

Get Carts (After)

This action occurs after a GET operation is run against the cart, with the exception of getting cart summaries. Changes made to the cart or cart items in this action persist in Kibo eCommerce.

Action Type	Embedded
Full Action ID	embedded.commerce.carts.get.after
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 eCommerce.

Context: Cart

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 gets a cart.

Get Methods

- [get.cart](#)

Exec Methods

- [exec.setData](#)
- [exec.removeData](#)
- [exec.setItemData](#)
- [exec.removeItemData](#)

- [exec.setItemAllocation](#)
- [exec.removeItem](#)

Context Objects Available to All Actions

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

Get

get.cart

Obtains a response that includes information about the current cart.

Parameters	Type	Description
N/A	N/A	N/A

Example:

```
context.get.cart();
```

Response:

```
{
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "changeMessages": [
    {
      "amount": "decimal",
      "appld": "string",
      "appKey": "string",
      "appName": "string",
      "correlationId": "string",
      "createDate": "DateTime",
      "id": "string",
      "identifier": "string",
      "message": "string",
      "metadata": "object",
      "newValue": "string",
      "oldValue": "string",
      "subject": "string",
      "subjectType": "string",
      "success": "bool",
      "userFirstName": "string",
      "userId": "string",
      "userLastName": "string",
      "userScopeType": "string",
    }
  ]
}
```

```

    "verb": "string"
  }
],
"channelCode": "string",
"couponCodes": "string",
"currencyCode": "string",
"customerInteractionType": "string",
"data": "string",
"discountedSubtotal": "decimal",
"discountedTotal": "decimal",
"discountTotal": "decimal",
"expirationDate": "DateTime",
"extendedProperties": [
  {
    "key": "string",
    "value": "string"
  }
],
"feeTotal": "decimal",
"fulfillmentInfo": {
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "fulfillmentContact": {
    "address": {
      "address1": "string",
      "address2": "string",
      "address3": "string",
      "address4": "string",
      "addressType": "string",
      "cityOrTown": "string",
      "countryCode": "string",
      "isValidated": "bool",
      "postalOrZipCode": "string",
      "stateOrProvince": "string"
    },
    "companyOrOrganization": "string",
    "email": "string",
    "firstName": "string",
    "id": "int",
    "lastNameOrSurname": "string",
    "middleNameOrInitial": "string",
    "phoneNumbers": {
      "home": "string",
      "mobile": "string",
      "work": "string"
    }
  },
  "isDestinationCommercial": "bool",
  "shippingMethodCode": "string",
  "shippingMethodName": "string"
},
"handlingTaxTotal": "decimal",
"id": "string",
"invalidCoupons": [
  {

```

```
{
  "couponCode": "string",
  "createDate": "DateTime",
  "discountId": "int",
  "reason": "string",
  "reasonCode": "int"
}
],
"items": [
  {
    "auditInfo": {
      "createBy": "string",
      "createDate": "DateTime",
      "updateBy": "string",
      "updateDate": "DateTime"
    },
    "data": "string",
    "discountedTotal": "decimal",
    "discountTotal": "decimal",
    "extendedTotal": "decimal",
    "feeTotal": "decimal",
    "fulfillmentLocationCode": "string",
    "fulfillmentMethod": "string",
    "handlingAmount": "decimal",
    "id": "string",
    "isRecurring": "bool",
    "isTaxable": "bool",
    "itemTaxTotal": "decimal",
    "lineId": "int",
    "localeCode": "string",
    "product": {
      "allocationExpiration": "DateTime",
      "allocationId": "int",
      "bundledProducts": [
        {
          "allocationExpiration": "DateTime",
          "allocationId": "int",
          "creditValue": "decimal",
          "description": "string",
          "fulfillmentStatus": "string",
          "goodsType": "string",
          "isPackagedStandAlone": "bool",
          "measurements": {
            "height": {
              "unit": "string",
              "value": "decimal"
            },
            "length": {
              "unit": "string",
              "value": "decimal"
            },
            "weight": {
              "unit": "string",
              "value": "decimal"
            },
            "width": {
              "unit": "string",
              "value": "decimal"
            }
          }
        }
      ]
    }
  },

