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Sage Evolution Freedom Web Service API Guidelines

Introduction

The Sage Evolution Freedom extension service API is a set of public functions and procedures that allow developers to have access to the Sage Evolution system. The Freedom extension service API is a set of generic Accounting functions that is designed to cater for a wide-ranging of functions. Not all the functions, information and fields are related to Sage Evolution or required by the developer.

The Sage Evolution Freedom extension service API is a REST API. A RESTful API is an application program interface (API) that uses HTTP requests to GET, and POST data. Representational state transfer (REST), which is used by browsers, can be thought of as the language of the Internet. The Sage Evolution Freedom Service must be installed on the computer where the API is consumed. The installation will register the site (HTTP) and port for the interface (service).

Authentication

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The site uses basic access authentication. HTTP Basic authentication (BA) is a method for a HTTP user agent to provide a user name and password when making a request. HTTP Basic authentication uses standard fields in the HTTP header.

For the Sage Evolution Freedom extension service API, the user name is the actual Sage Evolution Agent Name and the password is the Agent Password stored within the Sage Evolution company database.

Customers

Customer Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerFind{CODE}
Path Parameters	CODE: Customer code [Required]
Methods Supported	GET
Description	Returns an instance of an existing customer

The following elements are returned in the CustomerFind response

Field	Type	Description
ID	Integer	The customer's unique identifier
Code	String	The customer's code
Description	String	The customer's description
Active	Boolean	Is the customer account active?
AccountBalance	Double	The customer's current account balance
ForeignAccountBalance	Double	The customer's foreign account balance
ChargeTax	Boolean	Should the customer be charged tax?
Currency	Object	The customer's currency. Null value indicates home currency
CurrencyID	Integer	The currency identifier
IsForeignCurrencyAccount	Boolean	Is the customer a foreign currency account?
Title	String	The customer's title
IDNumber	String	The customer's identification number
Initials	String	The customer's initials

Field	Type	Description
ContactPerson	String	The customer's specific contact person
IsOnHold	Boolean	Is the customer account currently on hold?
TaxNumber	String	The customer's tax number
DefaultSettlementTerm	Object	The customer's default settlement term
CustomerGroup	Object	The group the customer belongs to
PhysicalAddress	Object	The customer's physical address
PostalAddress	Object	The customer's postal address
DeliverTo	String	The person whom should be delivered to
Telephone	String	Telephone number 1
Telephone2	String	Telephone number 2
Fax1	String	Fax number 1
Fax2	String	Fax number 2
AccountTerms	Integer	The accounting term's unique identifier
DefaultTaxRate	Object	The customer's default tax type
Registration	String	The customer's registration number
CreditLimit	Double	The maximum credit amount allowed for the customer
InterestRate	Double	The customer's current interest rate charge
EmailAddress	String	The customer's email address
BankID	Integer	The customer's bank unique identifier
BankBranchCode	String	The customer's bank branch code
BankAccountNo	String	The customer's bank account number
AutomaticDiscount	Double	The customer's automatic discount
CheckTerms	Boolean	Should the system validate for the customer's terms?
UseEmail	Boolean	Should email functionality be enabled for the customer?
AccountDescription	String	The full customer account description
Webpage	String	The customer's web address
AreasID	Integer	The customer's area unique identifier
BankReferenceNo	String	The customer's bank reference number
PrintRemittance	Boolean	Print the customer's remittance advice?
EmailRemittance	Boolean	Email the customer's remittance advice?
StatementZipPassword	String	Encrypted password to unzip the statement

Customer Exists

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerExists{CODE}
Path Parameters	CODE: Customer code [Required]
Methods Supported	GET
Description	Returns true or false. Depending on whether the customer exists or not.

The following elements are returned in the CustomerExists response

Field	Type	Description
Return type	Boolean	Specifies whether the customer exists within the database.

Customer List

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all customers present within the system.

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The following elements are returned in the CustomerList response

Field	Type	Description
ID	Integer	The customer's unique identifier
Code	String	The customer's code
Description	String	The customer's description
Active	Boolean	Is the customer account active?
AccountBalance	Double	The customer's current account balance
ForeignAccountBalance	Double	The customer's foreign account balance
ChargeTax	Boolean	Should the customer be charged tax?
Currency	Object	The customer's currency. Null value indicates home currency
CurrencyID	Integer	The currency identifier
IsForeignCurrencyAccount	Boolean	Is the customer a foreign currency account?
Title	String	The customer's title
IDNumber	String	The customer's identification number
Initials	String	The customer's initials
ContactPerson	String	The customer's specific contact person
IsOnHold	Boolean	Is the customer account currently on hold?
TaxNumber	String	The customer's tax number
DefaultSettlementTerm	Object	The customer's default settlement term
CustomerGroup	Object	The group the customer belongs to
PhysicalAddress	Object	The customer's physical address
PostalAddress	Object	The customer's postal address
DeliverTo	String	The person whom should be delivered to
Telephone	String	Telephone number 1
Telephone2	String	Telephone number 2
Fax1	String	Fax number 1
Fax2	String	Fax number 2
AccountTerms	Integer	The accounting term's unique identifier
DefaultTaxRate	Object	The customer's default tax type
Registration	String	The customer's registration number
CreditLimit	Double	The maximum credit amount allowed for the customer
InterestRate	Double	The customer's current interest rate charge
EmailAddress	String	The customer's email address
BankID	Integer	The customer's bank unique identifier
BankBranchCode	String	The customer's bank branch code
BankAccountNo	String	The customer's bank account number
AutomaticDiscount	Double	The customer's automatic discount
CheckTerms	Boolean	Should the system validate for the customer's terms?
UseEmail	Boolean	Should email functionality be enabled for the customer?
AccountDescription	String	The full customer account description
Webpage	String	The customer's web address
AreasID	Integer	The customer's area unique identifier
BankReferenceNo	String	The customer's bank reference number
PrintRemittance	Boolean	Print the customer's remittance advice?
EmailRemittance	Boolean	Email the customer's remittance advice?
StatementZipPassword	String	Encrypted password to unzip the statement

Customer Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerInsert{CUSTOMER}
Path Parameters	CUSTOMER: Instance of a customer object
Methods Supported	POST
Description	Create a new customer

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The following elements are required or optional with regards to creating a new customer.

