

Enterprise Sales Management

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CHAPTER 1 Core Components in Enterprise Sales Management

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- [Integration Procedures for Enterprise Sales Management](#)
- [Lightning Web Components for Enterprise Sales Management](#)
- [Omniscrpts for Enterprise Sales Management](#)
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Enterprise Sales Management provides a library of reusable core components that are used as the building blocks for this implementation. Core components handle specific functions used across the various flows built in the solution. You can leverage these core components when you build customized solutions in your projects.

Enterprise Sales Management is built on top of the latest Salesforce Industries Communications, Media, and Energy (CME) release, including:

- Cards, Lightning Web Components, the Newport Design System (NDS), Templates, and Omniscripts for extending the UI and guided flows
- APIs and Integration Procedures for retrieving and processing data
- CME Communications data model, which includes extensions for Enterprise Sales Management
- Enterprise Product Catalog for commercial and technical catalog modeling
- Configure, Price, Quote for cart operations, validation, pricing, order creation, and configuration
- Contract Lifecycle Management for contract-based negotiation, ordering, and updates
- Industries Order Management for order decomposition and orchestration

APIs for Enterprise Sales Management

You can use the Enterprise Sales Management APIs to create and manage enterprise quotes by calling corresponding Integration Procedures.



Tip: Salesforce recommends using the Enterprise Sales Management [SDK for Enterprise Sales Management](#) and [Lightning Web Components for Enterprise Sales Management](#) to call these APIs instead of calling them directly. The SDK and LWCs improve usability and help you develop compelling UIs by hiding complex API semantics. You can use this Integration Procedure API information to better understand Enterprise Sales Management business processes.

Posting Data to an Integration Procedure

To post JSON data to a Enterprise Sales Management Integration Procedure, issue a POST call using a URL formatted as follows:

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/{type}_{subtype}/
```

Specify the type and subtype of the Integration Procedure, which can be found in its Integration Procedure details page.

To pass input data in a POST call, you can specify a JSON request body.

In the following example POST, the getAll_members Integration Procedure retrieves all quote members for a given quote ID.

```
POST
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/getAll_members/
```

Example POST JSON Data:

```
{
  "SalesQuoteId": "0Q03h000000TuXGCA0"
}
```

Example Result:

```
{
  "Members": [{
    "Id": "a5X5w000002KqC9EAK",
    "QuoteId__c": "0Q05w000001sayRCAQ",
    "Title__c": "VP",
    "Address1__c": "Suite 415",
    "Name": "Mary Sommer",
    "MemberType__c": "Location",
    "StreetAddress__c": "123 Main St",
    "State__c": "CA",
    "PostalCode__c": "94102",
    "MSISDN__c": "1234564567",
    "LastName__c": "Sommer",
    "FirstName__c": "Mary",
    "Email__c": "msommer@test.com",
    "Country__c": "USA",
    "City__c": "San Francisco"
  },
  {
    "UpsertSuccess": true,
    "Id": "a5X5w000002KqCAEA0",
    "QuoteId__c": "0Q05w000001sayRCAQ",
```