```

```
    "name": "string",
    "optionAttributeFQN": "string",
    "optionValue": "object",
    "productCode": "string",
    "productReservationId": "int",
    "quantity": "int"
  }
],
"categories": [
  {
    "id": "int",
    "parent": "self"
  }
],
"description": "string",
"discountsRestricted": "bool",
"discountsRestrictedEndDate": "DateTime",
"discountsRestrictedStartDate": "DateTime",
"fulfillmentStatus": "string",
"fulfillmentTypesSupported": "string",
"goodsType": "string",
"imageAlternateText": "string",
"imageUrl": "string",
"isPackagedStandAlone": "bool",
"isRecurring": "bool",
"isTaxable": "bool",
"measurements": {
  "height": {
    "unit": "string",
    "value": "decimal"
  },
  "length": {
    "unit": "string",
    "value": "decimal"
  },
  "weight": {
    "unit": "string",
    "value": "decimal"
  },
  "width": {
    "unit": "string",
    "value": "decimal"
  }
},
"mfgPartNumber": "string",
"name": "string",
"options": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "name": "string",
    "shopperEnteredValue": "object",
    "stringValue": "string",
    "value": "object"
  }
],
"price": {
  "creditValue": "decimal",
  "msrp": "decimal",
  "price": "decimal"
```

```

    price : decimal ,
    "salePrice": "decimal",
    "tenantOverridePrice": "decimal"
  },
  "productCode": "string",
  "productReservationId": "int",
  "productType": "string",
  "productUsage": "string",
  "properties": [
    {
      "attributeFQN": "string",
      "dataType": "string",
      "isMultiValue": "bool",
      "name": "string",
      "values": [
        {
          "stringValue": "string",
          "value": "object"
        }
      ]
    }
  ]
},
"upc": "string",
"variationProductCode": "string"
},
"productDiscount": {
  "appliesToSalePrice": "bool",
  "couponCode": "string",
  "discount": {
    "expirationDate": "DateTime",
    "id": "int",
    "itemIds": "string",
    "name": "string"
  },
  "discountQuantity": "int",
  "excluded": "bool",
  "impact": "decimal",
  "impactPerUnit": "decimal",
  "productQuantity": "int"
},
"productDiscounts": [
  {
    "appliesToSalePrice": "bool",
    "couponCode": "string",
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "discountQuantity": "int",
    "excluded": "bool",
    "impact": "decimal",
    "impactPerUnit": "decimal",
    "productQuantity": "int"
  }
],
"quantity": "int",
"shippingDiscounts": [
  {

```

```

    "discount": {
      "couponCode": "string",
      "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
      },
      "excluded": "bool",
      "impact": "decimal"
    },
    "discountQuantity": "int",
    "impactPerUnit": "decimal",
    "methodCode": "string"
  }
],
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"subtotal": "decimal",
"taxableTotal": "decimal",
"total": "decimal",
"unitPrice": {
  "extendedAmount": "decimal",
  "listAmount": "decimal",
  "overrideAmount": "decimal",
  "saleAmount": "decimal"
}
}
],
"itemTaxTotal": "decimal",
"lastValidationDate": "DateTime",
"orderDiscounts": [
  {
    "couponCode": "string",
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "excluded": "bool",
    "impact": "decimal"
  }
],
"shippingSubTotal": "decimal",
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"siteld": "int",
"subtotal": "decimal",
"taxTotal": "decimal",
"tenantId": "int",
"total": "decimal",
"userId": "string",
"visitId": "string",
"webSessionId": "string"
}

```

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

Exec

exec.setData

Sets custom key/value data on the current cart.

Parameters	Type	Description
key	string	Key of the data to set on the cart.
value	object	Value of the data to set.