Field	Type	Description	Required
Code	String	The customer's code	✔
Description	String	The customer's description	✔
Active	Boolean	Is the customer account active?	✘
AccountBalance	Double	The customer's current account balance	✘
ForeignAccountBalance	Double	The customer's foreign account balance	✘
ChargeTax	Boolean	Should the customer be charged tax?	✘
Currency	Object	The customer's currency.	✘
CurrencyID	Integer	The currency identifier	✘
IsForeignCurrencyAccount	Boolean	Is the customer a foreign currency account?	✘
Title	String	The customer's title	✘
IDNumber	String	The customer's identification number	✘
Initials	String	The customer's initials	✘
ContactPerson	String	The customer's specific contact person	✘
IsOnHold	Boolean	Is the customer account currently on hold?	✘
TaxNumber	String	The customer's tax number	✘
DefaultSettlementTerm	Object	The customer's default settlement term	✘
CustomerGroup	Object	The group the customer belongs to	✘
PhysicalAddress	Object	The customer's physical address	✘
PostalAddress	Object	The customer's postal address	✘
DeliverTo	String	The person whom should be delivered to	✘
Telephone	String	Telephone number 1	✘
Telephone2	String	Telephone number 2	✘
Fax1	String	Fax number 1	✘
Fax2	String	Fax number 2	✘
AccountTerms	Integer	The accounting term's unique identifier	✘
DefaultTaxRate	Object	The customer's default tax type	✘
Registration	String	The customer's registration number	✘
CreditLimit	Double	The maximum credit amount allowed for the customer	✘
InterestRate	Double	The customer's current interest rate charge	✘
EmailAddress	String	The customer's email address	✘
BankID	Integer	The customer's bank unique identifier	✘
BankBranchCode	String	The customer's bank branch code	✘
BankAccountNo	String	The customer's bank account number	✘
AutomaticDiscount	Double	The customer's automatic discount	✘
CheckTerms	Boolean	Should the system validate for the customer's terms?	✘
UseEmail	Boolean	Should email functionality be enabled for the customer?	✘
AccountDescription	String	The full customer account description	✘
Webpage	String	The customer's web address	✘
AreasID	Integer	The customer's area unique identifier	✘
BankReferenceNo	String	The customer's bank reference number	✘
PrintRemittance	Boolean	Print the customer's remittance advice?	✘
EmailRemittance	Boolean	Email the customer's remittance advice?	✘
StatementZipPassword	String	Encrypted password to unzip the statement	✘

Customer Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerUpdate{CUSTOMER}
Path Parameters	CUSTOMER: Instance of a customer object
Methods Supported	POST
Description	Update an existing customer

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The following elements are required or optional with regards to updating an existing customer.

Field	Type	Description	Required
Code	String	The customer's code	✔
Description	String	The customer's description	✘
Active	Boolean	Is the customer account active?	✘
AccountBalance	Double	The customer's current account balance	✘
ForeignAccountBalance	Double	The customer's foreign account balance	✘
ChargeTax	Boolean	Should the customer be charged tax?	✘
Currency	Object	The customer's currency.	✘
CurrencyID	Integer	The currency identifier	✘
IsForeignCurrencyAccount	Boolean	Is the customer a foreign currency account?	✘
Title	String	The customer's title	✘
IDNumber	String	The customer's identification number	✘
Initials	String	The customer's initials	✘
ContactPerson	String	The customer's specific contact person	✘
IsOnHold	Boolean	Is the customer account currently on hold?	✘
TaxNumber	String	The customer's tax number	✘
DefaultSettlementTerm	Object	The customer's default settlement term	✘
CustomerGroup	Object	The group the customer belongs to	✘
PhysicalAddress	Object	The customer's physical address	✘
PostalAddress	Object	The customer's postal address	✘
DeliverTo	String	The person whom should be delivered to	✘
Telephone	String	Telephone number 1	✘
Telephone2	String	Telephone number 2	✘
Fax1	String	Fax number 1	✘
Fax2	String	Fax number 2	✘
AccountTerms	Integer	The accounting term's unique identifier	✘
DefaultTaxRate	Object	The customer's default tax type	✘
Registration	String	The customer's registration number	✘
CreditLimit	Double	The maximum credit amount allowed for the customer	✘
InterestRate	Double	The customer's current interest rate charge	✘
EmailAddress	String	The customer's email address	✘
BankID	Integer	The customer's bank unique identifier	✘
BankBranchCode	String	The customer's bank branch code	✘
BankAccountNo	String	The customer's bank account number	✘
AutomaticDiscount	Double	The customer's automatic discount	✘
CheckTerms	Boolean	Should the system validate for the customer's terms?	✘
UseEmail	Boolean	Should email functionality be enabled for the customer?	✘
AccountDescription	String	The full customer account description	✘
Webpage	String	The customer's web address	✘
AreasID	Integer	The customer's area unique identifier	✘
BankReferenceNo	String	The customer's bank reference number	✘
PrintRemittance	Boolean	Print the customer's remittance advice?	✘
EmailRemittance	Boolean	Email the customer's remittance advice?	✘
StatementZipPassword	String	Encrypted password to unzip the statement	✘

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Suppliers

Supplier Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierFind{CODE}
Path Parameters	CODE: Supplier code [Required]
Methods Supported	GET
Description	Returns an instance of an existing supplier

The following elements are returned in the SupplierFind response

Field	Type	Description
ID	Integer	The supplier's unique identifier
Code	String	The supplier's code
Description	String	The supplier's description
Active	Boolean	Is the supplier account active?
AccountBalance	Double	The supplier's current account balance
ForeignAccountBalance	Double	The supplier's foreign account balance
ChargeTax	Boolean	Should the supplier be charged tax?
Currency	Object	The supplier's currency. Null value indicates home currency
CurrencyID	Integer	The currency identifier
IsForeignCurrencyAccount	Boolean	Is the supplier a foreign currency account?
Title	String	The supplier's title
IDNumber	String	The supplier's identification number
Initials	String	The supplier's initials
ContactPerson	String	The supplier's specific contact person
IsOnHold	Boolean	Is the supplier account currently on hold?
TaxNumber	String	The supplier's tax number
DefaultSettlementTerm	Object	The supplier's default settlement term
SupplierGroup	Object	The group the supplier belongs to
PhysicalAddress	Object	The supplier's physical address
PostalAddress	Object	The supplier's postal address
DeliverTo	String	The person whom should be delivered to
Telephone	String	Telephone number 1
Telephone2	String	Telephone number 2
Fax1	String	Fax number 1
Fax2	String	Fax number 2
AccountTerms	Integer	The accounting term's unique identifier
DefaultTaxRate	Object	The supplier's default tax type
Registration	String	The supplier's registration number
CreditLimit	Double	The maximum credit amount allowed for the supplier
InterestRate	Double	The supplier's current interest rate charge
SettlementDiscountPercent	Double	The supplier's settlement discount percentage
BalanceBroughtForward	Integer	Specifies whether the supplier is balance brought forward or open item
EmailAddress	String	The supplier's email address
BankID	Integer	The supplier's bank unique identifier
BankBranchCode	String	The supplier's bank branch code
BankAccountNo	String	The supplier's bank account number
AutomaticDiscount	Double	The supplier's automatic discount
CheckTerms	Boolean	Should the system validate for the supplier's terms?
UseEmail	Boolean	Should email functionality be enabled for the supplier?
AccountDescription	String	The full supplier account description
Webpage	String	The supplier's web address
AreasID	Integer	The supplier's area unique identifier
BankReferenceNo	String	The supplier's bank reference number
PrintRemittance	Boolean	Print the supplier's remittance advice?

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Field	Type	Description
EmailRemittance	Boolean	Email the supplier's remittance advice?
StatementZipPassword	String	Encrypted password to unzip the statement

Supplier Exists

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierExists{CODE}
Path Parameters	CODE: Supplier code [Required]
Methods Supported	GET
Description	Returns true or false. Depending on whether the supplier exists or not.