```

    "Title__c": "EVP",
    "Address1__c": "Suite 415",
    "Name": "Tom Hanks",
    "MemberType__c": "Subscriber",
    "StreetAddress__c": "1480 SantaClara St",
    "State__c": "CA",
    "PostalCode__c": "95050",
    "MSISDN__c": "123456489",
    "LastName__c": "Hanks",
    "FirstName__c": "Tom",
    "Email__c": "thanks@test.com",
    "Country__c": "USA",
    "City__c": "Santa Clara"
  }
]
}

```

Enterprise Sales Management API Descriptions

Use the API name to POST data to the corresponding Integration Procedure. For the ESM_checkServiceQualification and ESM_checkAddressValidation APIs, see [Add API Endpoint to Remote Site Settings](#).



Note: Some components have been renamed to align with the naming conventions of OmniStudio Standard Runtime, to provide support for it. For more information, download [this PDF](#).

API	Description	Corresponding Integration Procedure
AddMem_ToQG API on page 9	Add members to a quote group.	AddMembersToQGroup
AddQMQGToWC_CopyToEQ API on page 10	Add members and a quote group to the working cart and copy it to the enterprise quote.	AddQMQGToWCQLIsCopyToEQ
AddQMQGToWC_CopyToEQBatch API on page 10	Trigger a batch process to migrate and clone products from the working cart to the enterprise quote.	AddQMQGToWCQLIsCopyToEQBatch
b2bExpress_AddProductToCart API on page 11	Add a product to a working cart.	b2bExpress_AddProductToCart
b2bExpress_assetConfigData API on page 12	Store the information that is displayed on the assets page.	getAssetConfigData
b2bExpress_CreateSubOrder API on page 14	Create sub-orders for a given quote member. This API returns the record ID of the sub-order created.	CreateSubOrder

API	Description	Corresponding Integration Procedure
b2bExpress_DeleteMembers API on page 14	Delete members for a given quote member.	RemoveMembers
b2bExpress_getAssetsFromAccount API on page 15	Get child assets for a given account ID, root asset ID, and page size.	getAssetsFromAccount
b2bExpress_SalesOrder API on page 15	Create orders for the given quote ID and account ID. This API returns the principal order ID.	SalesOrder
b2bExpress_SubmitSubOrder API on page 16	Submit an order.	SubmitSubOrder
b2bExpress_SubmitSubOrders API on page 17	Submit all sub-orders.	SubmitSubOrders
b2bExpress_SubOrders API on page 17	Create sub-orders for a given quote member.	SubOrders
b2bExpress_TemplateConfigData API on page 18	Fetch Vlocity Document Template details for a given configuration.	B2BExpress_TemplateConfigData
b2bExpress_UpdateQtyPrice API on page 19	Update quantity and reprice order items that belong to a specific group.	UpdateQtyPrice
b2bExpress_updateQuantityAndReprice API on page 19	Update quantity and perform repricing for a given quote ID and quantity.	UpdateQuantityAndRepriceCart
CloneEQLsToWC_PriceCopyBackToEQ API on page 20	Clone enterprise quote line items (QLIs) to working cart, apply pricing, and copy back to the enterprise quote.	CloneEQLsToWCPriceCopyEQLs
CloneModifyTo_SalesQLs API on page 21	Clone modified working cart quote line items (QLIs) to sales QLIs and delete the working cart.	CloneModifyWorkingCartToSalesQLs
CloneModifyTo_SalesQLsWQPR API on page 21	Clone the modified working cart quote line items (QLIs) to sales QLIs, delete the working cart, and update the Quote Product Rollup object.	CloneModifyWCToSalesQLs
CloneSalesQLs_ToGCartQLs API on page 22	Clone sales quote line items (QLIs) to working cart QLIs.	CloneSalesQuoteToWorkingCart

API	Description	Corresponding Integration Procedure
CloneSalesQToWC_Discounts API on page 23	Clone sales quote line items (QLIs) to working cart QLIs with discounts and adjustments.	CloneSalesQToWCDiscounts
CloneTo_SalesQLs API on page 23	Clone the working cart quote line items (QLIs) to sales QLIs.	CloneWorkingCartToSalesQLs
create_NewGroupAssignMembers API on page 24	Create a group and assign members to it in a single call.	CreateGroup&AssignMembers
create_WorkingCart API on page 25	Create a working cart quote based on a sales quote.	CreateWorkingCartQuote
ESM_checkAddressValidation API on page 26	Validate the addresses selected with the valid addresses provided by TMF API.	ESM_checkAddressValidation
ESM_checkServiceQualification API on page 27	Check service qualification for specific locations using TMF API.	ESM_checkServiceQualification
ESM_CreateSubOrderForNonMembers API on page 27	Create a sub-order for line items without any members or groups using ESM CreateOrder API.	ESM_CreateSubOrderForNonMembers
ESM_CustomViewSetup API on page 28	Store information about the custom views created for the Summary page.	ESM_CustomViewSetup
ESM_DelinkRelatedItemFromCart API on page 28	Delink a related quote item (product) from another item of the same quote (from QuoteLineItemRelationship Subject).	ESM_DelinkRelatedItemFromCart
ESM_EvaluateFormula API on page 30	Evaluate an expression.	ESM_EvaluateFormula
ESM_getCartItemsByView API on page 30	Retrieve quote line items for a given quote ID and display option.	ESM_getCartItemsByView
ESM_getRelatedProducts API on page 32	Fetches the related Products QLI from a quote for a particular product relationship.	ESM_getRelatedProducts
ESM_LinkProducts API on page 33	Saves QLI product relationship.	ESM_LinkProducts
ESM_UpdateQuoteLineItems API on page 34	Update a quote line item and its related child items with the given set of fields and values.	ESM_UpdateQuoteLineItems

API	Description	Corresponding Integration Procedure
ESM_validateRecords API on page 35	Validate quote line items.	ESM_validateRecords
getAll_members API on page 36	Get all quote members for a given quote ID.	GetAllMembers
getAll_QuoteGroup API on page 37	Get all custom quote groups for a sales quote.	GetAllQGroupForSQ
member_upload API on page 38	Upload a CSV file with new subscribers or locations.	UploadMembers
QMgetFields_WFieldLabel API on page 41	Get the field set with fields and labels for the quote members.	QuoteMemberGetFields
Remove_QuoteGroup API on page 41	Remove the quote group from the enterprise quote.	RemoveQuoteGroup
removeQM_FromQuoteGroup API on page 42	Remove a quote member record from the quote group.	RemoveQMFromQuoteGroup
UpdateCloneModify_SalesQLisWQPR API on page 43	Updates, clones, or modifies the quote line items for a given cart ID, group ID, quote member ID, or quote ID.	UpdateMemberIdForWC
update_QGroupName API on page 43	Update the name of the quote group.	UpdateQuoteGroupName

[Add API Endpoint to Remote Site Settings](#)

For ESM_checkServiceQualification API and ESM_checkAddressValidation API, you must add the base URL of your TMF API endpoint to remote site settings.

[AddMem_ToQG API](#)

Add members to a quote group.

[AddQMQGToWC_CopyToEQ API](#)

Add members and a quote group to the working cart and copy it to the enterprise quote.

[AddQMQGToWC_CopyToEQBatch API](#)

Trigger a batch process to migrate and clone products from the working cart to the enterprise quote.

[b2bExpress_AddProductToCart API](#)

Add a product to a working cart.

[b2bExpress_assetConfigData API](#)

Retrieve the information that is displayed on the assets page.

[b2bExpress_CreateSubOrder API](#)

Create sub-orders for a given quote member. This API returns the record ID of the sub-order created.

[b2bExpress_DeleteMembers API](#)

Delete members for a given quote member.

[b2bExpress_getAssetsFromAccount API](#)

Get child assets for a given account ID, root asset ID, and page size.

[b2bExpress_SalesOrder API](#)

Create orders for the given quote ID and account ID. This API returns the principal order ID.

[b2bExpress_SubmitSubOrder API](#)

Submit an order.

[b2bExpress_SubmitSubOrders API](#)

Submit all sub-orders.

[b2bExpress_SubOrders API](#)

Create sub-orders for a given quote member.

[b2bExpress_TemplateConfigData API](#)

Fetch VLOCITY Document Template details for a given configuration.

[b2bExpress_UpdateQtyPrice API](#)

Update quantity and reprice order items that belong to a specific group.

[b2bExpress_updateQuantityAndReprice API](#)

Update quantity and perform repricing for a given quote ID and quantity.

[CloneEQLsToWC_PriceCopyBackToEQ API](#)

Clone enterprise quote line items (QLIs) to working cart, apply pricing, and copy back to the enterprise quote.

[CloneModifyTo_SalesQLs API](#)

Clone modified working cart quote line items (QLIs) to sales QLIs and delete the working cart.

[CloneModifyTo_SalesQLsWQPR API](#)

Clone the modified working cart quote line items (QLIs) to sales QLIs, delete the working cart, and update the Quote Product Rollup object.

[CloneSalesQLs_ToGCartQLs API](#)

Clone sales quote line items (QLIs) to working cart QLIs.

[CloneSalesQToWC_Discounts API](#)

Clone sales quote line items (QLIs) to working cart QLIs with discounts and adjustments.

[CloneTo_SalesQLs API](#)

Clone the working cart quote line items (QLIs) to sales QLIs.

[create_NewGroupAssignMembers API](#)

Create a group and assign members to it in a single call.

[create_WorkingCart API](#)

Create a working cart quote based on a sales quote.

[ESM_BulkDisconnectQuoteLineItems](#)

Enable bulk disconnect of quote line items with configurable pricing and validation options.

[ESM_checkAddressValidation API](#)

Validate the addresses selected with the valid addresses provided by TMF API.

[ESM_checkServiceQualification API](#)

Check service qualification for specific locations using TMF API.

[ESM_CreateSubOrderForNonMembers API](#)

Create a sub-order for line items without any members or groups using ESM CreateOrder API.

[ESM_CustomViewSetup API](#)

Store information about the custom views created for the Summary page.

[ESM_DelinkRelatedItemFromCart API](#)

Delink a related quote item (product) from another item of the same quote (from QuoteLineItemRelationship Subject).

[ESM_DisconnectLineItems](#)

Disconnects one or more quote line items from the sales quote.

[ESM_EvaluateFormula API](#)

Evaluate an expression.

[ESM_getCartItemsByView API](#)

Retrieve quote line items for a given Quote ID as per the option selected in the **Displaying** list.

[ESM_getRelatedProducts API](#)

Fetches the related Products QLI from a quote for a particular product relationship.

[ESM_LinkProducts API](#)

Saves QLI product relationship.

[ESM_UpdateQuoteLineItems API](#)

Update a quote line item and its related child items with the given set of fields and values.

[ESM_validateRecords API](#)

Validate quote line items.

[getAll_members API](#)

Get all quote members for a given quote ID.

[getAll_QuoteGroup API](#)

Get all custom quote groups for a sales quote.

[member_upload API](#)

Upload a CSV file with new subscribers or locations.

[QMgetFields_WFieldLabel API](#)

Get the field set with fields and labels for the quote members.

[Remove_QuoteGroup API](#)

Remove the quote group from the enterprise quote.

[removeQM_FromQuoteGroup API](#)

Remove a quote member record from the quote group.

[update_QGroupName API](#)

Update the name of the quote group.

[UpdateCloneModify_SalesQLsWQPR API](#)

Updates, clones, or modifies the quote line items for a given cart ID, group ID, quote member ID, or quote ID.

Add API Endpoint to Remote Site Settings

For ESM_checkServiceQualification API and ESM_checkAddressValidation API, you must add the base URL of your TMF API endpoint to remote site settings.

For more information about Remote Site Settings, see [Configure Remote Site Settings](#).

1. In your Enterprise Sales Management org, go to Settings and click Setup.
2. In Quick Find, enter and click Remote Site Settings.
3. Click New Remote Site.
4. Enter the Remote Site Name.
5. Enter the URL in the Remote Site URL. For example:

```
http://demo8317683.mockable.io/
```

6. Select the Active checkbox.
7. Click Save.

AddMem_ToQG API

Add members to a quote group.

This API is used with the AddMembersToQGroup Vlocity Integration Procedure (VIP) to add locations or subscribers to the specified quote group.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/AddMem_ToQG/
```

HTTP Method

POST

Request

```
{
  "SalesQuoteId": "0Q05w0000011s3PCAQ",
  "QuoteGroupId": "a453h000000QRgF",
  "Members": [{
    "Id": "a5X5w000002CQ4c"
  },
  {
    "Id": "a5X5w000002DFEd"
  },
  {
    "Id": "a5X5w000002DFEi"
  },
  {
    "Id": "a5X5w000002CQ4b"
  }
]
```

Response

```
{
  "QuoteGroupId": "0Q03h000000TpbH"
}
```

AddQMQGToWC_CopyToEQ API

Add members and a quote group to the working cart and copy it to the enterprise quote.

This API is used with the AddQMQGToWCQLsCopyToEQ Vlocity Integration Procedure (VIP) to add locations or subscribers and a quote group to the working cart and copy it to the enterprise quote.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/AddQMQGToWC_CopyToEQ/
```

HTTP Method

POST

Request

```
{
  "MemberIds": [{
    "Id": "a5X3h000000xugJ"
  },
  {
    "Id": "a5X3h000000xugE"
  }],
  "QuoteGroupIds": [{
    "Id": "a453h000000I0i2"
  },
  {
    "Id": "a453h000000I0i7"
  }],
  "WorkingCartId": "0Q03h000000Yki5CAC",
  "SalesQuoteId": "0Q03h000000Ykh1CAC"
}
```

Response

```
{
  "SalesQuoteId": "0Q03h000000TpbH"
}
```

AddQMQGToWC_CopyToEQBatch API

Trigger a batch process to migrate and clone products from the working cart to the enterprise quote.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/AddQMQGToWC_CopyToEQBatch/
```

HTTP Method

POST

Request

```
{
  "MemberIds": [{
    "Id": "a5X3h000000xugJ"
  },
  {
    "Id": "a5X3h000000xugE"
  }],
  "QuoteGroupIds": [{
    "Id": "a453h000000I0i2"
  },
  {
    "Id": "a453h000000I0i7"
  }],
  "WorkingCartId": "0Q03h000000Yki5CAC",
  "SalesQuoteId": "0Q03h000000YkhlCAC",
  "BatchSize": 20
}
```

