

# 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	embedded.commerce.subscription.validateProductAfter
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.parentItemId` 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,
    "optionAttributeFQN": "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
  }
]
```

```
    "appliesToQuantity": 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": [
  {
    "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
  }
}
```

```
    "isRecurring": 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"
```

```
    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",
    "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"
```

```
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,
"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",
"reason": [
```

```

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",
  "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,
      "aggregatInventory": 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

### 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,
  "tenantOverridePrice": 0,
  "msrp": 0,
  "creditValue": 0,
  "priceListCode": "string",
  "priceListEntryModel": "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,
"aggregatInventory": 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](#).

## 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.
tenantPod	string	The name of the tenant pod in which the tenant resides.

Properties	Type	Description
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;
```