The following elements are returned in the SupplierExists response

Field	Type	Description
Return type	Boolean	Specifies whether the supplier exists within the database.

Supplier List

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all suppliers' present within the system.

The following elements are returned in the SupplierList response

Field	Type	Description
ID	Integer	The supplier's unique identifier
Code	String	The supplier's code
Description	String	The supplier's description
Active	Boolean	Is the supplier account active?
AccountBalance	Double	The supplier's current account balance
ForeignAccountBalance	Double	The supplier's foreign account balance
ChargeTax	Boolean	Should the supplier be charged tax?
Currency	Object	The supplier's currency. Null value indicates home currency
CurrencyID	Integer	The currency identifier
IsForeignCurrencyAccount	Boolean	Is the supplier a foreign currency account?
Title	String	The supplier's title
IDNumber	String	The supplier's identification number
Initials	String	The supplier's initials
ContactPerson	String	The supplier's specific contact person
IsOnHold	Boolean	Is the supplier account currently on hold?
TaxNumber	String	The supplier's tax number
DefaultSettlementTerm	Object	The supplier's default settlement term
SupplierGroup	Object	The group the supplier belongs to
PhysicalAddress	Object	The supplier's physical address
PostalAddress	Object	The supplier's postal address
DeliverTo	String	The person whom should be delivered to
Telephone	String	Telephone number 1
Telephone2	String	Telephone number 2
Fax1	String	Fax number 1
Fax2	String	Fax number 2
AccountTerms	Integer	The accounting term's unique identifier
DefaultTaxRate	Object	The supplier's default tax type

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Field	Type	Description
Registration	String	The supplier's registration number
CreditLimit	Double	The maximum credit amount allowed for the supplier
InterestRate	Double	The supplier's current interest rate charge
SettlementDiscountPercent	Double	The supplier's settlement discount percentage
BalanceBroughtForward	Integer	Specifies whether the supplier is balance brought forward or open item
EmailAddress	String	The supplier's email address
BankID	Integer	The supplier's bank unique identifier
BankBranchCode	String	The supplier's bank branch code
BankAccountNo	String	The supplier's bank account number
AutomaticDiscount	Double	The supplier's automatic discount
CheckTerms	Boolean	Should the system validate for the supplier's terms?
UseEmail	Boolean	Should email functionality be enabled for the supplier?
AccountDescription	String	The full supplier account description
Webpage	String	The supplier's web address
AreasID	Integer	The supplier's area unique identifier
BankReferenceNo	String	The supplier's bank reference number
PrintRemittance	Boolean	Print the supplier's remittance advice?
EmailRemittance	Boolean	Email the supplier's remittance advice?
StatementZipPassword	String	Encrypted password to unzip the statement

Supplier Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierInsert{SUPPLIER}
Path Parameters	SUPPLIER: Instance of a supplier object
Methods Supported	POST
Description	Create a new supplier

The following elements are required or optional with regards to creating a new supplier.

Field	Type	Description	Required
Code	String	The supplier's code	✔
Description	String	The supplier's description	✔
Active	Boolean	Is the supplier account active?	✘
AccountBalance	Double	The supplier's current account balance	✘
ForeignAccountBalance	Double	The supplier's foreign account balance	✘
ChargeTax	Boolean	Should the supplier be charged tax?	✘
Currency	Object	The supplier's currency.	✘
CurrencyID	Integer	The currency identifier	✘
IsForeignCurrencyAccount	Boolean	Is the supplier a foreign currency account?	✘
Title	String	The supplier's title	✘
IDNumber	String	The supplier's identification number	✘
Initials	String	The supplier's initials	✘
ContactPerson	String	The supplier's specific contact person	✘
IsOnHold	Boolean	Is the supplier account currently on hold?	✘
TaxNumber	String	The supplier's tax number	✘
DefaultSettlementTerm	Object	The supplier's default settlement term	✘
CustomerGroup	Object	The group the supplier belongs to	✘
PhysicalAddress	Object	The supplier's physical address	✘
PostalAddress	Object	The supplier's postal address	✘
DeliverTo	String	The person whom should be delivered to	✘
Telephone	String	Telephone number 1	✘
Telephone2	String	Telephone number 2	✘
Fax1	String	Fax number 1	✘
Fax2	String	Fax number 2	✘

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Field	Type	Description	Required
AccountTerms	Integer	The accounting term's unique identifier	✘
DefaultTaxRate	Object	The supplier's default tax type	✘
Registration	String	The supplier's registration number	✘
CreditLimit	Double	The maximum credit amount allowed for the supplier	✘
InterestRate	Double	The supplier's current interest rate charge	✘
SettlementDiscountPercent	Double	The supplier's settlement discount percentage	✘
BalanceBroughtForward	Integer	Is balance brought forward or open item	✘
BankID	Integer	The supplier's bank unique identifier	✘
BankBranchCode	String	The supplier's bank branch code	✘
BankAccountNo	String	The supplier's bank account number	✘
AutomaticDiscount	Double	The supplier's automatic discount	✘
CheckTerms	Boolean	Should the system validate for the supplier's terms?	✘
UseEmail	Boolean	Should email functionality be enabled for the supplier?	✘
AccountDescription	String	The full supplier account description	✘
Webpage	String	The supplier's web address	✘
AreasID	Integer	The supplier's area unique identifier	✘
BankReferenceNo	String	The supplier's bank reference number	✘
PrintRemittance	Boolean	Print the supplier's remittance advice?	✘
EmailRemittance	Boolean	Email the supplier's remittance advice?	✘
StatementZipPassword	String	Encrypted password to unzip the statement	✘

Supplier Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierUpdate{SUPPLIER}
Path Parameters	SUPPLIER: Instance of a supplier object
Methods Supported	POST
Description	Update an existing supplier

The following elements are required or optional with regards to updating an existing customer.

Field	Type	Description	Required
Code	String	The customer's code	✔
Description	String	The customer's description	✘
Active	Boolean	Is the supplier account active?	✘
AccountBalance	Double	The supplier's current account balance	✘
ForeignAccountBalance	Double	The supplier's foreign account balance	✘
ChargeTax	Boolean	Should the supplier be charged tax?	✘
Currency	Object	The supplier's currency.	✘
CurrencyID	Integer	The currency identifier	✘
IsForeignCurrencyAccount	Boolean	Is the supplier a foreign currency account?	✘
Title	String	The supplier's title	✘
IDNumber	String	The supplier's identification number	✘
Initials	String	The supplier's initials	✘
ContactPerson	String	The supplier's specific contact person	✘
IsOnHold	Boolean	Is the supplier account currently on hold?	✘
TaxNumber	String	The supplier's tax number	✘
DefaultSettlementTerm	Object	The supplier's default settlement term	✘
CustomerGroup	Object	The group the supplier belongs to	✘
PhysicalAddress	Object	The supplier's physical address	✘
PostalAddress	Object	The supplier's postal address	✘
DeliverTo	String	The person whom should be delivered to	✘
Telephone	String	Telephone number 1	✘
Telephone2	String	Telephone number 2	✘