Response

```
{
  "AddToMemberJobId": "SalesforceJobId"
}
```

b2bExpress_AddProductToCart API

Add a product to a working cart.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/b2bExpress_AddProductToCart/
```

HTTP Method

POST

Request

```
{
  "QuoteId": "",
  "itemId": ""
}
```

Response

This API returns the details of the working cart. The response can run into hundreds of lines.

b2bExpress_assetConfigData API

Retrieve the information that is displayed on the assets page.

This API is used to store the field and label information that is displayed on the new Assets subtab of the Account page.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/b2bExpress_assetConfigData/
```

HTTP Method

POST

Request

```
{ }
```

Response

```
{
  "responseData": {
    "columnMap": [{
      "label": "Id",
      "valueMap": "Id.value",
      "visible": false
    },
    {
      "label": "Asset Name",
      "valueMap": "Name",
      "collapsible": true,
      "showAttrs": true
    },
    {
      "label": "Service Account",
      "valueMap": "vLOCITY_cmt__ServiceAccountId__r.Name"
    },
    {
      "label": "Billing Account",
```



```

    "valueMap": "vlocity_cmt__BillingAccountId__r.Name"
  },
  {
    "label": "Service Identifier",
    "valueMap": "vlocity_cmt__ServiceIdentifier__c.value"
  },
  {
    "label": "Contract",
    "valueMap": "vlocity_cmt__ContractId__r.ContractNumber"
  },
  {
    "label": "Recurring Total",
    "valueMap": "vlocity_cmt__RecurringTotal__c.value",
    "dataType": "Currency",
    "align": "right"
  },
  {
    "label": "One Time Total",
    "valueMap": "vlocity_cmt__OneTimeTotal__c.value",
    "dataType": "Currency",
    "align": "right"
  },
  {
    "label": "Status",
    "valueMap": "vlocity_cmt__ProvisioningStatus__c.value"
  }
],
"displayActionOptions": [{
  "label": "Change to Quote",
  "value": "Quote"
},
{
  "label": "Change to Order",
  "value": "Order"
}
],
"tableGroupFilterOptions": [
  "Name",
  "ServiceAccountId__r",
  "BillingAccountId__r",
  "Contract__c",
  "ProvisioningStatus__c"
],
"excludeRepititiveColumnDataKeys": [
  "vlocity_cmt__BillingAccountId__r",
  "vlocity_cmt__ServiceAccountId__r",
  "vlocity_cmt__ProvisioningStatus__c"
]
}
}

```

b2bExpress_CreateSubOrder API

Create sub-orders for a given quote member. This API returns the record ID of the sub-order created.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/b2bExpress_CreateSubOrder/
```

HTTP Method

POST

Request

```
{
  "AccountId": "0014x000006rsc1AAA",
  "MasterOrderId": "8014x000000PSFBAA4",
  "QuoteId": "0Q04x000000Y4d8CAC",
  "QuoteLineItems": {
    "Ids": [{
      "Id": "0QL4x000000YR3hGAG"
    }]
  },
  "SubOrderRecordTypeId": "0124x000000PXJUAA4"
}
```

Response

```
{
  "SubOrderId": "8014x000000PSFaAAO"
}
```

b2bExpress_DeleteMembers API

Delete members for a given quote member.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/b2bExpress_DeleteMembers/
```

HTTP Method

POST

Request

```
{
  "QuoteMemberId": "a4t4x000000cTZxAAM"
}
```

Response

```
{ }
```

b2bExpress_getAssetsFromAccount API

Get child assets for a given account ID, root asset ID, and page size.

This API is used to get child assets for a given account ID, root asset ID, and page size. This API uses the `getAssetsByAccount()` method from the `CpqAppHandler` class.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/b2bExpress_getAssetsFromAccount/
```

HTTP Method

POST

Request

```
{
  "accountId": "0015Y00002doyzqQAA",
  "lastAssetId": "02i5Y00000Xrw0QQAR",
  "pageSize": "1"
}
```

Response

This API returns the details of the assets in an account. The response can run into hundreds of lines.

b2bExpress_SalesOrder API

Create orders for the given quote ID and account ID. This API returns the principal order ID.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/b2bExpress_SalesOrder/
```

HTTP Method

POST

Request

```
{
  "Quote": {
    "vlocity_srlna46__DefaultBillingAccountId__c": "001RO000002bM5rYAE",
    "vlocity_srlna46__DefaultServiceAccountId__c": "001RO000002wAYXYA2",
    "AccountId": "001RO000002yy1KYAQ",
    "Id": "0Q0RO0000000jp60AA",
    "RecordTypeId": "012RO0000004X2GYAU"
  }
}
```

Response

```
{
  "MasterOrderId": "8014x000000PSFBAA4"
}
```

b2bExpress_SubmitSubOrder API

Submit an order.

You can enable either CPQ or OM by making the appropriate element in the Integration Procedure active: CreateAssetsFlow-CPQ or CreateAssetsFlow-OM.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/b2bExpress_SubmitSubOrder/
```

HTTP Method

POST

Request

```
{
  "ContextId": "8015e0000004DofAAE"
}
```

Response

```
{
  "canSubmitOrder": true,
  "canSubmitOrderMessage": "",
  "cpqCreateAssetsValue": "OM",
  "errorMessage": "{\"isOff\":false,\"isOk\":true,\"planId\":\"a2y5e000000bqdv\"}",
  "errorStatus": "OK",
  "hasError": false,
  "message": ""
}
```

b2bExpress_SubmitSubOrders API

Submit all sub-orders.

This API is invoked by the primary order to submit all the sub-orders.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/b2bExpress_SubmitSubOrders/
```

HTTP Method

POST

Request

```
{
  "ContextId": "8015e0000004DoQAAU"
}
```

Response

```
{ }
```

b2bExpress_SubOrders API

Create sub-orders for a given quote member.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/b2bExpress_SubOrders/
```

HTTP Method

POST

Request

```
{
  "AccountId": "0014x000002P0arAAC",
  "MasterOrderId": "8014x000000QEldAAG",
  "QuoteId": "0Q04x000000YcYbCAK",
  "QuoteMember": {
    "City": "Gaithersburg",
    "Country": "United States",
    "Id": "a4t4x000000cxPgAAI",
    "Name": "7769 Nec Street",
    "QuoteLineItems": [{
```

```

    "Id": "0QL4x000000Z0OmGAK"
  }, {
    "Id": "0QL4x000000Z0OnGAK"
  }, {
    "Id": "0QL4x000000Z0OoGAK"
  }, {
    "Id": "0QL4x000000Z0OpGAK"
  }, {
    "Id": "0QL4x000000Z0OqGAK"
  }, {
    "Id": "0QL4x000000Z0OrGAK"
  }, {
    "Id": "0QL4x000000Z0OsGAK"
  }, {
    "Id": "0QL4x000000Z0OtGAK"
  }, {
    "Id": "0QL4x000000Z0OuGAK"
  }
],
"State": "MD"
},
"SARecordTypeId": "0124x000000PXJLAA4",
"SORecordTypeId": "0124x000000PXJUAA4"
}

```

Response

```

{
  "SubOrderCreated": {
    "RecordId": "8014x000000QEldAAG"
  }
}

```

b2bExpress_TemplateConfigData API

Fetch Vlocity Document Template details for a given configuration.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/b2bExpress_TemplateConfigData/
```

HTTP Method

POST

Request

```

{
  "AggregationLevel": "Member",
  "TemplateCategory": "Proposal",

```

```
"TemplateSubtype": "Summary",
"TemplateType": "Microsoft Word .DOCX Template"
}
```

Response

```
{
  "DocumentTemplate": {
    "Id": "a0p5Y00000aFiNyQAK",
    "Name": "B2BExpressProposalMemberSummary",
    "TemplateType": "Microsoft Word .DOCX Template",
    "VersionNumber": 1
  },
  "DocumentTemplates": {
    "Id": "a0p5Y00000aFiNyQAK",
    "Name": "B2BExpressProposalMemberSummary",
    "TemplateType": "Microsoft Word .DOCX Template",
    "VersionNumber": 1
  }
}
```

b2bExpress_UpdateQtyPrice API

Update quantity and reprice order items that belong to a specific group.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/b2bExpress_UpdateQtyPrice/
```

HTTP Method

POST

Request

```
{
  "SubOrderId": "8014x000000g9DDAAY"
}
```

Response

```
{
  "message": "",
  "totalsize": 0
}
```

b2bExpress_updateQuantityAndReprice API

Update quantity and perform repricing for a given quote ID and quantity.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/b2bExpress_updateQuantityAndReprice/
```

HTTP Method

POST

Request

```
{
  "Quantity": 5,
  "QuoteId": "0Q04W000001nw9lSAA"
}
```

Response

```
{ }
```

CloneEQLIsToWC_PriceCopyBackToEQ API

Clone enterprise quote line items (QLIs) to working cart, apply pricing, and copy back to the enterprise quote.

