": "string"
          }
        ]
      }
    ],
    "categories": [
      {
        "id": 0
      }
    ],
    "price": {
      "price": 0,
      "salePrice": 0,
      "tenantOverridePrice": 0,
      "msrp": 0,
      "creditValue": 0,
      "priceListCode": "string",
      "priceListEntryMode": "string"
    },
    "discountsRestricted": true,
    "discountsRestrictedStartDate": "2022-06-13T14:52:15.803Z",
    "discountsRestrictedEndDate": "2022-06-13T14:52:15.803Z",
    "isRecurring": true,
    "isTaxable": true,
    "productType": "string",
    "productUsage": "string",
    "bundledProducts": [
      {
        "productCode": "string",
        "name": "string",
        "description": "string",
        "goodsType": "string",
```

```
"isPackagedStandAlone": true,
"stock": {
  "manageStock": true,
  "isOnBackOrder": true,
  "availableDate": "2022-06-13T14:52:15.803Z",
  "stockAvailable": 0,
  "aggregateInventory": 0
},
"productReservationId": 0,
"allocationId": 0,
"allocationExpiration": "2022-06-13T14:52:15.803Z",
"measurements": {
  "height": {
    "unit": "string",
    "value": 0
  },
  "width": {
    "unit": "string",
    "value": 0
  },
  "length": {
    "unit": "string",
    "value": 0
  },
  "weight": {
    "unit": "string",
    "value": 0
  }
},
"fulfillmentStatus": "string",
"quantity": 0,
"optionAttributeFQN": "string",
"creditValue": 0,
"deltaPrice": 0
}
],
"fulfillmentFields": [
  {
    "name": "string",
    "required": true
  }
]
},
"quantity": 0,
"isRecurring": true,
"isTaxable": true,
"subtotal": 0,
"extendedTotal": 0,
"taxableTotal": 0,
"discountTotal": 0,
"discountedTotal": 0,
"itemTaxTotal": 0,
"shippingTaxTotal": 0,
"shippingTotal": 0,
"handlingAmount": 0,
"feeTotal": 0,
"total": 0,
"unitPrice": {
  "extendedAmount": 0,
  "unitPrice": 0
}
```

```
"listAmount": 0,
"saleAmount": 0,
"overrideAmount": 0
},
"productDiscount": {
  "impact": 0,
  "discount": {
    "id": 0,
    "name": "string",
    "itemIds": [
      "string"
    ],
    "expirationDate": "2022-06-13T14:52:15.803Z",
    "hasMultipleTargetProducts": true
  },
  "couponCode": "string",
  "excluded": true,
  "appliesToSalePrice": true,
  "discountQuantity": 0
},
"productDiscounts": [
  {
    "impact": 0,
    "discount": {
      "id": 0,
      "name": "string",
      "itemIds": [
        "string"
      ],
      "expirationDate": "2022-06-13T14:52:15.803Z",
      "hasMultipleTargetProducts": true
    },
    "couponCode": "string",
    "excluded": true,
    "appliesToSalePrice": true,
    "discountQuantity": 0
  }
],
"shippingDiscounts": [
  {
    "methodCode": "string",
    "discount": {
      "impact": 0,
      "discount": {
        "id": 0,
        "name": "string",
        "itemIds": [
          "string"
        ],
        "expirationDate": "2022-06-13T14:52:15.803Z",
        "hasMultipleTargetProducts": true
      },
      "couponCode": "string",
      "excluded": true
    },
    "discountQuantity": 0,
    "impactPerUnit": 0
  }
],
"data": { }
```

```

"taxData": {},
"auditInfo": {
  "updateDate": "2022-06-13T14:52:15.803Z",
  "createDate": "2022-06-13T14:52:15.803Z",
  "updateBy": "string",
  "createBy": "string"
},
"shippingAmountBeforeDiscountsAndAdjustments": 0,
"weightedOrderAdjustment": 0,
"weightedOrderDiscount": 0,
"adjustedLineItemSubtotal": 0,
"totalWithoutWeightedShippingAndHandling": 0,
"weightedOrderTax": 0,
"weightedOrderShipping": 0,
"weightedOrderShippingDiscount": 0,
"weightedOrderShippingManualAdjustment": 0,
"weightedOrderShippingTax": 0,
"weightedOrderHandlingFee": 0,
"weightedOrderHandlingFeeTax": 0,
"weightedOrderHandlingFeeDiscount": 0,
"weightedOrderDuty": 0,
"totalWithWeightedShippingAndHandling": 0,
"weightedOrderHandlingAdjustment": 0,
"autoAddDiscountId": 0,
"isAssemblyRequired": true,
"childItemIds": [
  "string"
],
"parentItemId": "string",
"inventoryTags": [
  {
    "name": "string",
    "value": "string"
  }
],
"lineItemAdjustment": 0,
"id": "string",
"fulfillmentLocationCode": "string",
"fulfillmentMethod": "string",
"parentItemCode": "string"
}

```

For information about the properties in the response, refer to the [REST API Help](#).

Context Objects Available to All Actions

apiContext

Accesses tenant information.

| Properties | Type | Description |
|------------|--------|--------------------------------|
| baseUrl | string | The base URL for the site. |
| basePciUrl | string | The base PCI URL for the site. |

| Properties | Type | Description |
|---------------------|-----------|--|
| tenantPod | string | The name of the tenant pod in which the tenant resides. |
| appClaims | string | The application claims token. |
| appKey | string | The application key. |
| tenantId | integer | Unique identifier for the tenant. |
| siteId | integer | Unique identifier for the site. This ID is used at all levels of a store, catalog, and tenant to associate objects to a site. |
| masterCatalogId | integer | Unique identifier for the master catalog. |
| catalogId | integer | The unique identifier for the product catalog. Catalogs are part of a master catalog. |
| currencyCode | string | The default three-letter ISO currency code for monetary amounts. |
| previewDate | date/time | The date and time that the content is being viewed. This might be a future date if the content is previewed with an active date range set in the future. |
| localeCode | string | The locale code per the country code provided. This code determines the localized content to use and display. |
| correlationId | string | The unique identifier of the API request associated with the event action, which might contain multiple actions. |
| isAuthorizedAsAdmin | Boolean | Indicates whether the Dev Account user is authorized as an admin. |
| userClaims | string | The user claims token. |

Example:

```
context.apiContext.baseUrl;
```

configuration

Receives a JSON response that contains information about the configuration data set in the Action Management JSON editor.

| Properties | Type | Description |
|------------|--------|---|
| Varies | object | Custom fields and values that you can set in the Action Management JSON Editor. |

Example:

```
context.configuration.customData;
```