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Field	Type	Description	Required
Fax1	String	Fax number 1	✘
Fax2	String	Fax number 2	✘
AccountTerms	Integer	The accounting term's unique identifier	✘
DefaultTaxRate	Object	The supplier's default tax type	✘
Registration	String	The supplier's registration number	✘
CreditLimit	Double	The maximum credit amount allowed for the supplier	✘
InterestRate	Double	The supplier's current interest rate charge	✘
SettlementDiscountPercent	Double	The supplier's settlement discount percentage	✘
BalanceBroughtForward	Integer	Is balance brought forward or open item	✘
BankID	Integer	The supplier's bank unique identifier	✘
BankBranchCode	String	The supplier's bank branch code	✘
BankAccountNo	String	The supplier's bank account number	✘
AutomaticDiscount	Double	The supplier's automatic discount	✘
CheckTerms	Boolean	Should the system validate for the supplier's terms?	✘
UseEmail	Boolean	Should email functionality be enabled for the supplier?	✘
AccountDescription	String	The full supplier account description	✘
Webpage	String	The supplier's web address	✘
AreasID	Integer	The supplier's area unique identifier	✘
BankReferenceNo	String	The supplier's bank reference number	✘
PrintRemittance	Boolean	Print the supplier's remittance advice?	✘
EmailRemittance	Boolean	Email the supplier's remittance advice?	✘
StatementZipPassword	String	Encrypted password to unzip the statement	✘

Inventory Items

Inventory Item Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/InventoryItemFind{CODE}
Path Parameters	CODE: Inventory item code [Required]
Methods Supported	GET
Description	Returns an instance of an existing inventory item

The following elements are returned in the InventoryItemFind response

Field	Type	Description
ID	Integer	The inventory item's unique identifier
Code	String	The inventory item's code
Description	String	The inventory item's description
Description_2	String	The inventory item's second description
Description_3	String	The inventory item's third description
Active	Boolean	Is the inventory item active or in-active?
IsWarehouseTracked	Boolean	Is the inventory item a warehouse type item?
IsServiceItem	Boolean	Is the inventory item a service item?
IsAttribute	Boolean	Is the inventory item an attribute item?
LastGrvCost	Double	The item's last goods received voucher cost value
IsCommisionable	Boolean	Should commission be calculated for the inventory item?
QtyOnHand	Double	The inventory item's current quantity on hand
QtyOnSalesOrder	Double	The inventory item's current quantity on sales order
QtyOnPurchaseOrder	Double	The inventory item's current quantity on purchase order
QtyReserved	Double	The inventory item's current quantity reserved
QtyFree	Double	The inventory item's current quantity available
QtyWip	Double	The inventory item's current quantity work in progress
IsLotTracked	Boolean	Is the inventory item a lot tracking item?

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Field	Type	Description
IsSerialTracked	Boolean	Is the inventory item a serial number item?
AllowDuplicateSerialNumber	Boolean	Is the inventory item allowing for duplicate serial numbers?
IsStrictSerialTracked	Boolean	Is the inventory item allowing for strict serial number tracking?
CostingMethod	Object	The type of costing method used for the inventory item
AverageUnitCost	Double	The inventory item's average unit cost value
LatestUnitCost	Double	The inventory item's latest unit cost value
StandardUnitCost	Double	The inventory item's manual unit cost value
LowestUnitCost	Double	The inventory item's lowest unit cost value
HighestUnitCost	Double	The inventory item's highest unit cost value
Group	Object	The inventory item group linked to the inventory item
DefaultInvoicingTaxType	Object	The inventory item's default tax type when processing an invoice
DefaultCreditNoteTaxType	Object	The inventory item's default tax type when processing a credit note
DefaultGoodsReceivedTaxType	Object	The inventory item's default tax type when processing a Grv
DefaultReturnToSupplierTaxType	Object	The inventory item's default tax type when processing a Rts
StockingUnit	Object	The inventory item's stocking unit
StockingUnitID	Integer	The inventory item's stocking unit unique identifier
DefaultSellingUnit	Object	The inventory item's default selling unit
DefaultSellingUnitID	Integer	The inventory item's default selling unit unique identifier
DefaultPurchaseUnit	Object	The inventory item's default purchasing unit
DefaultPurchaseUnitID	Integer	The inventory item's default purchasing unit unique identifier
IsUnitOfMeasure	Boolean	Is the inventory item a unit of measure item?
LotsExpire	Boolean	Does the lot item expire?
InitialLotStatusID	Integer	Initial lot status ID

Inventory Item List

Overview

URL	/Freedom.Core/Freedom Database/SDK/InventoryItemList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all inventory items' present within the system.

The following elements are returned in the InventoryList response

Field	Type	Description
ID	Integer	The inventory item's unique identifier
Code	String	The inventory item's code
Description	String	The inventory item's description
Description_2	String	The inventory item's second description
Description_3	String	The inventory item's third description
Active	Boolean	Is the inventory item active or in-active?
IsWarehouseTracked	Boolean	Is the inventory item a warehouse type item?
IsServiceItem	Boolean	Is the inventory item a service item?
IsAttribute	Boolean	Is the inventory item an attribute item?
LastGrvCost	Double	The item's last goods received voucher cost value
IsCommisionable	Boolean	Should commission be calculated for the inventory item?
QtyOnHand	Double	The inventory item's current quantity on hand
QtyOnSalesOrder	Double	The inventory item's current quantity on sales order
QtyOnPurchaseOrder	Double	The inventory item's current quantity on purchase order
QtyReserved	Double	The inventory item's current quantity reserved
QtyFree	Double	The inventory item's current quantity available
QtyWip	Double	The inventory item's current quantity work in progress
IsLotTracked	Boolean	Is the inventory item a lot tracking item?
IsSerialTracked	Boolean	Is the inventory item a serial number item?
AllowDuplicateSerialNumber	Boolean	Is the inventory item allowing for duplicate serial numbers?
IsStrictSerialTracked	Boolean	Is the inventory item allowing for strict serial number tracking?

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Field	Type	Description
CostingMethod	Object	The type of costing method used for the inventory item
AverageUnitCost	Double	The inventory item's average unit cost value
LatestUnitCost	Double	The inventory item's latest unit cost value
StandardUnitCost	Double	The inventory item's manual unit cost value
LowestUnitCost	Double	The inventory item's lowest unit cost value
HighestUnitCost	Double	The inventory item's highest unit cost value
Group	Object	The inventory item group linked to the inventory item
DefaultInvoicingTaxType	Object	The inventory item's default tax type when processing an invoice
DefaultCreditNoteTaxType	Object	The inventory item's default tax type when processing a credit note
DefaultGoodsReceivedTaxType	Object	The inventory item's default tax type when processing a Grv
DefaultReturnToSupplierTaxType	Object	The inventory item's default tax type when processing a Rts
StockingUnit	Object	The inventory item's stocking unit
StockingUnitID	Integer	The inventory item's stocking unit unique identifier
DefaultSellingUnit	Object	The inventory item's default selling unit
DefaultSellingUnitID	Integer	The inventory item's default selling unit unique identifier
DefaultPurchaseUnit	Object	The inventory item's default purchasing unit
DefaultPurchaseUnitID	Integer	The inventory item's default purchasing unit unique identifier
IsUnitOfMeasure	Boolean	Is the inventory item a unit of measure item?
LotsExpire	Boolean	Does the lot item expire?
InitialLotStatusID	Integer	Initial lot status ID

Inventory Item Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/InventoryItemInsert{ITEM}
Path Parameters	ITEM: Instance of an inventory item object
Methods Supported	POST
Description	Create a new inventory item

The following elements are required or optional with regards to creating a new inventory item.