This API is used with the CloneEQLIsToWCPriceCopyEQLIs Vlocity Integration Procedure (VIP) to run pricing for enterprise quote line items.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/CloneEQLIsToWC_PriceCopyBackToEQ/
```

HTTP Method

POST

Request

```
{
  "SalesQuoteId": "0Q03h000000TuXG",
  "RootItemIds": [{
    "Id": "0QL3h000000Pvy4GAC"
  }]
}
```

Response

```
{
  "SalesQuoteId": "0Q03h000000TpbH"
}
```


CloneModifyTo_SalesQLIs API

Clone modified working cart quote line items (QLIs) to sales QLIs and delete the working cart.

This API is used with the CloneModifyWorkingCartToSalesQLIs Vlocity Integration Procedure (VIP) to copy the modified QLIs in the working cart to the sales QLIs.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/CloneModifyTo_SalesQLIs/
```

HTTP Method

POST

Request

```
{
  "SalesQuoteId": "0Q03h000000Tu4q",
  "RootItemIds": [{
    "Id": "0QL3h000000gv5UGAQ"
  },
  {
    "Id": "0QL3h000000gv5eGAA"
  }]
}
```

Response

```
{
  "SalesQuoteId": "0Q03h000000Tu4q"
}
```

CloneModifyTo_SalesQLIsWQPR API

Clone the modified working cart quote line items (QLIs) to sales QLIs, delete the working cart, and update the Quote Product Rollup object.

This API is used with the CloneModifyWCToSalesQLIs Vlocity Integration Procedure (VIP) to copy the modified QLIs in the working cart to the sales QLIs, remove the working cart, and update the Quote Product Rollup object. Do not call this API in the bulk pricing flow.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/CloneModifyTo_SalesQLIsWQPR/
```

HTTP Method

POST

Request

```
{
  "GroupCartId": "0Q03h000000Tu2BCAS",
  "SalesQuoteId": "0Q03h000000TpBH",
  "RootItemIds": [{
    "Id": "0QL3h000000gvHcGAI"
  },
  {
    "Id": "0QL3h000000gvHmGAI"
  }]
}
```

Response

```
{
  "SalesQuoteId": "0Q03h000000TuXGCA0"
}
```

CloneSalesQLIs_ToGCartQLIs API

Clone sales quote line items (QLIs) to working cart QLIs.

This API is used with the CloneSalesQuoteToWorkingCart Vlocity Integration Procedure (VIP) to copy the sales QLIs to the working cart QLIs.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/CloneSalesQLIs_ToGCartQLIs/
```

HTTP Method

POST

Request

```
{
  "SalesQuoteId": "0Q03h000000Tu4q",
  "RootItemIds": [{
    "Id": "0QL3h000000gv5UGAQ"
  },
  {
    "Id": "0QL3h000000gv5eGAA"
  }],
  "MemberId": "a455w000002AMe7AAG"
}
```

Response

```
{
  "GroupCartId": "0Q03h000000TpbH"
}
```

CloneSalesQToWC_Discounts API

Clone sales quote line items (QLIs) to working cart QLIs with discounts and adjustments.

This API is used with the CloneSalesQToWCDiscounts Vlocity Integration Procedure (VIP) to copy the sales QLIs to the working cart QLIs, including discounts and adjustments.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/CloneSalesQToWC_Discounts/
```

HTTP Method

POST

Request

```
{
  "SalesQuoteId": "0Q03h000000TuXG",
  "RootItemIds": [{
    "Id": "0QL3h000000Pvy4GAC"
  }]
}
```

Response

```
{
  "WorkingCartId": "0Q03h000000TpbH"
}
```

CloneTo_SalesQLIs API

Clone the working cart quote line items (QLIs) to sales QLIs.

This API is used with the CloneWorkingCartToSalesQLIs Vlocity Integration Procedure (VIP) to copy the working cart QLIs to the sales QLIs.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/CloneTo_SalesQLIs/
```

HTTP Method

POST

Request

```
{
  "GroupCartId": "0Q03h000000Tu55CAC",
  "SalesQuoteId": "0Q03h000000Tu4q"
}
```

Response

```
{
  "SalesQuoteId": "0Q03h000000TpbH"
}
```

create_NewGroupAssignMembers API

Create a group and assign members to it in a single call.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/create_NewGroupAssignMembers/
```

HTTP Method

POST

Request

```
{
  "GroupName": "G2",
  "MemberType": "Location",
  "SalesQuoteId": "0Q04x000000t8uYCAQ",
  "Members": [{
    "Id": "a5o4x000000t9fgAAA"
  },
  {
    "Id": "a5o4x000000t9fhAAA"
  }
]
```

Response

```
{
  "GroupName": "G2",
  "QuoteGroupId": "a454x000000Y6DIAA0",
}
```

```
"SalesQuoteId": "0Q04x000000t8uYCAQ"
}
```

create_WorkingCart API

Create a working cart quote based on a sales quote.

This API is used with the CreateWorkingCartQuote Vlocity Integration Procedure (VIP) to create a working cart based on the SalesQuoteId parameter value.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/create_WorkingCart/
```

HTTP Method

POST

Request

```
{
  "SalesQuoteId": "0Q03h000000TpbH"
}
```

Response

```
{
  "WorkingCartId": "0Q03h000000Tu7uCAC",
  "SalesQuoteId": "0Q03h000000TpbH"
}
```

ESM_BulkDisconnectQuoteLineItems

Enable bulk disconnect of quote line items with configurable pricing and validation options.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_BulkDisconnectQuoteLineItems
```

HTTP Method

POST

Request

```
{
  "quoteId": "0Q0Hs0000003odTpKAI",
  "RootItemIds": [
```

```

        "0QLHs00000880GsOAI",
        "0QLHs00000880GwOAI"
    ]
}

```

Response

```

{
  "IPResult": {
    "asyncProcessId": "a0YHs00000HXrzGMAT",
    "asyncProcessName": "Bulk Disconnect for 0Q0Hs000003odTpKAI",
    "referenceId": "0Q0Hs000003odTpKAI_bulk_disconnect_QLIs",
    "code": 202,
    "statusMessage": "Job accepted.",
    "technicalMessage": null,
    "errorCode": "INVOKE-200",
    "error": "OK"
  },
  "errorCode": "INVOKE-200",
  "error": "OK"
}

```

ESM_checkAddressValidation API

Validate the addresses selected with the valid addresses provided by TMF API.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/ESM_checkAddressValidation/
```

HTTP Method

POST

Request

```

{
  "QuotememberIds": [
    "a4c8c0000001a9xAAA",
    "a4c8c0000001a9sAAA",
    "a4c8c0000001a9nAAA",
    "a4c8c0000001a9iAAA"
  ]
}

```

Response

The response is too large to capture. Please run the IP to know more.

ESM_checkServiceQualification API

Check service qualification for specific locations using TMF API.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_checkServiceQualification/
```

HTTP Method

POST

Request

```
{
  "QuoteMemberIds": [
    "a5Y5f000000Jf2VEAS",
    "a5Y5f000000Jf2WEAS",
    "a5Y5f000000Jf2XEAS"
  ],
  "SelectedServiceName": [
    "Internet-test",
    "Landline-test",
    "TV-test",
    "Mobile-test"
  ]
}
```

Response

The response is too large to capture. Please run the IP to know more.

ESM_CreateSubOrderForNonMembers API

Create a sub-order for line items without any members or groups using ESM CreateOrder API.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_CreateSubOrderForNonMembers/
```

HTTP Method

POST

Request

```
{
  "AccountId": "",

```

```
"LineItemIds": "",
"MasterOrderId": "",
"QuoteId": "",
"SORecordTypeId": ""
}
```

Response

```
{
  "SubOrderId": ""
}
```

ESM_CustomViewSetup API

Store information about the custom views created for the Summary page.

This API is used to determine the fields shown on the Summary page for each option selected in the **Displaying** list. It also determines the OmniScript that is launched by the **Enrich Quote** button for each option selected in the **Displaying** list.