Example:

```
context.exec.setData("customField", value);
```

Response:

```
{
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "changeMessages": [
    {
      "amount": "decimal",
      "appld": "string",
      "appKey": "string",
      "appName": "string",
      "correlationId": "string",
      "createDate": "DateTime",
      "id": "string",
      "identifier": "string",
      "message": "string",
      "metadata": "object",
      "newValue": "string",
      "oldValue": "string",
      "subject": "string",
      "subjectType": "string",
      "success": "bool",
      "userFirstName": "string",
      "userId": "string",
      "userLastName": "string",
      "userScopeType": "string",
      "verb": "string"
    }
  ],
  "channelCode": "string",
  "couponCodes": "string",
  "currencyCode": "string",
  "customerInteractionType": "string",
  "data": "string"
}
```

```
data": "string",
"discountedSubtotal": "decimal",
"discountedTotal": "decimal",
"discountTotal": "decimal",
"expirationDate": "DateTime",
"extendedProperties": [
  {
    "key": "string",
    "value": "string"
  }
],
"feeTotal": "decimal",
"fulfillmentInfo": {
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "fulfillmentContact": {
    "address": {
      "address1": "string",
      "address2": "string",
      "address3": "string",
      "address4": "string",
      "addressType": "string",
      "cityOrTown": "string",
      "countryCode": "string",
      "isValidated": "bool",
      "postalOrZipCode": "string",
      "stateOrProvince": "string"
    },
    "companyOrOrganization": "string",
    "email": "string",
    "firstName": "string",
    "id": "int",
    "lastNameOrSurname": "string",
    "middleNameOrInitial": "string",
    "phoneNumbers": {
      "home": "string",
      "mobile": "string",
      "work": "string"
    }
  },
  "isDestinationCommercial": "bool",
  "shippingMethodCode": "string",
  "shippingMethodName": "string"
},
"handlingTaxTotal": "decimal",
"id": "string",
"invalidCoupons": [
  {
    "couponCode": "string",
    "createDate": "DateTime",
    "discountId": "int",
    "reason": "string",
    "reasonCode": "int"
  }
],
```

```
"items": [
  {
    "auditInfo": {
      "createBy": "string",
      "createDate": "DateTime",
      "updateBy": "string",
      "updateDate": "DateTime"
    },
    "data": "string",
    "discountedTotal": "decimal",
    "discountTotal": "decimal",
    "extendedTotal": "decimal",
    "feeTotal": "decimal",
    "fulfillmentLocationCode": "string",
    "fulfillmentMethod": "string",
    "handlingAmount": "decimal",
    "id": "string",
    "isRecurring": "bool",
    "isTaxable": "bool",
    "itemTaxTotal": "decimal",
    "lineId": "int",
    "localeCode": "string",
    "product": {
      "allocationExpiration": "DateTime",
      "allocationId": "int",
      "bundledProducts": [
        {
          "allocationExpiration": "DateTime",
          "allocationId": "int",
          "creditValue": "decimal",
          "description": "string",
          "fulfillmentStatus": "string",
          "goodsType": "string",
          "isPackagedStandAlone": "bool",
          "measurements": {
            "height": {
              "unit": "string",
              "value": "decimal"
            },
            "length": {
              "unit": "string",
              "value": "decimal"
            },
            "weight": {
              "unit": "string",
              "value": "decimal"
            },
            "width": {
              "unit": "string",
              "value": "decimal"
            }
          }
        },
        {
          "name": "string",
          "optionAttributeFQN": "string",
          "optionValue": "object",
          "productCode": "string",
          "productReservationId": "int",
          "quantity": "int"
        }
      ]
    }
  }
]
```

```
,
"categories": [
  {
    "id": "int",
    "parent": "self"
  }
],
"description": "string",
"discountsRestricted": "bool",
"discountsRestrictedEndDate": "DateTime",
"discountsRestrictedStartDate": "DateTime",
"fulfillmentStatus": "string",
"fulfillmentTypesSupported": "string",
"goodsType": "string",
"imageAlternateText": "string",
"imageUrl": "string",
"isPackagedStandAlone": "bool",
"isRecurring": "bool",
"isTaxable": "bool",
"measurements": {
  "height": {
    "unit": "string",
    "value": "decimal"
  },
  "length": {
    "unit": "string",
    "value": "decimal"
  },
  "weight": {
    "unit": "string",
    "value": "decimal"
  },
  "width": {
    "unit": "string",
    "value": "decimal"
  }
},
"mfgPartNumber": "string",
"name": "string",
"options": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "name": "string",
    "shopperEnteredValue": "object",
    "stringValue": "string",
    "value": "object"
  }
],
"price": {
  "creditValue": "decimal",
  "msrp": "decimal",
  "price": "decimal",
  "salePrice": "decimal",
  "tenantOverridePrice": "decimal"
},
"productCode": "string",
"productReservationId": "int",
"productType": "string",
"productUsage": "string",
```

```

"properties": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "isMultiValue": "bool",
    "name": "string",
    "values": [
      {
        "stringValue": "string",
        "value": "object"
      }
    ]
  }
],
"upc": "string",
"variationProductCode": "string"
},
"productDiscount": {
  "appliesToSalePrice": "bool",
  "couponCode": "string",
  "discount": {
    "expirationDate": "DateTime",
    "id": "int",
    "itemIds": "string",
    "name": "string"
  },
  "discountQuantity": "int",
  "excluded": "bool",
  "impact": "decimal",
  "impactPerUnit": "decimal",
  "productQuantity": "int"
},
"productDiscounts": [
  {
    "appliesToSalePrice": "bool",
    "couponCode": "string",
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "discountQuantity": "int",
    "excluded": "bool",
    "impact": "decimal",
    "impactPerUnit": "decimal",
    "productQuantity": "int"
  }
],
"quantity": "int",
"shippingDiscounts": [
  {
    "discount": {
      "couponCode": "string",
      "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
      }
    }
  }
]

```

```

        },
        "excluded": "bool",
        "impact": "decimal"
    },
    "discountQuantity": "int",
    "impactPerUnit": "decimal",
    "methodCode": "string"
}
],
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"subtotal": "decimal",
"taxableTotal": "decimal",
"total": "decimal",
"unitPrice": {
    "extendedAmount": "decimal",
    "listAmount": "decimal",
    "overrideAmount": "decimal",
    "saleAmount": "decimal"
}
}
],
"itemTaxTotal": "decimal",
"lastValidationDate": "DateTime",
"orderDiscounts": [
    {
        "couponCode": "string",
        "discount": {
            "expirationDate": "DateTime",
            "id": "int",
            "itemIds": "string",
            "name": "string"
        },
        "excluded": "bool",
        "impact": "decimal"
    }
],
"shippingSubTotal": "decimal",
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"siteld": "int",
"subtotal": "decimal",
"taxTotal": "decimal",
"tenantId": "int",
"total": "decimal",
"userId": "string",
"visitId": "string",
"webSessionId": "string"
}