Field	Type	Description	Required
Code	String	The inventory item's code	✔
Description	String	The inventory item's description	✘
Description_2	String	The inventory item's second description	✘
Description_3	String	The inventory item's third description	✘
Active	Boolean	Is the inventory item active or in-active?	✘
IsWarehouseTracked	Boolean	Is the inventory item a warehouse type item?	✘
IsServiceItem	Boolean	Is the inventory item a service item?	✘
IsCommisionable	Boolean	Should commission be calculated for the inventory item?	✘
IsLotTracked	Boolean	Is the inventory item a lot tracking item?	✘
IsSerialTracked	Boolean	Is the inventory item a serial number item?	✘
AllowDuplicateSerialNumber	Boolean	Is the inventory item allowing for duplicate serial numbers?	✘
IsStrictSerialTracked	Boolean	Is the inventory item allowing for strict serial number tracking?	✘
CostingMethod	Object	The type of costing method used for the inventory item	✘
Group	Object	The inventory item group linked to the inventory item	✘
DefaultInvoicingTaxType	Object	The inventory item's default tax type when processing an invoice	✘
DefaultCreditNoteTaxType	Object	The inventory item's default tax type when processing a credit note	✘
DefaultGoodsReceivedTaxType	Object	The inventory item's default tax type when processing a Grv	✘
DefaultReturnToSupplierTaxType	Object	The inventory item's default tax type when processing a Rts	✘
StockingUnit	Object	The inventory item's stocking unit	✘
StockingUnitID	Integer	The inventory item's stocking unit unique identifier	✘
DefaultSellingUnit	Object	The inventory item's default selling unit	✘

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Field	Type	Description	Required
DefaultSellingUnitID	Integer	The inventory item's default selling unit unique identifier	✘
DefaultPurchaseUnit	Object	The inventory item's default purchasing unit	✘
DefaultPurchaseUnitID	Integer	The inventory item's default purchasing unit unique identifier	✘
IsUnitOfMeasure	Boolean	Is the inventory item a unit of measure item?	✘
LotsExpire	Boolean	Does the lot item expire?	✘
InitialLotStatusID	Integer	Initial lot status ID	✘

Inventory Item Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/InventoryItemUpdate{ITEM}
Path Parameters	ITEM: Instance of an inventory item object
Methods Supported	POST
Description	Update an existing inventory item

The following elements are required or optional with regards to updating an existing inventory item.

Field	Type	Description	Required
Code	String	The inventory item's code	✔
Description	String	The inventory item's description	✘
Description_2	String	The inventory item's second description	✘
Description_3	String	The inventory item's third description	✘
Active	Boolean	Is the inventory item active or in-active?	✘
IsWarehouseTracked	Boolean	Is the inventory item a warehouse type item?	✘
IsServiceItem	Boolean	Is the inventory item a service item?	✘
IsCommisionable	Boolean	Should commission be calculated for the inventory item?	✘
IsLotTracked	Boolean	Is the inventory item a lot tracking item?	✘
IsSerialTracked	Boolean	Is the inventory item a serial number item?	✘
AllowDuplicateSerialNumber	Boolean	Is the inventory item allowing for duplicate serial numbers?	✘
IsStrictSerialTracked	Boolean	Is the inventory item allowing for strict serial number tracking?	✘
CostingMethod	Object	The type of costing method used for the inventory item	✘
DefaultInvoicingTaxType	Object	The inventory item's default tax type when processing an invoice	✘
DefaultCreditNoteTaxType	Object	The inventory item's default tax type when processing a credit note	✘
DefaultGoodsReceivedTaxType	Object	The inventory item's default tax type when processing a Grv	✘
DefaultReturnToSupplierTaxType	Object	The inventory item's default tax type when processing a Rts	✘
StockingUnit	Object	The inventory item's stocking unit	✘
StockingUnitID	Integer	The inventory item's stocking unit unique identifier	✘
DefaultSellingUnit	Object	The inventory item's default selling unit	✘
DefaultSellingUnitID	Integer	The inventory item's default selling unit unique identifier	✘
DefaultPurchaseUnit	Object	The inventory item's default purchasing unit	✘
DefaultPurchaseUnitID	Integer	The inventory item's default purchasing unit unique identifier	✘
IsUnitOfMeasure	Boolean	Is the inventory item a unit of measure item?	✘
LotsExpire	Boolean	Does the lot item expire?	✘
InitialLotStatusID	Integer	Initial lot status ID	✘

Inventory Item Price Lists

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Price Lists Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/PriceListFind{NAME}
Path Parameters	NAME: Name of the price list [Required]
Methods Supported	GET
Description	Returns an instance of an existing price list

The following elements are returned in the PriceListFind response

Field	Type	Description
ID	Integer	The price list's unique identifier
Name	String	The price list's name
Description	String	The price list's description

Price Lists List

Overview

URL	/Freedom.Core/Freedom Database/SDK/PriceListList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all price lists present within the system.

The following elements are returned in the PriceListList response

Field	Type	Description
ID	Integer	The price list's unique identifier
Name	String	The price list's name
Description	String	The price list's description

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Price List Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/PriceListInsert{PRICELIST}
Path Parameters	PRICELIST: Instance of a price list object
Methods Supported	POST
Description	Create a new price list

The following elements are required or optional with regards to creating a new price list

Field	Type	Description	Required
Name	String	The price list's name	✔
Description	String	The price list's description	✘

Price List Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/PriceListUpdate{PRICELIST}
Path Parameters	PRICELIST: Instance of a price list object
Methods Supported	POST
Description	Update an existing pricelist

The following elements are required or optional with regards to updating an existing inventory item.

Field	Type	Description	Required
Name	String	The price list's name	✔
Description	String	The price list's description	✘

Inventory Item Selling Prices

Item Selling Prices List

Overview

URL	/Freedom.Core/Freedom Database/SDK/ItemSellingPricesList {ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of selling prices setup per inventory item

The following elements are returned in the ItemSellingPricesList response

Field	Type	Description
ID	Integer	The selling price's unique identifier
ItemCode	String	The inventory item code
PriceListName	String	The price list name
PriceExclusive	Double	The inventory item's exclusive price
PriceInclusive	Double	The inventory item's inclusive price
MarkupPercentage	Double	The inventory item's mark-up percentage calculated via the costing method

Item Selling Prices Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/ItemSellingPriceInsertOrUpdate {PRICES}
Path Parameters	PRICES: Instance of a list of item selling prices
Methods Supported	POST
Description	Update an existing inventory item selling prices

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The following elements are required or optional with regards to updating an existing inventory item.