The information stored by this API includes:

- The list of read-only fields shown on the Summary page.
- The list of fields displayed on the Summary page for each option selected in the **Displaying** list.
- The name of the OmniScript launched for each option selected in the **Displaying** list. The relevant OmniScript is launched when you click **Enrich Quote**.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_CustomViewSetup/
```

HTTP Method

POST

Request

```
{ }
```

Response

```
{ }
```

ESM_DelinkRelatedItemFromCart API

Delink a related quote item (product) from another item of the same quote (from QuoteLineItemRelationship Subject).

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_DelinkRelatedItemFromCart/
```

HTTP Method

POST

Request

```
{
  "Id": "a3bRO00000000FGYAY"
}
```

Response

```
{}
```

ESM_DisconnectLineItems

Disconnects one or more quote line items from the sales quote.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_DisconnectLineItems
```

HTTP Method

POST

Request

```
{
  "RootItemIds": [
    {
      "Id": "0QLHs00000880GnOAI"
    }
  ],
  "SalesQuoteId": "0Q0Hs000003odTpKAI",
  "actionType": "Disconnect"
}
```

Response

```
{}
```

Evaluate an expression.

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_EvaluateFormula/
```

POST

```
{
  "Expression": "'Surat' INCLUDES 'Surat'"
}
```

{ }

Retrieve quote line items for a given Quote ID as per the option selected in the **Displaying** list.

```
/services/apexrest/vlocity cmt/v1/integrationprocedure/ESM getCartItemsByView/
```

POST

```
{
  "cartId": "0Q0Hp000003kFIDKA2",
  "pageSize": "10",
  "include": "count,defaultFields,productRelationships,modifiedInfo,errorInfo",
  "offset": "0",
  "searchByFields":
"ProductType,OrderTime,OrderTime,OrderTime,SearchIndex,OrderTime,SearchIndex,OrderTime,City,OrderTime,Address,OrderTime,FlightTime",
  "searchText": "wan",
  "sortByField": ""
}
```

Response

```
{
  "attributeInfo": {
    "attributeCodeNameMap": {
      "VEPC_ATTR_SDWAN_NETWORK_TOPOLOGY": "SD WAN Network Topology",
      "VEPC_ATTR_SDWAN_BANDWIDTH": "SD WAN Bandwidth",
      "VEPC_ATTR_CONTRACT_TERM": "Contract Term"
    },
    "errorCode": "INVOKE-200",
    "error": "OK"
  },
  "response": {
    "TotalCount": 1,
    "pageSize": 1,
    "results": [
      {
        "attributes": {
          "type": "QuoteLineItem",
          "url": "/services/data/v62.0/subjects/QuoteLineItem/0QLHp000004V2PYOA0"
        },
        "vlocity_eagle__BillingAccountId__c": "001Hp00002pyMD0IAM",
        "vlocity_eagle__AttributeSelectedValues__c":
        "{\\"VEPC_ATTR_CONTRACT_TERM\\":\\"Month-to-Month\\",\\"VEPC_ATTR_SDWAN_NETWORK_TOPOLOGY\\":\\"Independent
        Branch Locations\\",\\"VEPC_ATTR_SDWAN_BANDWIDTH\\":\\"50 Mbps\\"}",
        "vlocity_eagle__IsValidated__c": false,
        "vlocity_eagle__Action__c": "Add",
        "vlocity_eagle__AssetReferenceId__c": "33a87909-3079-f768-6832-81dadbf11802",
        "vlocity_eagle__OneTimeTotal__c": 500,
        "vlocity_eagle__RecurringTotal__c": 50,
        "vlocity_eagle__RootItemId__c": "33a87909-3079-f768-6832-81dadbf11802",
        "Id": "0QLHp000004V2PYOA0",
        "Product2Id": "01tHp00000BapTAIAZ",
        "Quantity": 1,
        "vlocity_eagle__BillingAccountId__r": {
          "attributes": {
            "type": "Account",
            "url": "/services/data/v62.0/subjects/Account/001Hp00002pyMD0IAM"
          },
          "Name": "Acme",
          "BillingAddress": {
            "city": "New York",
            "country": "USA",
            "geocodeAccuracy": null,
            "latitude": null,
            "longitude": null,
            "postalCode": "31349",
            "state": "NY",
            "street": "10 Main Rd."
          },
          "Id": "001Hp00002pyMD0IAM",
          "RecordTypeId": "012Hp000002BM54IAG"
        }
      }
    ]
  }
}
```

```

    },
    "Product2": {
      "attributes": {
        "type": "Product2",
        "url": "/services/data/v62.0/subjects/Product2/01tHp00000BapTAIAZ"
      },
      "Name": "Meraki MX SD-WAN",
      "Id": "01tHp00000BapTAIAZ",
      "RecordTypeId": "012Hp000002Jod1IAG"
    }
  ],
  "assetIdToQuoteMap": {},
  "assetIdToOrderMap": {},
  "assetIdToAssetMap": {},
  "ProductRelationship": [],
  "ModifiedRoots": [
    {
      "attributes": {
        "type": "AggregateResult"
      },
      "vLOCITY_eagle__RootItemId__c": "33a87909-3079-f768-6832-81dadbf11802"
    }
  ],
  "itemIdToErrorMessages": {
    "0QLHp000004V2PYOA0": {},
    "0QLHp000004V2PaOAK": {},
    "0QLHp000004V2PZOAO": {}
  },
  "itemIdErrorMap": {
    "0QLHp000004V2PYOA0": false,
    "0QLHp000004V2PaOAK": false,
    "0QLHp000004V2PZOAO": false
  },
  "errorCode": "INVOKE-200",
  "error": "OK"
}

```

ESM_getRelatedProducts API

Fetches the related Products QLI from a quote for a particular product relationship.

URI

```
/services/apexrest/vLOCITY_cmt/v1/integrationprocedure/ESM_getRelatedProducts/
```

HTTP Method

POST

Request

```
{
  "cartId": "0Q0RN0000000kUt0AI",
  "productRelationshipRuleId": "a3RRN000000051r"
}
```

Response

```
{}
```

ESM_LinkProducts API

Saves QLI product relationship.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_LinkProducts/
```

HTTP Method

POST

Request

```
{
  "LineItemLinkage": {
    "0QLRN00000001DyI4AU": {
      "07c087bf-a89b-98e0-8d70-a70318f7462f": [
        {
          "id": "0QLRN00000001DyD4AU",
          "assetReferenceId": "afa9aa70-532b-84c9-7c9d-431d61134084"
        }
      ]
    }
  },
  "cartId": "0Q0RN0000000q9P0AQ"
}
```

Response

```
{
  "error": "OK",
  "errorCode": "INVOKE-200",
  "relationsDeleted": {},
  "relationsAdded": [
    {
      "vlocity_rud236__RelatedQuoteLineItemId__r": {
        "Product2": {
```

```

    "Id": "01tRN000000KVzrYAG",
    "Name": "iPhone 12",
    "attributes": {
      "url": "/services/data/v55.0/subjects/Product2/01tRN000000KVzrYAG",
      "type": "Product2"
    }
  },
  "Id": "0QLRN0000001DyD4AU",
  "Product2Id": "01tRN000000KVzrYAG",
  "attributes": {
    "url": "/services/data/v55.0/subjects/QuoteLineItem/0QLRN0000001DyD4AU",
    "type": "QuoteLineItem"
  }
},
"Id": "a3bRN0000000ClAYAU",
"vlocity_rud236__RelatedAssetReferenceId__c": "afa9aa70-532b-84c9-7c9d-431d61134084",
"vlocity_rud236__RelationshipType__c": "ReliesOn",
"vlocity_rud236__RelatedQuoteLineItemId__c": "0QLRN0000001DyD4AU",
"vlocity_rud236__QuoteLineItemId__c": "0QLRN0000001DyI4AU",
"vlocity_rud236__QuoteId__c": "0Q0RN0000000q9P0AQ",
"vlocity_rud236__ProductRelationshipIdentifier__c":
"07c087bf-a89b-98e0-8d70-a70318f7462f",
"Name": "a3bRN0000000ClA",
"attributes": {
  "url":
"/services/data/v55.0/subjects/vlocity_rud236__QuoteLineItemRelationship__c/a3bRN0000000ClAYAU",
  "type": "vlocity_rud236__QuoteLineItemRelationship__c"
}
}
]
}

```

ESM_UpdateQuoteLineItems API

Update a quote line item and its related child items with the given set of fields and values.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_UpdateQuoteLineItems/
```

HTTP Method

POST

Request

```

{
  "cartItemIds": "0QLB0000000cH3LOAU",
  "fieldValues": {
    "devopsimpkg19__ServiceIdentifier__c": "9876543210"
  }
}

```

```
{,
  "objectType": "QuoteLineItem"
}
```

Response

```
{
  "TotalRecordsProcessed": 6,
  "errorCode": "INVOKE-200",
  "error": "OK"
}
```

ESM_validateRecords API

Validate quote line items.