```

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

exec.removeData

Removes custom key/value data from the specified cart.


```
"fulfillmentInfo": {
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "fulfillmentContact": {
    "address": {
      "address1": "string",
      "address2": "string",
      "address3": "string",
      "address4": "string",
      "addressType": "string",
      "cityOrTown": "string",
      "countryCode": "string",
      "isValidated": "bool",
      "postalOrZipCode": "string",
      "stateOrProvince": "string"
    },
    "companyOrOrganization": "string",
    "email": "string",
    "firstName": "string",
    "id": "int",
    "lastNameOrSurname": "string",
    "middleNameOrInitial": "string",
    "phoneNumbers": {
      "home": "string",
      "mobile": "string",
      "work": "string"
    }
  },
  "isDestinationCommercial": "bool",
  "shippingMethodCode": "string",
  "shippingMethodName": "string"
},
"handlingTaxTotal": "decimal",
"id": "string",
"invalidCoupons": [
  {
    "couponCode": "string",
    "createDate": "DateTime",
    "discountId": "int",
    "reason": "string",
    "reasonCode": "int"
  }
],
"items": [
  {
    "auditInfo": {
      "createBy": "string",
      "createDate": "DateTime",
      "updateBy": "string",
      "updateDate": "DateTime"
    },
    "data": "string",
    "discountedTotal": "decimal",
    "discountTotal": "decimal",
    "extendedTotal": "decimal".
```

```
"feeTotal": "decimal",
"fulfillmentLocationCode": "string",
"fulfillmentMethod": "string",
"handlingAmount": "decimal",
"id": "string",
"isRecurring": "bool",
"isTaxable": "bool",
"itemTaxTotal": "decimal",
"lineId": "int",
"localeCode": "string",
"product": {
  "allocationExpiration": "DateTime",
  "allocationId": "int",
  "bundledProducts": [
    {
      "allocationExpiration": "DateTime",
      "allocationId": "int",
      "creditValue": "decimal",
      "description": "string",
      "fulfillmentStatus": "string",
      "goodsType": "string",
      "isPackagedStandAlone": "bool",
      "measurements": {
        "height": {
          "unit": "string",
          "value": "decimal"
        },
        "length": {
          "unit": "string",
          "value": "decimal"
        },
        "weight": {
          "unit": "string",
          "value": "decimal"
        },
        "width": {
          "unit": "string",
          "value": "decimal"
        }
      },
      "name": "string",
      "optionAttributeFQN": "string",
      "optionValue": "object",
      "productCode": "string",
      "productReservationId": "int",
      "quantity": "int"
    }
  ],
  "categories": [
    {
      "id": "int",
      "parent": "self"
    }
  ],
  "description": "string",
  "discountsRestricted": "bool",
  "discountsRestrictedEndDate": "DateTime",
  "discountsRestrictedStartDate": "DateTime",
  "fulfillmentStatus": "string",
```

```
"fulfillmentTypesSupported": "string",
"goodsType": "string",
"imageAlternateText": "string",
"imageUrl": "string",
"isPackagedStandAlone": "bool",
"isRecurring": "bool",
"isTaxable": "bool",
"measurements": {
  "height": {
    "unit": "string",
    "value": "decimal"
  },
  "length": {
    "unit": "string",
    "value": "decimal"
  },
  "weight": {
    "unit": "string",
    "value": "decimal"
  },
  "width": {
    "unit": "string",
    "value": "decimal"
  }
},
"mfgPartNumber": "string",
"name": "string",
"options": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "name": "string",
    "shopperEnteredValue": "object",
    "stringValue": "string",
    "value": "object"
  }
],
"price": {
  "creditValue": "decimal",
  "msrp": "decimal",
  "price": "decimal",
  "salePrice": "decimal",
  "tenantOverridePrice": "decimal"
},
"productCode": "string",
"productReservationId": "int",
"productType": "string",
"productUsage": "string",
"properties": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "isMultiValue": "bool",
    "name": "string",
    "values": [
      {
        "stringValue": "string",
        "value": "object"
      }
    ]
  }
]
```

```
    },
  ],
  "upc": "string",
  "variationProductCode": "string"
},
"productDiscount": {
  "appliesToSalePrice": "bool",
  "couponCode": "string",
  "discount": {
    "expirationDate": "DateTime",
    "id": "int",
    "itemIds": "string",
    "name": "string"
  },
  "discountQuantity": "int",
  "excluded": "bool",
  "impact": "decimal",
  "impactPerUnit": "decimal",
  "productQuantity": "int"
},
"productDiscounts": [
  {
    "appliesToSalePrice": "bool",
    "couponCode": "string",
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "discountQuantity": "int",
    "excluded": "bool",
    "impact": "decimal",
    "impactPerUnit": "decimal",
    "productQuantity": "int"
  }
],
"quantity": "int",
"shippingDiscounts": [
  {
    "discount": {
      "couponCode": "string",
      "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
      },
      "excluded": "bool",
      "impact": "decimal"
    },
    "discountQuantity": "int",
    "impactPerUnit": "decimal",
    "methodCode": "string"
  }
],
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"subtotal": "decimal",
```

```

    "taxableTotal": "decimal",
    "total": "decimal",
    "unitPrice": {
      "extendedAmount": "decimal",
      "listAmount": "decimal",
      "overrideAmount": "decimal",
      "saleAmount": "decimal"
    }
  },
  "itemTaxTotal": "decimal",
  "lastValidationDate": "DateTime",
  "orderDiscounts": [
    {
      "couponCode": "string",
      "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
      },
      "excluded": "bool",
      "impact": "decimal"
    }
  ],
  "shippingSubTotal": "decimal",
  "shippingTaxTotal": "decimal",
  "shippingTotal": "decimal",
  "siteId": "int",
  "subtotal": "decimal",
  "taxTotal": "decimal",
  "tenantId": "int",
  "total": "decimal",
  "userId": "string",
  "visitId": "string",
  "webSessionId": "string"
}

```

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

exec.setItemData

Sets custom key/value data on a cart item.

Parameters	Type	Description
key	string	Key of the data to set on the cart item.
value	object	Value of the data to set.
itemId	string	Id of the cart item to which the data is applied.