Field	Type	Description	Required
SellingPrices	Array	A List of item selling prices [see item selling prices object above]	✔

Aging Terms

Aging Term Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/AgingTermFind {MODULE}, {CODE}
Path Parameters	MODULE: The module context, CODE: Aging term code
Methods Supported	GET
Description	Returns an instance of an aging term

The following elements are returned in the AgingTermFind response

Field	Type	Description
ID	Integer	The aging term's unique identifier
Code	String	The aging term's code
Description	String	The aging term's description
Module	Integer	The aging term's context module. [AR = 0, AP = 1]
TermDescription1	String	The 1st aging term's description
TermDescription2	String	The 2nd aging term's description
TermDescription3	String	The 3rd aging term's description
TermDescription4	String	The 4th aging term's description
TermDescription5	String	The 5th aging term's description
TermDescription6	String	The 6th aging term's description
TermDescription7	String	The 7th aging term's description
IntervalDays1	Integer	Amount of interval days for the 1st term
IntervalDays2	Integer	Amount of interval days for the 2nd term
IntervalDays3	Integer	Amount of interval days for the 3rd term
IntervalDays4	Integer	Amount of interval days for the 4th term
IntervalDays5	Integer	Amount of interval days for the 5th term
IntervalDays6	Integer	Amount of interval days for the 6th term
IntervalDays7	Integer	Amount of interval days for the 7th term
StatementClosingDate1	Date	The 1st aging term's closing date
StatementClosingDate2	Date	The 2nd aging term's closing date
StatementClosingDate3	Date	The 3rd aging term's closing date
StatementClosingDate4	Date	The 4th aging term's closing date
StatementClosingDate5	Date	The 5th aging term's closing date
StatementClosingDate6	Date	The 6th aging term's closing date
StatementClosingDate7	Date	The 7th aging term's closing date
Age1Message1	String	The 1st aging term's message 1
Age1Message2	String	The 1st aging term's message 2
Age2Message1	String	The 2nd aging term's message 1
Age2Message2	String	The 2nd aging term's message 2
Age3Message1	String	The 3rd aging term's message 1
Age3Message2	String	The 3rd aging term's message 2
Age4Message1	String	The 4th aging term's message 1
Age4Message2	String	The 4th aging term's message 2
Age5Message1	String	The 5th aging term's message 1
Age5Message2	String	The 5th aging term's message 2

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Field	Type	Description
Age6Message1	String	The 6th aging term's message 1
Age6Message2	String	The 6th aging term's message 2
Age7Message1	String	The 7th aging term's message 1
Age7Message2	String	The 7th aging term's message 2

Aging Term List

Overview

URL	/Freedom.Core/Freedom Database/SDK/AgingTermList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all aging terms present within the system.

The following elements are returned in the AgingTermList response

Field	Type	Description
AgingTerms	Array	An object array of aging terms
• ID	Integer	The aging term's unique identifier
• Code	String	The aging term's code
• Description	String	The aging term's description
• Module	Integer	The aging term's context module. [AR = 0, AP = 1]
• TermDescription1	String	The 1st aging term's description
• TermDescription2	String	The 2nd aging term's description
• TermDescription3	String	The 3rd aging term's description
• TermDescription4	String	The 4th aging term's description
• TermDescription5	String	The 5th aging term's description
• TermDescription6	String	The 6th aging term's description
• TermDescription7	String	The 7th aging term's description
• IntervalDays1	Integer	Amount of interval days for the 1st term
• IntervalDays2	Integer	Amount of interval days for the 2nd term
• IntervalDays3	Integer	Amount of interval days for the 3rd term
• IntervalDays4	Integer	Amount of interval days for the 4th term
• IntervalDays5	Integer	Amount of interval days for the 5th term
• IntervalDays6	Integer	Amount of interval days for the 6th term
• IntervalDays7	Integer	Amount of interval days for the 7th term
• StatementClosingDate1	Date	The 1st aging term's closing date
• StatementClosingDate2	Date	The 2nd aging term's closing date
• StatementClosingDate3	Date	The 3rd aging term's closing date
• StatementClosingDate4	Date	The 4th aging term's closing date
• StatementClosingDate5	Date	The 5th aging term's closing date
• StatementClosingDate6	Date	The 6th aging term's closing date
• StatementClosingDate7	Date	The 7th aging term's closing date
• Age1Message1	String	The 1st aging term's message 1
• Age1Message2	String	The 1st aging term's message 2
• Age2Message1	String	The 2nd aging term's message 1
• Age2Message2	String	The 2nd aging term's message 2
• Age3Message1	String	The 3rd aging term's message 1
• Age3Message2	String	The 3rd aging term's message 2
• Age4Message1	String	The 4th aging term's message 1
• Age4Message2	String	The 4th aging term's message 2
• Age5Message1	String	The 5th aging term's message 1

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Field	Type	Description
AgingTerms	Array	An object array of aging terms
• Age5Message2	String	The 5th aging term's message 2
• Age6Message1	String	The 6th aging term's message 1
• Age6Message2	String	The 6th aging term's message 2
• Age7Message1	String	The 7th aging term's message 1
• Age7Message2	String	The 7th aging term's message 2

Aging Term Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/AgingTermInsert{AGINGTERM}
Path Parameters	AGINGTERM: Instance of an aging term object
Methods Supported	POST
Description	Create a new aging term

The following elements are required or optional with regards to creating a new aging term

Field	Type	Description	Required
Code	String	The aging term's code	✔
Description	String	The aging term's description	✔
Module	Integer	The aging term's context module. [AR = 0, AP = 1]	✔
TermDescription1	String	The 1st aging term's description	✔
TermDescription2	String	The 2nd aging term's description	✔
TermDescription3	String	The 3rd aging term's description	✔
TermDescription4	String	The 4th aging term's description	✔
TermDescription5	String	The 5th aging term's description	✔
TermDescription6	String	The 6th aging term's description	✔
TermDescription7	String	The 7th aging term's description	✔
IntervalDays1	Integer	Amount of interval days for the 1st term	✔
IntervalDays2	Integer	Amount of interval days for the 2nd term	✔
IntervalDays3	Integer	Amount of interval days for the 3rd term	✔
IntervalDays4	Integer	Amount of interval days for the 4th term	✔
IntervalDays5	Integer	Amount of interval days for the 5th term	✔
IntervalDays6	Integer	Amount of interval days for the 6th term	✔
IntervalDays7	Integer	Amount of interval days for the 7th term	✔
StatementClosingDate1	Date	The 1st aging term's closing date	✔
StatementClosingDate2	Date	The 2nd aging term's closing date	✔
StatementClosingDate3	Date	The 3rd aging term's closing date	✔
StatementClosingDate4	Date	The 4th aging term's closing date	✔
StatementClosingDate5	Date	The 5th aging term's closing date	✔
StatementClosingDate6	Date	The 6th aging term's closing date	✔
StatementClosingDate7	Date	The 7th aging term's closing date	✔
Age1Message1	String	The 1st aging term's message 1	✘
Age1Message2	String	The 1st aging term's message 2	✘
Age2Message1	String	The 2nd aging term's message 1	✘
Age2Message2	String	The 2nd aging term's message 2	✘
Age3Message1	String	The 3rd aging term's message 1	✘
Age3Message2	String	The 3rd aging term's message 2	✘
Age4Message1	String	The 4th aging term's message 1	✘
Age4Message2	String	The 4th aging term's message 2	✘
Age5Message1	String	The 5th aging term's message 1	✘