This API is used to check if any of the specified line items has a product for which the Location Depend option is selected. If this option is selected for a product in any of the selected line items, this API checks if a connection date is provided for those line items.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/ESM_validateRecords/
```

HTTP Method

POST

Request

```
{
  "recordIds": [
    "0QLB0000000cH3LOAU",
    "0QLB0000000cH3ROAU",
    "0QLB0000000cH3XOAU",
    "0QLB0000000cH3jOAE",
    "0QLB0000000cH3pOAE",
    "0QLB0000000cH3vOAE",
    "0QLB0000000cH4lOAE",
    "0QLB0000000cH4POAU",
    "0QLB0000000cH4VOAU",
    "0QLB0000000cH4bOAE",
    "0QLB0000000cH4hOAE"
  ],
  "objectType": "QuoteLineItem"
}
```

Response

```
{
  "response": {},
}
```

```

"ResponseActionStatus": true,
"ValidateRecordsByBatch": {
  "errorCode": "INVOKE-200",
  "error": "OK"
},
"ValidateRecordsByBatchStatus": true,
"ValidateRecordsStatus": false,
"options": {
  "useQueueableApexRemoting": false,
  "queueableChainable": false,
  "ignoreCache": true,
  "resetCache": false,
  "chainable": false
},
"objectType": "QuoteLineItem",
"recordIds": [
  "0QLB00000000cH3LOAU",
  "0QLB00000000cH3ROAU",
  "0QLB00000000cH3XOAU",
  "0QLB00000000cH3jOAE",
  "0QLB00000000cH3pOAE",
  "0QLB00000000cH3vOAE",
  "0QLB00000000cH41OAE",
  "0QLB00000000cH4POAU",
  "0QLB00000000cH4VOAU",
  "0QLB00000000cH4bOAE",
  "0QLB00000000cH4hOAE"
]
}

```

getAll_members API

Get all quote members for a given quote ID.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/getAll_members/
```

HTTP Method

POST

Request

```

{
  "SalesQuoteId": "0Q03h000000TuXGCA0"
}

```


Response

```
{
  "Members": [{
    "Id": "a5X5w000002KqC9EAK",
    "QuoteId__c": "0Q05w000001sayRCAQ",
    "Title__c": "VP",
    "Address1__c": "Suite 415",
    "Name": "Mary Sommer",
    "MemberType__c": "Location",
    "StreetAddress__c": "123 Main St",
    "State__c": "CA",
    "PostalCode__c": "94102",
    "MSISDN__c": "1234564567",
    "LastName__c": "Sommer",
    "FirstName__c": "Mary",
    "Email__c": "msommer@test.com",
    "Country__c": "USA",
    "City__c": "San Francisco"
  },
  {
    "UpsertSuccess": true,
    "Id": "a5X5w000002KqCAEA0",
    "QuoteId__c": "0Q05w000001sayRCAQ",
    "Title__c": "EVP",
    "Address1__c": "Suite 415",
    "Name": "Tom Hanks",
    "MemberType__c": "Subscriber",
    "StreetAddress__c": "1480 Santa Clara St",
    "State__c": "CA",
    "PostalCode__c": "95050",
    "MSISDN__c": "123456489",
    "LastName__c": "Hanks",
    "FirstName__c": "Tom",
    "Email__c": "thanks@test.com",
    "Country__c": "USA",
    "City__c": "Santa Clara"
  }
  ]
}
```

getAll_QuoteGroup API

Get all custom quote groups for a sales quote.

This API is used with the GetAllQGroupForSQ Vlocity Integration Procedure (VIP) to custom groups for a sales quote based on the SalesQuoteId parameter value.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/getAll_QuoteGroup/
```

HTTP Method

POST

Request

```
{
  "SalesQuoteId": "0Q03h000000TuXGCA0"
}
```

Response

```
{
  "QuoteGroups": [{
    "QuoteGroupId": "a455w000001vak5AAA",
    "GroupName": "ES"
  },
  {
    "QuoteGroupId": "a455w000001vakAAAQ",
    "GroupName": "PS"
  }
]
```

member_upload API

Upload a CSV file with new subscribers or locations.

This API is used with the UploadMembers Vlocity Integration Procedure (VIP) to upload a file with subscriber and location details to be inserted or updated.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/member_upload/
```

HTTP Method

POST

Sample Insert Request Body

```
{
  "QuoteId__c": "0Q05w000001sayRCAQ",
  "members": [{
    "StreetAddress__c": "123 Main St",
    "Address1__c": "Suite 415",
    "City__c": "San Francisco",
    "State__c": "CA",
    "PostalCode__c": "94102",
    "Country__c": "USA",
    "Title__c": "VP",
```

```

    "FirstName__c": "Mary",
    "LastName__c": "Sommer",
    "Email__c": "msommer@test.com",
    "MemberType__c": "Location",
    "MSISDN__c": "1234564567",
    "Id": ""
  },
  {
    "StreetAddress__c": "1480 SantaClara St",
    "Address1__c": "Suite 415",
    "City__c": "Santa Clara",
    "State__c": "CA",
    "PostalCode__c": "95050",
    "Country__c": "USA",
    "Title__c": "EVP",
    "FirstName__c": "Tom",
    "LastName__c": "Hanks",
    "Email__c": "thanks@test.com",
    "MemberType__c": "Location",
    "MSISDN__c": "123456489",
    "Id": ""
  }
]
}

```

Sample Update Request Body

```

{
  "QuoteId__c": "0Q05w000001sayRCAQ",
  "members": [{
    "StreetAddress__c": "123 Main St",
    "Address1__c": "Suite 415",
    "City__c": "San Francisco",
    "State__c": "CA",
    "PostalCode__c": "94102",
    "Country__c": "USA",
    "Title__c": "VP",
    "FirstName__c": "Mary",
    "LastName__c": "Sommer",
    "Email__c": "msommer@test.com",
    "MemberType__c": "Location",
    "MSISDN__c": "1234564567",
    "Id": "a5X5w000000KWkc"
  },
  {
    "StreetAddress__c": "1480 SantaClara St",
    "Address1__c": "Suite 415",
    "City__c": "Santa Clara",
    "State__c": "CA",
    "PostalCode__c": "95050",
    "Country__c": "USA",
    "Title__c": "EVP",
    "FirstName__c": "Tom",

```

```

    "LastName__c": "Hanks",
    "Email__c": "thanks@test.com",
    "MemberType__c": "Location",
    "MSISDN__c": "123456489",
    "Id": "a5X5w000000KWkc"
  }]
}

```

Response

```

{
  "Members": [{
    "UpsertSuccess": true,
    "Id": "a5X5w000002KqC9EAK",
    "QuoteId__c": "0Q05w000001sayRCAQ",
    "Title__c": "VP",
    "Address1__c": "Suite 415",
    "Name": "Mary Sommer",
    "MemberType__c": "Location",
    "StreetAddress__c": "123 Main St",
    "State__c": "CA",
    "PostalCode__c": "94102",
    "MSISDN__c": "1234564567",
    "LastName__c": "Sommer",
    "FirstName__c": "Mary",
    "Email__c": "msommer@test.com",
    "Country__c": "USA",
    "City__c": "San Francisco"
  },
  {
    "UpsertSuccess": true,
    "Id": "a5X5w000002KqCAEA0",
    "QuoteId__c": "0Q05w000001sayRCAQ",
    "Title__c": "EVP",
    "Address1__c": "Suite 415",
    "Name": "Tom Hanks",
    "MemberType__c": "Location",
    "StreetAddress__c": "1480 SantaClara St",
    "State__c": "CA",
    "PostalCode__c": "95050",
    "MSISDN__c": "123456489",
    "LastName__c": "Hanks",
    "FirstName__c": "Tom",
    "Email__c": "thanks@test.com",
    "Country__c": "USA",
    "City__c": "Santa Clara"
  }]
}

```

QMgetFields_WFieldLabel API

Get the field set with fields and labels for the quote members.

This API is used with the QuoteMemberGetFields Vlocity Integration Procedure (VIP) to get the quote member's fields and labels based on the FieldSetType parameter, which can have a value of Location or Subscriber.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/QMgetFields_WFieldLabel/
```

HTTP Method

POST

Request Body

```
{
  "FieldSetType": "Subscriber"
}
```

Response

```
{
  "QMFSFields": [{
    "label": "Title",
    "name": "Title__c"
  },
  {
    "label": "First Name",
    "name": "FirstName__c"
  },
  {
    "label": "Last Name",
    "name": "LastName__c"
  },
  {
    "label": "MSISDN",
    "name": "MSISDN__c"
  },
  {
    "label": "Email",
    "name": "Email__c"
  }
  ]
}
```

Remove_QuoteGroup API

Remove the quote group from the enterprise quote.

This API is used with the RemoveQuoteGroup Vlocity Integration Procedure (VIP) to remove the specified quote group from the enterprise quote.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/Remove_QuoteGroup/
```

HTTP Method

POST

Request Body

```
{
  "EnterpriseQuoteId": "0Q05w000001xko7",
  "QuoteGroupId": "a455w000001vak5"
}
```

Response

```
{
  "EnterpriseQuoteId": "0Q05w000001xko7"
}
```

removeQM_FromQuoteGroup API

Remove a quote member record from the quote group.