Example:

```
context.exec.setItemData("customField", value, "123");
```

Response:

```
{
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "discountedTotal": "decimal",
  "discountTotal": "decimal",
  "extendedTotal": "decimal",
  "feeTotal": "decimal",
  "fulfillmentLocationCode": "string",
  "fulfillmentMethod": "string",
  "handlingAmount": "decimal",
  "id": "string",
  "isRecurring": "bool",
  "isTaxable": "bool",
  "itemTaxTotal": "decimal",
  "lineId": "int",
  "localeCode": "string",
  "product": {
    "allocationExpiration": "DateTime",
    "allocationId": "int",
    "bundledProducts": [
      {
        "allocationExpiration": "DateTime",
        "allocationId": "int",
        "creditValue": "decimal",
        "description": "string",
        "fulfillmentStatus": "string",
        "goodsType": "string",
        "isPackagedStandAlone": "bool",
        "measurements": {
          "height": {
            "unit": "string",
            "value": "decimal"
          },
          "length": {
            "unit": "string",
            "value": "decimal"
          },
          "weight": {
            "unit": "string",
            "value": "decimal"
          },
          "width": {
            "unit": "string",
            "value": "decimal"
          }
        }
      }
    ],
    "name": "string",
    "optionAttributeFQN": "string",
    "optionValue": "object",
    "productCode": "string",
```

```
    "productReservationId": "int",
    "quantity": "int"
  }
],
"categories": [
  {
    "id": "int",
    "parent": "self"
  }
],
"description": "string",
"discountsRestricted": "bool",
"discountsRestrictedEndDate": "DateTime",
"discountsRestrictedStartDate": "DateTime",
"fulfillmentStatus": "string",
"fulfillmentTypesSupported": "string",
"goodsType": "string",
"imageAlternateText": "string",
"imageUrl": "string",
"isPackagedStandAlone": "bool",
"isRecurring": "bool",
"isTaxable": "bool",
"measurements": {
  "height": {
    "unit": "string",
    "value": "decimal"
  },
  "length": {
    "unit": "string",
    "value": "decimal"
  },
  "weight": {
    "unit": "string",
    "value": "decimal"
  },
  "width": {
    "unit": "string",
    "value": "decimal"
  }
},
"mfgPartNumber": "string",
"name": "string",
"options": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "name": "string",
    "shopperEnteredValue": "object",
    "stringValue": "string",
    "value": "object"
  }
],
"price": {
  "creditValue": "decimal",
  "msrp": "decimal",
  "price": "decimal",
  "salePrice": "decimal",
  "tenantOverridePrice": "decimal"
},
"productCode": "string"
```

```

    productCode : string ,
    "productReservationId": "int",
    "productType": "string",
    "productUsage": "string",
    "properties": [
      {
        "attributeFQN": "string",
        "dataType": "string",
        "isMultiValue": "bool",
        "name": "string",
        "values": [
          {
            "stringValue": "string",
            "value": "object"
          }
        ]
      }
    ],
    "upc": "string",
    "variationProductCode": "string"
  },
  "productDiscount": {
    "appliesToSalePrice": "bool",
    "couponCode": "string",
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "discountQuantity": "int",
    "excluded": "bool",
    "impact": "decimal",
    "impactPerUnit": "decimal",
    "productQuantity": "int"
  },
  "productDiscounts": [
    {
      "appliesToSalePrice": "bool",
      "couponCode": "string",
      "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
      },
      "discountQuantity": "int",
      "excluded": "bool",
      "impact": "decimal",
      "impactPerUnit": "decimal",
      "productQuantity": "int"
    }
  ],
  "quantity": "int",
  "shippingDiscounts": [
    {
      "discount": {
        "couponCode": "string",
        "discount": {
          "expirationDate": "DateTime",

```

```

        "id": "int",
        "itemIds": "string",
        "name": "string"
    },
    "excluded": "bool",
    "impact": "decimal"
},
"discountQuantity": "int",
"impactPerUnit": "decimal",
"methodCode": "string"
}
],
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"subtotal": "decimal",
"taxableTotal": "decimal",
"total": "decimal",
"unitPrice": {
    "extendedAmount": "decimal",
    "listAmount": "decimal",
    "overrideAmount": "decimal",
    "saleAmount": "decimal"
}
}
}

```

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

exec.removeItemData

Removes custom key/value data from a cart item.

Parameters	Type	Description
key	string	Key of the data to remove from the cart item.
itemId	string	Id of the item from which to remove data if applied to a line item that is not the current line item. Current line item only applies when called from a cart item action.