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Field	Type	Description	Required
Age5Message2	String	The 5th aging term's message 2	✘
Age6Message1	String	The 6th aging term's message 1	✘
Age6Message2	String	The 6th aging term's message 2	✘
Age7Message1	String	The 7th aging term's message 1	✘
Age7Message2	String	The 7th aging term's message 2	✘

Aging Term Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/AgingTermUpdate{AGINGTERM}
Path Parameters	AGINGTERM: Instance of an aging term object
Methods Supported	POST
Description	Update an existing aging term

The following elements are required or optional with regards to updating an existing aging term

Field	Type	Description	Required
Code	String	The aging term's code	✔
Description	String	The aging term's description	✔
Module	Integer	The aging term's context module. [AR = 0, AP = 1]	✔
TermDescription1	String	The 1st aging term's description	✔
TermDescription2	String	The 2nd aging term's description	✔
TermDescription3	String	The 3rd aging term's description	✔
TermDescription4	String	The 4th aging term's description	✔
TermDescription5	String	The 5th aging term's description	✔
TermDescription6	String	The 6th aging term's description	✔
TermDescription7	String	The 7th aging term's description	✔
IntervalDays1	Integer	Amount of interval days for the 1st term	✔
IntervalDays2	Integer	Amount of interval days for the 2nd term	✔
IntervalDays3	Integer	Amount of interval days for the 3rd term	✔
IntervalDays4	Integer	Amount of interval days for the 4th term	✔
IntervalDays5	Integer	Amount of interval days for the 5th term	✔
IntervalDays6	Integer	Amount of interval days for the 6th term	✔
IntervalDays7	Integer	Amount of interval days for the 7th term	✔
StatementClosingDate1	Date	The 1st aging term's closing date	✔
StatementClosingDate2	Date	The 2nd aging term's closing date	✔
StatementClosingDate3	Date	The 3rd aging term's closing date	✔
StatementClosingDate4	Date	The 4th aging term's closing date	✔
StatementClosingDate5	Date	The 5th aging term's closing date	✔
StatementClosingDate6	Date	The 6th aging term's closing date	✔
StatementClosingDate7	Date	The 7th aging term's closing date	✔
Age1Message1	String	The 1st aging term's message 1	✘
Age1Message2	String	The 1st aging term's message 2	✘
Age2Message1	String	The 2nd aging term's message 1	✘
Age2Message2	String	The 2nd aging term's message 2	✘
Age3Message1	String	The 3rd aging term's message 1	✘
Age3Message2	String	The 3rd aging term's message 2	✘
Age4Message1	String	The 4th aging term's message 1	✘
Age4Message2	String	The 4th aging term's message 2	✘
Age5Message1	String	The 5th aging term's message 1	✘

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Field	Type	Description	Required
Age5Message2	String	The 5th aging term's message 2	✘
Age6Message1	String	The 6th aging term's message 1	✘
Age6Message2	String	The 6th aging term's message 2	✘
Age7Message1	String	The 7th aging term's message 1	✘
Age7Message2	String	The 7th aging term's message 2	✘

Areas

Area Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/AreaFind{CODE}
Path Parameters	CODE: Area code
Methods Supported	GET
Description	Returns an instance of an area

The following elements are returned in the AreaFind response

Field	Type	Description
ID	Integer	The area's unique identifier
Code	String	The area's code
Description	String	The area's description

Area List

Overview

URL	/Freedom.Core/Freedom Database/SDK/AreaList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all areas present within the system.

The following elements are returned in the AreaList response

Field	Type	Description
Areas	Array	An object array of areas
• ID	Integer	The area's unique identifier
• Code	String	The area's code
• Description	String	The area's description

Area Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/AreaInsert{AREA}
Path Parameters	AREA: Instance of an area object
Methods Supported	POST
Description	Create a new area

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The following elements are required or optional with regards to creating a new area

Field	Type	Description	Required
Code	String	The area's code	✔
Description	String	The area's description	✔

Area Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/AreaUpdate{AREA}
Path Parameters	AREA: Instance of an area object
Methods Supported	POST
Description	Update an existing area

The following elements are required or optional with regards to updating an existing area

Field	Type	Description	Required
Code	String	The area's code	✔
Description	String	The area's description	✔

Customer Groups

Customer Group Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerGroupFind {CODE}
Path Parameters	CODE: Customer group code
Methods Supported	GET
Description	Returns an instance of a customer group

The following elements are returned in the CustomerGroupFind response

Field	Type	Description
ID	Integer	The customer's group unique identifier
Code	String	The customer's group code
Description	String	The customer's group description
Control Account	Array	A general ledger control account object
• ID	Integer	The account's unique identifier
• Code	String	The account's code
• Description	String	The account's description
Tax Control Account	Array	A general ledger tax control account object
• ID	Integer	The account's unique identifier
• Code	String	The account's code
• Description	String	The account's description

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Customer Group List

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerGroupList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all customer groups present within the system.

The following elements are returned in the CustomerGroupList response

Field	Type	Description
Customer Groups	Array	An object array of customer groups
• ID	Integer	The customer's group unique identifier
• Code	String	The customer's group code
• Description	String	The customer's group description
• Control Account	Array	A general ledger control account object
▪ ID	Integer	The account's unique identifier
▪ Code	String	The account's code
▪ Description	String	The account's description
• Tax Control Account	Array	A general ledger tax control account object
▪ ID	Integer	The account's unique identifier
▪ Code	String	The account's code
▪ Description	String	The account's description

Customer Group Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerGroupInsert{CUSTOMERGROUP}
Path Parameters	CUSTOMERGROUP: Instance of a customer group object
Methods Supported	POST
Description	Create a new customer group

The following elements are required or optional with regards to creating a new customer group

Field	Type	Description	Required
Code	String	The customer's group code	✔
Description	String	The customer's group description	✔
Control Account	Array	A general ledger control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘
Tax Control Account	Array	A general ledger tax control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘

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Customer Group Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerGroupUpdate{CUSTOMERGROUP}
Path Parameters	CUSTOMERGROUP: Instance of a customer group object
Methods Supported	POST
Description	Update an existing customer group

The following elements are required or optional with regards to updating an existing customer group

Field	Type	Description	Required
Code	String	The customer's group code	✔
Description	String	The customer's group description	✔
Control Account	Array	A general ledger control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘
Tax Control Account	Array	A general ledger tax control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘

Person

Person Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/PersonFind{DISPLAYNAME}
Path Parameters	DISPLAYNAME: Person's display name
Methods Supported	GET
Description	Returns an instance of a person

The following elements are returned in the PersonFind response

Field	Type	Description
ID	Integer	The person's unique identifier
Code	String	The person's display name
Description	String	The person's description
Initials	String	The person's initials
Fax	String	The person's fax number
TelHome	String	The person's home telephone number
TelMobile	String	The person's mobile telephone number
TelWork	String	The person's work telephone number

Person List

Overview

URL	/Freedom.Core/Freedom Database/SDK/PersonList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all the people present within the system.