This API is used with the RemoveQMFromQuoteGroup Vlocity Integration Procedure (VIP) to remove the specified quote member from the quote group. This API does not delete the quote member from the system.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/removeQM_FromQuoteGroup/
```

HTTP Method

POST

Request Body

```
{
  "SalesQuoteId": "0Q05w000001xko7",
  "MemberIds": [{
    "Id": "a5X5w000000KWkc"
  },
  {
    "Id": "a5X5w000000KWkd"
  }
]
```

```
} ]  
}
```

Response

```
{  
  "SalesQuoteId": "0Q05w000001xko7"  
}
```

update_QGroupName API

Update the name of the quote group.

This API is used with the UpdateQuoteGroupName Vlocity Integration Procedure (VIP) to change the name of the quote group.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/update_QGroupName/
```

HTTP Method

POST

Request Body

```
{  
  "SalesQuoteId": "0Q03h000000Tu4q",  
  "QuoteGroupId": "Exec-East",  
  "NewGroupName": "Exec-East1"  
}
```

Response

```
{  
  "QuoteGroupId": "a5L3h0000004nDsEAI",  
  "GroupName": "Exec-East1"  
}
```

UpdateCloneModify_SalesQLIsWQPR API

Updates, clones, or modifies the quote line items for a given cart ID, group ID, quote member ID, or quote ID.

This API moves quote line items for editing from the working cart to the sales cart.

URI

```
/services/apexrest/vlocity_cmt/v1/integrationprocedure/UpdateCloneModify_SalesQLIsWQPR/
```

HTTP Method

POST

Request

```
{
  "GroupCartId": "0Q03g000000XiIaCAK",
  "GroupId": null,
  "MemberId": "a5X3g000000CjX0EAK",
  "SalesQuoteId": "0Q03g000000XiI6CAK",
  "itemIds": [{
    "Id": "0QL3g000000TbEXGA0"
  }]
}
```

Response

```
{}
```

Integration Procedures for Enterprise Sales Management

Every Enterprise Sales Management org includes a number of Integration Procedures that are used by Enterprise Sales Management.

For more information about the Integration Procedures, download [this PDF](#).



Note: Some components have been renamed to align with the naming conventions of Omnistudio Standard Runtime, to provide support for it. For more information, download [this PDF](#).

Note that for the ESM_checkServiceQualification and ESM_checkAddressValidation IPs, you must add the base URL of your TMF API endpoint to remote site settings, as follows:

1. In your Enterprise Sales Management org, go to Settings and click Setup.
2. In Quick Find, enter, and click Remote Site Settings.
3. Click New Remote Site.
4. Enter the Remote Site Name.
5. Enter the URL in the Remote Site URL. For example:

```
http://demo8317683.mockable.io/
```

6. Select the Active checkbox.
7. Click Save.

Lightning Web Components for Enterprise Sales Management

Enterprise Sales Management Lightning Web Components (LWCs) supplement Vlocity Lightning Web Components by incorporating calls to the Enterprise Sales Management SDK, which makes calls to Enterprise Sales Management APIs, Cart-Based APIs, Digital Commerce cacheable APIs, and Integration Procedures.

Velocity Lightning Web Components are industry-specific components and widgets built on Web Component standards that work with all modern browsers and can be distributed with any JavaScript library or framework. Web components allow you to create new custom, reusable, encapsulated HTML tags to use in your web pages or applications.

Component	Description
b2bAdjustPriceModal	Render a modal on the offer configuration page that is used to adjust and override one-time or recurring prices for a product.
b2bApplyDiscountModal	Render a modal on the offer configuration page that is used to display any available discounts for the product and will display any discounts that have already been applied.
b2bAttributeConfigOffer	Render options for making changes to the product attribute configuration.
B2BBaseComponent	A base class that is extended by other lightning web components B2BBaseComponent includes methods to load the Newport Design System (NDS) and to show a toast message.
b2bButton	Render a generic button for configuring actions and inputs. Examples: Add and Preview buttons in the cart summary, group and product buttons on the Location and Subscriber subtabs
B2BCartSummary	Render the cart summary, including name, price info and actions.
B2BCategoriesList	Render all product categories and child categories.
B2BCategoryItem	Render the specified product category item within the categories list. Examples: Devices or Ethernet
b2bConfigCard	Render each line item on the offer configuration page if the configuration of the product can be done in its line item.
b2bDataRowDetail	Render additional details (if any) for a row on the Locations or Subscriber subtabs
b2bDataTable	Render data uploaded for locations or subscribers, grouping, filters, search, sorting, and pagination.
b2bDataTableCell	Render editable cells in each row of the Location and Subscriber subtabs.
b2bDataTableCellList	Render a list of inline row cells for each record in the data table on the Locations and Subscribers subtabs and the quote summary.
b2bDataTableWrapper	A container for the file upload, data table, and map components
b2bFileUpload	Render file selector and field mapping options.

Component	Description
b2bHeader	Render a header on the offer selection and configuration pages with options for searching, sorting, selecting and assigning services to quote members, and so on.
B2BItemsGrid	A container for rendering product items and promotions from the selected price list in a grid
B2BItemsList	A container for rendering product items and promotions from the selected price list in a list
b2bMap	Render addresses of locations or subscribers in a Google Map view when a user selects the Show Map toggle.
b2bNavigationUtil	Stores and updates route data. A <code>data</code> variable holds the name of the navigational component, such as <code>configureOffer</code> or <code>memberUpload</code> .
b2bOfferAddons	Container for rendering child line items or virtual group items recursively
B2BOfferConfig	Retrieve the selected offer details and support offer configuration, such as applying adjustments.
B2BOfferSelection	Container for rendering product categories, products, and any promotions for the product.
B2BProductItem	Render the products based on the selected category.
b2bQuoteSummary	Render a summary of the entire quote, including quote line items per subscriber and location.
b2bSDKFactory	Stores user data and generic methods used by VIPs and Data Mappers.
b2bSampleApp	Conditionally render application components based on the current route.
b2bShowMore	Render product title on the offer selection page.
b2bStatusBar	Render the number of records when users add quote members to a group or add products to the selection.
b2bTotalBar	Render price totals, the selected number of locations or subscribers, and the add button to add quote members and navigate to the quote summary.
b2bUtils	Provides generic functions of Apex remote calls, Data Mappers, and VIPs.

See Also: [Vlocity Lightning Web Components](#)

Omniscripts for Enterprise Sales Management

Enterprise Sales Management uses Omniscripts to implement key business processes, such as to create a quote or generate a proposal document.

Omniscript	Description	Called By
b2bExpress/CreateQuote	This Omniscript is used to create a quote by choosing the account, opportunity, and price list.	Create Quote button in Account and Opportunity
b2bExpress/generateProposalDocument	This Omniscript is used to generate a proposal from a quote.	Custom button in Quote as well as in Enterprise Sales Management
b2bExpress/generateProposalDocumentLWC	This Omniscript is used to generate a proposal from a quote using LWC.	Custom button in Quote as well as in Enterprise Sales Management
ESM/QuoteEnrichForAll	This Omniscript is used to update the billing details, connect date, and phone number for all the selected line items in an enterprise quote.	Enrich Quote button on Enterprise Sales Management Summary page. This Omniscript is called when All is selected in Displaying on the Summary page.
ESM/QuoteEnrichForInstallation	This Omniscript is used to update the connect date for all the selected line items in an enterprise quote.	Enrich Quote button on Enterprise Sales Management Summary page. This Omniscript is called when Installation is selected in Displaying on the Summary page.
ESM/QuoteEnrichForNumberAssignment	This Omniscript is used to update the phone numbers for all the selected line items in an enterprise quote.	Enrich Quote button on Enterprise Sales Management Summary page. This Omniscript is called when Number Assignment is selected in Displaying on the Summary page.
ESM/QuoteEnrichForPayment	This Omniscript is used to update the billing account associated with all the selected line items in an enterprise quote.	Enrich Quote button on Enterprise Sales Management Summary page. This Omniscript is called when Payment is selected in Displaying on the Summary page.

SDK for Enterprise Sales Management

The Enterprise Sales Management Software Development Toolkit (SDK) is a JavaScript library that abstracts and simplifies the use of Enterprise Sales Management, Cart-Based, and Digital Commerce APIs.