Example:

```
context.exec.removeItemData("customField", "123");
```

Response:

```

{
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "discountedTotal": "decimal",
  "discountTotal": "decimal"
}

```

```
discountTotal": "decimal",
"extendedTotal": "decimal",
"feeTotal": "decimal",
"fulfillmentLocationCode": "string",
"fulfillmentMethod": "string",
"handlingAmount": "decimal",
"id": "string",
"isRecurring": "bool",
"isTaxable": "bool",
"itemTaxTotal": "decimal",
"lineId": "int",
"localeCode": "string",
"product": {
  "allocationExpiration": "DateTime",
  "allocationId": "int",
  "bundledProducts": [
    {
      "allocationExpiration": "DateTime",
      "allocationId": "int",
      "creditValue": "decimal",
      "description": "string",
      "fulfillmentStatus": "string",
      "goodsType": "string",
      "isPackagedStandAlone": "bool",
      "measurements": {
        "height": {
          "unit": "string",
          "value": "decimal"
        },
        "length": {
          "unit": "string",
          "value": "decimal"
        },
        "weight": {
          "unit": "string",
          "value": "decimal"
        },
        "width": {
          "unit": "string",
          "value": "decimal"
        }
      }
    },
    {
      "name": "string",
      "optionAttributeFQN": "string",
      "optionValue": "object",
      "productCode": "string",
      "productReservationId": "int",
      "quantity": "int"
    }
  ],
  "categories": [
    {
      "id": "int",
      "parent": "self"
    }
  ],
  "description": "string",
  "discountsRestricted": "bool",
  "discountsRestrictedEndDate": "DateTime",
  "discountsRestrictedStartDate": "DateTime",
```

```
"fulfillmentStatus": "string",
"fulfillmentTypesSupported": "string",
"goodsType": "string",
"imageAlternateText": "string",
"imageUrl": "string",
"isPackagedStandAlone": "bool",
"isRecurring": "bool",
"isTaxable": "bool",
"measurements": {
  "height": {
    "unit": "string",
    "value": "decimal"
  },
  "length": {
    "unit": "string",
    "value": "decimal"
  },
  "weight": {
    "unit": "string",
    "value": "decimal"
  },
  "width": {
    "unit": "string",
    "value": "decimal"
  }
},
"mfgPartNumber": "string",
"name": "string",
"options": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "name": "string",
    "shopperEnteredValue": "object",
    "stringValue": "string",
    "value": "object"
  }
],
"price": {
  "creditValue": "decimal",
  "msrp": "decimal",
  "price": "decimal",
  "salePrice": "decimal",
  "tenantOverridePrice": "decimal"
},
"productCode": "string",
"productReservationId": "int",
"productType": "string",
"productUsage": "string",
"properties": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "isMultiValue": "bool",
    "name": "string",
    "values": [
      {
        "stringValue": "string",
        "value": "object"
      }
    ]
  }
]
```

```
    }
  ]
}
},
"upc": "string",
"variationProductCode": "string"
},
"productDiscount": {
  "appliesToSalePrice": "bool",
  "couponCode": "string",
  "discount": {
    "expirationDate": "DateTime",
    "id": "int",
    "itemIds": "string",
    "name": "string"
  },
  "discountQuantity": "int",
  "excluded": "bool",
  "impact": "decimal",
  "impactPerUnit": "decimal",
  "productQuantity": "int"
},
"productDiscounts": [
  {
    "appliesToSalePrice": "bool",
    "couponCode": "string",
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "discountQuantity": "int",
    "excluded": "bool",
    "impact": "decimal",
    "impactPerUnit": "decimal",
    "productQuantity": "int"
  }
],
"quantity": "int",
"shippingDiscounts": [
  {
    "discount": {
      "couponCode": "string",
      "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
      },
      "excluded": "bool",
      "impact": "decimal"
    },
    "discountQuantity": "int",
    "impactPerUnit": "decimal",
    "methodCode": "string"
  }
],
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
```

```

"subtotal": "decimal",
"taxableTotal": "decimal",
"total": "decimal",
"unitPrice": {
  "extendedAmount": "decimal",
  "listAmount": "decimal",
  "overrideAmount": "decimal",
  "saleAmount": "decimal"
}
}

```

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

exec.setItemAllocation

Sets soft allocation information on a cart item.

Parameters	Type	Description
allocationId	int	Id of the allocation to set on the cart item.
expiration	date/time	Date/time of the allocation expiration.
productCode	string	Code of the product or product variation that is allocated.
itemId	string	Id of the item to set the allocation on if applied to a line item that is not the current line item. Current line item only applies when called for a cart item action.

Example:

```
context.exec.setItemAllocation(5, dateVariable, "LUC-SAMPLE-PROD", "123");
```

Response:

```

{
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "discountedTotal": "decimal",
  "discountTotal": "decimal",
  "extendedTotal": "decimal",
  "feeTotal": "decimal",
  "fulfillmentLocationCode": "string",
  "fulfillmentMethod": "string",
  "handlingAmount": "decimal",
  "id": "string",
  "isRecurring": "bool",
  "isTaxable": "bool",
  "itemTaxTotal": "decimal".
}

```

```
"lineId": "int",
"localeCode": "string",
"product": {
  "allocationExpiration": "DateTime",
  "allocationId": "int",
  "bundledProducts": [
    {
      "allocationExpiration": "DateTime",
      "allocationId": "int",
      "creditValue": "decimal",
      "description": "string",
      "fulfillmentStatus": "string",
      "goodsType": "string",
      "isPackagedStandAlone": "bool",
      "measurements": {
        "height": {
          "unit": "string",
          "value": "decimal"
        },
        "length": {
          "unit": "string",
          "value": "decimal"
        },
        "weight": {
          "unit": "string",
          "value": "decimal"
        },
        "width": {
          "unit": "string",
          "value": "decimal"
        }
      }
    },
    "name": "string",
    "optionAttributeFQN": "string",
    "optionValue": "object",
    "productCode": "string",
    "productReservationId": "int",
    "quantity": "int"
  ]
},
"categories": [
  {
    "id": "int",
    "parent": "self"
  }
],
"description": "string",
"discountsRestricted": "bool",
"discountsRestrictedEndDate": "DateTime",
"discountsRestrictedStartDate": "DateTime",
"fulfillmentStatus": "string",
"fulfillmentTypesSupported": "string",
"goodsType": "string",
"imageAlternateText": "string",
"imageUrl": "string",
"isPackagedStandAlone": "bool",
"isRecurring": "bool",
"isTaxable": "bool",
"measurements": {
```

```
"height": {
  "unit": "string",
  "value": "decimal"
},
"length": {
  "unit": "string",
  "value": "decimal"
},
"weight": {
  "unit": "string",
  "value": "decimal"
},
"width": {
  "unit": "string",
  "value": "decimal"
}
},
"mfgPartNumber": "string",
"name": "string",
"options": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "name": "string",
    "shopperEnteredValue": "object",
    "stringValue": "string",
    "value": "object"
  }
],
"price": {
  "creditValue": "decimal",
  "msrp": "decimal",
  "price": "decimal",
  "salePrice": "decimal",
  "tenantOverridePrice": "decimal"
},
"productCode": "string",
"productReservationId": "int",
"productType": "string",
"productUsage": "string",
"properties": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "isMultiValue": "bool",
    "name": "string",
    "values": [
      {
        "stringValue": "string",
        "value": "object"
      }
    ]
  }
]
},
"upc": "string",
"variationProductCode": "string"
},
"productDiscount": {
  "appliesToSalePrice": "bool",
  "couponCode": "string"
```

```
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "discountQuantity": "int",
    "excluded": "bool",
    "impact": "decimal",
    "impactPerUnit": "decimal",
    "productQuantity": "int"
  },
  "productDiscounts": [
    {
      "appliesToSalePrice": "bool",
      "couponCode": "string",
      "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
      },
      "discountQuantity": "int",
      "excluded": "bool",
      "impact": "decimal",
      "impactPerUnit": "decimal",
      "productQuantity": "int"
    }
  ],
  "quantity": "int",
  "shippingDiscounts": [
    {
      "discount": {
        "couponCode": "string",
        "discount": {
          "expirationDate": "DateTime",
          "id": "int",
          "itemIds": "string",
          "name": "string"
        },
        "excluded": "bool",
        "impact": "decimal"
      },
      "discountQuantity": "int",
      "impactPerUnit": "decimal",
      "methodCode": "string"
    }
  ],
  "shippingTaxTotal": "decimal",
  "shippingTotal": "decimal",
  "subtotal": "decimal",
  "taxableTotal": "decimal",
  "total": "decimal",
  "unitPrice": {
    "extendedAmount": "decimal",
    "listAmount": "decimal",
    "overrideAmount": "decimal",
    "saleAmount": "decimal"
  }
}
```

```
}
```

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

exec.removeItem

Removes an item from the cart.

Parameters	Type	Description
itemId	string	Id of the item to remove.

Example:

```
context.exec.removeItem("123");
```

Response:

```
{
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "changeMessages": [
    {
      "amount": "decimal",
      "appld": "string",
      "appKey": "string",
      "appName": "string",
      "correlationId": "string",
      "createDate": "DateTime",
      "id": "string",
      "identifier": "string",
      "message": "string",
      "metadata": "object",
      "newValue": "string",
      "oldValue": "string",
      "subject": "string",
      "subjectType": "string",
      "success": "bool",
      "userFirstName": "string",
      "userId": "string",
      "userLastName": "string",
      "userScopeType": "string",
      "verb": "string"
    }
  ],
  "channelCode": "string",
  "couponCodes": "string",
  "currencyCode": "string",
  "customerInteractionType": "string",
  "data": "string",
  "discountedSubtotal": "decimal",
  "discountedTotal": "decimal",
```

```
"discountTotal": "decimal",
"expirationDate": "DateTime",
"extendedProperties": [
  {
    "key": "string",
    "value": "string"
  }
],
"feeTotal": "decimal",
"fulfillmentInfo": {
  "auditInfo": {
    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "fulfillmentContact": {
    "address": {
      "address1": "string",
      "address2": "string",
      "address3": "string",
      "address4": "string",
      "addressType": "string",
      "cityOrTown": "string",
      "countryCode": "string",
      "isValidated": "bool",
      "postalOrZipCode": "string",
      "stateOrProvince": "string"
    },
    "companyOrOrganization": "string",
    "email": "string",
    "firstName": "string",
    "id": "int",
    "lastNameOrSurname": "string",
    "middleNameOrInitial": "string",
    "phoneNumbers": {
      "home": "string",
      "mobile": "string",
      "work": "string"
    }
  },
  "isDestinationCommercial": "bool",
  "shippingMethodCode": "string",
  "shippingMethodName": "string"
},
"handlingTaxTotal": "decimal",
"id": "string",
"invalidCoupons": [
  {
    "couponCode": "string",
    "createDate": "DateTime",
    "discountId": "int",
    "reason": "string",
    "reasonCode": "int"
  }
],
"items": [
  {
    "auditInfo": {
```

```

    "createBy": "string",
    "createDate": "DateTime",
    "updateBy": "string",
    "updateDate": "DateTime"
  },
  "data": "string",
  "discountedTotal": "decimal",
  "discountTotal": "decimal",
  "extendedTotal": "decimal",
  "feeTotal": "decimal",
  "fulfillmentLocationCode": "string",
  "fulfillmentMethod": "string",
  "handlingAmount": "decimal",
  "id": "string",
  "isRecurring": "bool",
  "isTaxable": "bool",
  "itemTaxTotal": "decimal",
  "lineId": "int",
  "localeCode": "string",
  "product": {
    "allocationExpiration": "DateTime",
    "allocationId": "int",
    "bundledProducts": [
      {
        "allocationExpiration": "DateTime",
        "allocationId": "int",
        "creditValue": "decimal",
        "description": "string",
        "fulfillmentStatus": "string",
        "goodsType": "string",
        "isPackagedStandAlone": "bool",
        "measurements": {
          "height": {
            "unit": "string",
            "value": "decimal"
          },
          "length": {
            "unit": "string",
            "value": "decimal"
          },
          "weight": {
            "unit": "string",
            "value": "decimal"
          },
          "width": {
            "unit": "string",
            "value": "decimal"
          }
        }
      }
    ],
    "name": "string",
    "optionAttributeFQN": "string",
    "optionValue": "object",
    "productCode": "string",
    "productReservationId": "int",
    "quantity": "int"
  }
},
"categories": [
  {