The SDK improves usability and reduces the effort to develop compelling user interfaces by hiding complex API semantics inside the SDK interface. In some cases, the SDK invokes more than one API call (as required by some APIs) to complete a request. The SDK ensures that errors are detected before API calls are made so that data structure rules are followed. The SDK consolidates common application and business front-end logic that is used by Enterprise Sales Management Lightning Web Components.

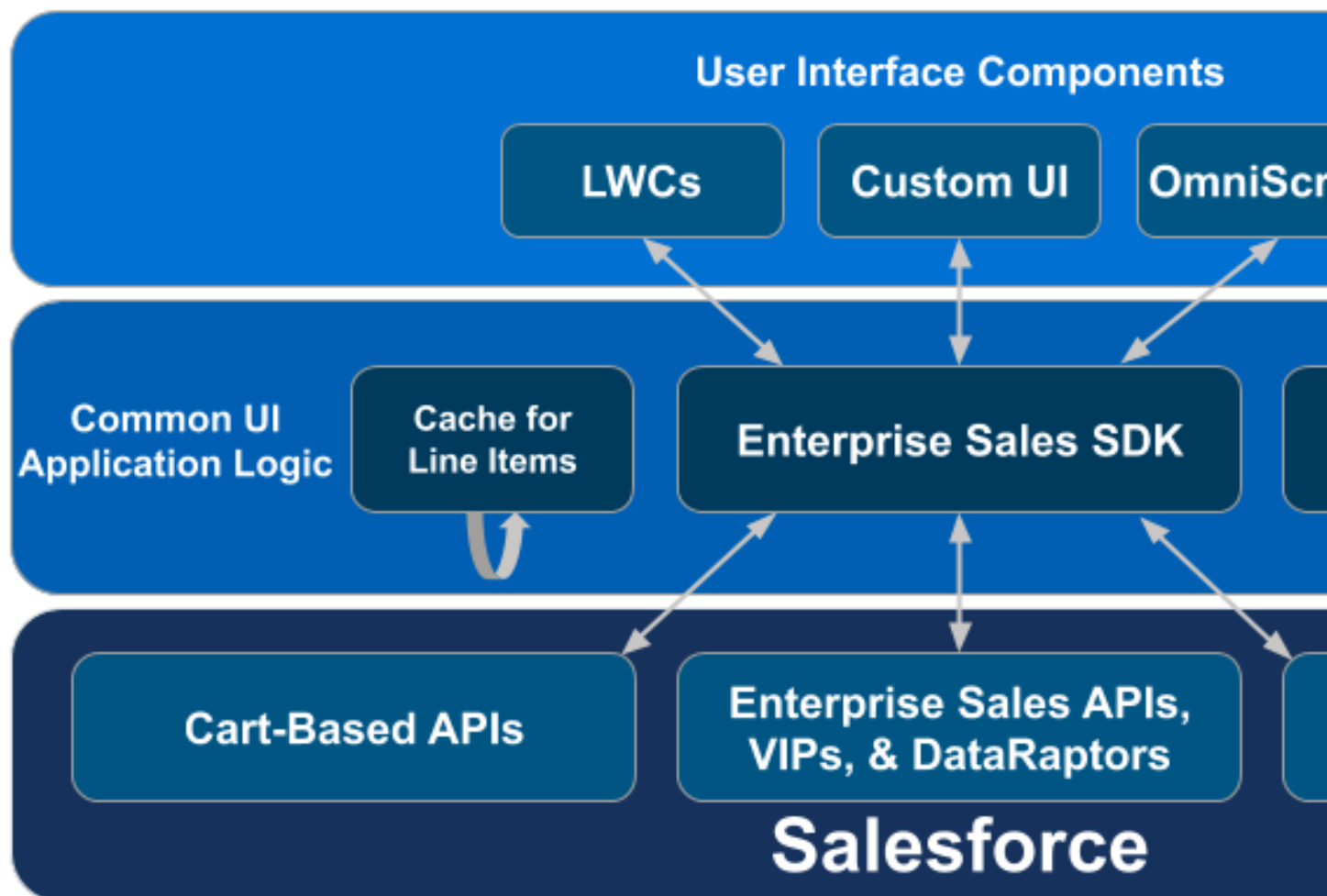
 **Tip:** Salesforce recommends that you do not call the Enterprise Sales Management APIs directly and instead use the Enterprise Sales Management SDK. Enterprise Sales Management API documentation is available for your reference so that you can understand the data that is included in various calls.

The SDK supports Node.js module delivery. Each module has its own context, cannot interfere with other modules, or interfere with global scope.

Enterprise Sales Management UI Components

The UI Components diagram shows the relationship of the SDK to the UI components, APIs, and Integration Procedures.

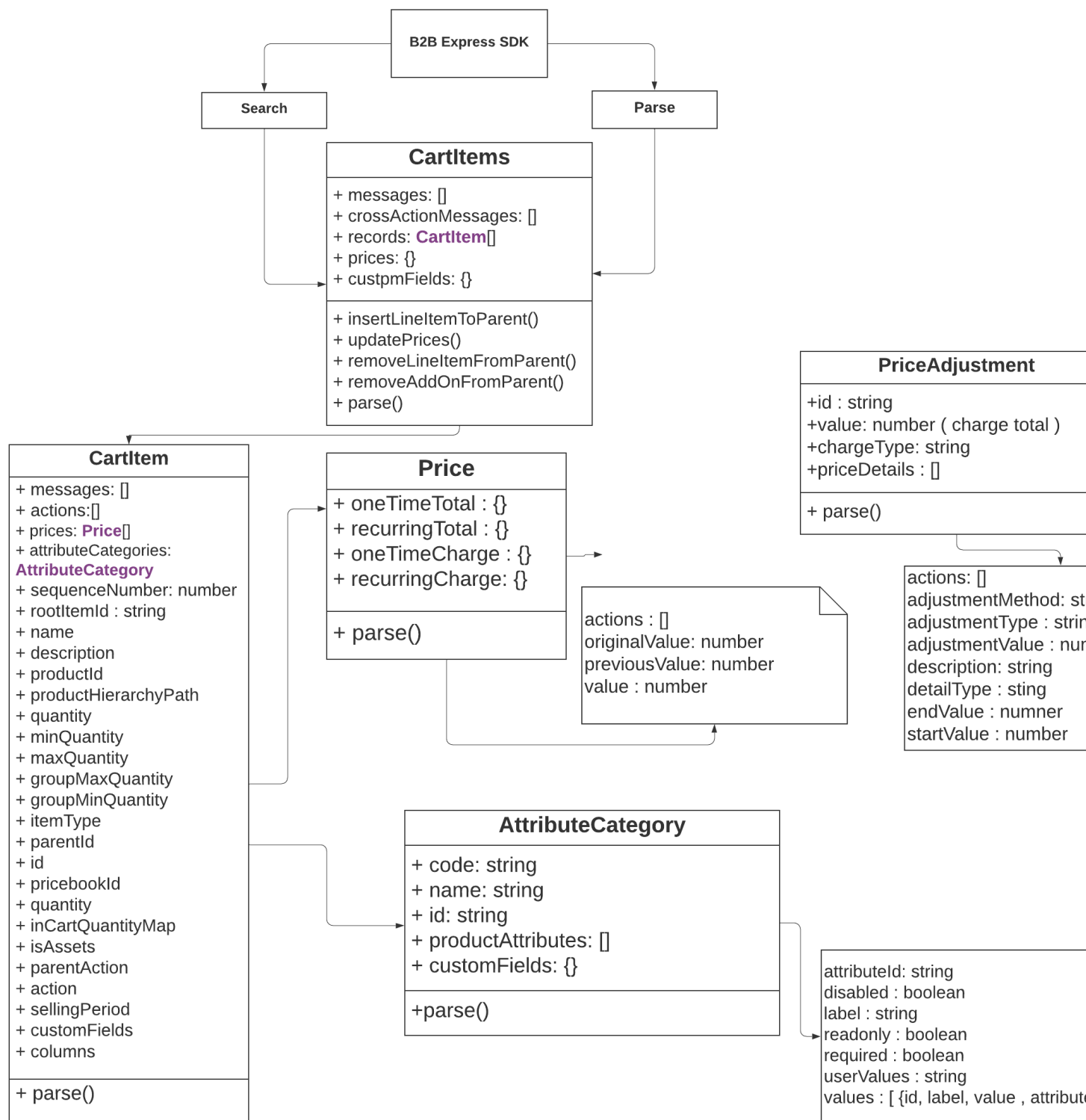
UI Components



ViewObject Model

The ViewObject model translates the JSON response from APIs for use with Enterprise Sales Management Lightning Web Components. It describes how the SDK will retrieve data from the API, translate it, and then update data for viewing in the UI. It helps to render the UI by using variables that represent ViewObjects for use in HTML templates.

Enterprise Sales Management ViewObject Model



Related Information

- [Class B2BExpress](#)