```

```
    "id": "int",
    "parent": "self"
  }
],
"description": "string",
"discountsRestricted": "bool",
"discountsRestrictedEndDate": "DateTime",
"discountsRestrictedStartDate": "DateTime",
"fulfillmentStatus": "string",
"fulfillmentTypesSupported": "string",
"goodsType": "string",
"imageAlternateText": "string",
"imageUrl": "string",
"isPackagedStandAlone": "bool",
"isRecurring": "bool",
"isTaxable": "bool",
"measurements": {
  "height": {
    "unit": "string",
    "value": "decimal"
  },
  "length": {
    "unit": "string",
    "value": "decimal"
  },
  "weight": {
    "unit": "string",
    "value": "decimal"
  },
  "width": {
    "unit": "string",
    "value": "decimal"
  }
},
"mfgPartNumber": "string",
"name": "string",
"options": [
  {
    "attributeFQN": "string",
    "dataType": "string",
    "name": "string",
    "shopperEnteredValue": "object",
    "stringValue": "string",
    "value": "object"
  }
],
"price": {
  "creditValue": "decimal",
  "msrp": "decimal",
  "price": "decimal",
  "salePrice": "decimal",
  "tenantOverridePrice": "decimal"
},
"productCode": "string",
"productReservationId": "int",
"productType": "string",
"productUsage": "string",
"properties": [
  {
    "attributeFQN": "string"
```

```

        attributeFQN : string ,
        "dataType": "string",
        "isMultiValue": "bool",
        "name": "string",
        "values": [
            {
                "stringValue": "string",
                "value": "object"
            }
        ]
    },
    "upc": "string",
    "variationProductCode": "string"
},
"productDiscount": {
    "appliesToSalePrice": "bool",
    "couponCode": "string",
    "discount": {
        "expirationDate": "DateTime",
        "id": "int",
        "itemIds": "string",
        "name": "string"
    },
    "discountQuantity": "int",
    "excluded": "bool",
    "impact": "decimal",
    "impactPerUnit": "decimal",
    "productQuantity": "int"
},
"productDiscounts": [
    {
        "appliesToSalePrice": "bool",
        "couponCode": "string",
        "discount": {
            "expirationDate": "DateTime",
            "id": "int",
            "itemIds": "string",
            "name": "string"
        },
        "discountQuantity": "int",
        "excluded": "bool",
        "impact": "decimal",
        "impactPerUnit": "decimal",
        "productQuantity": "int"
    }
],
"quantity": "int",
"shippingDiscounts": [
    {
        "discount": {
            "couponCode": "string",
            "discount": {
                "expirationDate": "DateTime",
                "id": "int",
                "itemIds": "string",
                "name": "string"
            },
            "excluded": "bool",
            "impact": "decimal"
        }
    }
]

```

```

    },
    "discountQuantity": "int",
    "impactPerUnit": "decimal",
    "methodCode": "string"
  }
],
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"subtotal": "decimal",
"taxableTotal": "decimal",
"total": "decimal",
"unitPrice": {
  "extendedAmount": "decimal",
  "listAmount": "decimal",
  "overrideAmount": "decimal",
  "saleAmount": "decimal"
}
}
],
"itemTaxTotal": "decimal",
"lastValidationDate": "DateTime",
"orderDiscounts": [
  {
    "couponCode": "string",
    "discount": {
      "expirationDate": "DateTime",
      "id": "int",
      "itemIds": "string",
      "name": "string"
    },
    "excluded": "bool",
    "impact": "decimal"
  }
],
"shippingSubTotal": "decimal",
"shippingTaxTotal": "decimal",
"shippingTotal": "decimal",
"siteId": "int",
"subtotal": "decimal",
"taxTotal": "decimal",
"tenantId": "int",
"total": "decimal",
"userId": "string",
"visitId": "string",
"webSessionId": "string"
}

```

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

Context Objects Available to All Actions

apiContext

Accesses Kibo eCommerce 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.
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;
```