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The following elements are returned in the PersonList response

Field	Type	Description
People	Array	An object array of persons
• ID	Integer	The person's unique identifier
• Code	String	The person's display name
• Description	String	The person's description
• Initials	String	The person's initials
• Fax	String	The person's fax number
• TelHome	String	The person's home telephone number
• TelMobile	String	The person's mobile telephone number
• TelWork	String	The person's work telephone number

Person Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/PersonInsert{PEOPLE}
Path Parameters	PEOPLE: Instance of a person object
Methods Supported	POST
Description	Create a new person

The following elements are required or optional with regards to creating a new person

Field	Type	Description	Required
Code	String	The person's display name	✔
Description	String	The person's description	✘
Initials	String	The person's initials	✘
Fax	String	The person's fax number	✘
TelHome	String	The person's home telephone number	✘
TelMobile	String	The person's mobile telephone number	✘
TelWork	String	The person's work telephone number	✘

Person Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/PersonUpdate{PEOPLE}
Path Parameters	PEOPLE: Instance of a person object
Methods Supported	POST
Description	Update an existing person

The following elements are required or optional with regards to updating an existing person

Field	Type	Description	Required
Code	String	The person's display name	✔
Description	String	The person's description	✘
Initials	String	The person's initials	✘
Fax	String	The person's fax number	✘
TelHome	String	The person's home telephone number	✘
TelMobile	String	The person's mobile telephone number	✘

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Field	Type	Description	Required
TelWork	String	The person's work telephone number	✘

Supplier Groups

Supplier Group Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierGroupFind {CODE}
Path Parameters	CODE: Supplier group code
Methods Supported	GET
Description	Returns an instance of a supplier group

The following elements are returned in the SupplierGroupFind response

Field	Type	Description
ID	Integer	The supplier's group unique identifier
Code	String	The supplier's group code
Description	String	The supplier's group description
Control Account	Array	A general ledger control account object
• ID	Integer	The account's unique identifier
• Code	String	The account's code
• Description	String	The account's description
Tax Control Account	Array	A general ledger tax control account object
• ID	Integer	The account's unique identifier
• Code	String	The account's code
• Description	String	The account's description

Supplier Group List

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierGroupList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all supplier groups present within the system.

The following elements are returned in the SupplierGroupList response

Field	Type	Description
Supplier Groups	Array	An object array of supplier groups
• ID	Integer	The supplier's group unique identifier
• Code	String	The supplier's group code
• Description	String	The supplier's group description
• Control Account	Array	A general ledger control account object
▪ ID	Integer	The account's unique identifier
▪ Code	String	The account's code
▪ Description	String	The account's description
• Tax Control Account	Array	A general ledger tax control account object
▪ ID	Integer	The account's unique identifier
▪ Code	String	The account's code
▪ Description	String	The account's description

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Supplier Group Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierGroupInsert{SUPPLIERGROUP}
Path Parameters	SUPPLIERGROUP: Instance of a supplier group object
Methods Supported	POST
Description	Create a new supplier group

The following elements are required or optional with regards to creating a new supplier group

Field	Type	Description	Required
Code	String	The supplier's group code	✔
Description	String	The supplier's group description	✔
Control Account	Array	A general ledger control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘
Tax Control Account	Array	A general ledger tax control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘

Supplier Group Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierGroupUpdate{SUPPLIERGROUP}
Path Parameters	SUPPLIERGROUP: Instance of a supplier group object
Methods Supported	POST
Description	Update an existing supplier group

The following elements are required or optional with regards to updating an existing supplier group

Field	Type	Description	Required
Code	String	The supplier's group code	✔
Description	String	The supplier's group description	✔
Control Account	Array	A general ledger control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘
Tax Control Account	Array	A general ledger tax control account object	✘
• ID	Integer	The account's unique identifier	✘
• Code	String	The account's code	✘
• Description	String	The account's description	✘

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Sales Representatives

Sales Representative Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/SalesRepresentativeFind{CODE}
Path Parameters	CODE: Sales representative code
Methods Supported	GET
Description	Returns an instance of a sales representative

The following elements are returned in the SalesRepresentativeFind response

Field	Type	Description
ID	Integer	The sales representative's unique identifier
Code	String	The sales representative's code
Description	String	The sales representative's description
Address1	String	The sales representative's 1st address line
Address2	String	The sales representative's 2nd address line
Address3	String	The sales representative's 3rd address line
Address4	String	The sales representative's 4th address line
Bank	String	The sales representative's bank
Comment1	String	Comment line 1
Comment2	String	Comment line 2
OnHold	Boolean	Is the sales representative currently on hold?

Sales Representative List

Overview

URL	/Freedom.Core/Freedom Database/SDK/SalesRepresentativeList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all sales representatives present within the system.

The following elements are returned in the SalesRepresentativeList response

Field	Type	Description
SalesRepresentatives	Array	An object array of sales representatives
• ID	Integer	The sales representative's unique identifier
• Code	String	The sales representative's code
• Description	String	The sales representative's description
• Address1	String	The sales representative's 1st address line
• Address2	String	The sales representative's 2nd address line
• Address3	String	The sales representative's 3rd address line
• Address4	String	The sales representative's 4th address line
• Bank	String	The sales representative's bank

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Sales Representative Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/SalesRepresentativeInsert{SALESREP}
Path Parameters	SALESREP: Instance of a sales representative object
Methods Supported	POST
Description	Create a new sales representative

The following elements are required or optional with regards to creating a new sales representative

Field	Type	Description	Required
Code	String	The person's display name	✔
Description	String	The person's description	✘
Address1	String	The sales representative's 1st address line	✘
Address2	String	The sales representative's 2nd address line	✘
Address3	String	The sales representative's 3rd address line	✘
Address4	String	The sales representative's 4th address line	✘
Bank	String	The sales representative's bank	✘
Comment1	String	Comment line 1	✘
Comment2	String	Comment line 2	✘
OnHold	Boolean	Is the sales representative currently on hold?	✘

Sales Representative Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/SalesRepresentativeUpdate{SALESREP}
Path Parameters	SALESREP: Instance of a sales representative object
Methods Supported	POST
Description	Update an existing sales representative

The following elements are required or optional with regards to updating an existing sales representative

Field	Type	Description	Required
Code	String	The person's display name	✔
Description	String	The person's description	✘
Address1	String	The sales representative's 1st address line	✘
Address2	String	The sales representative's 2nd address line	✘
Address3	String	The sales representative's 3rd address line	✘
Address4	String	The sales representative's 4th address line	✘
Bank	String	The sales representative's bank	✘
Comment1	String	Comment line 1	✘
Comment2	String	Comment line 2	✘
OnHold	Boolean	Is the sales representative currently on hold?	✘

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Settlement Terms

Settlement Term Find

Overview

URL	/Freedom.Core/Freedom Database/SDK/SettlementTermFind{CODE}
Path Parameters	CODE: Settlement term code
Methods Supported	GET
Description	Returns an instance of a settlement term

The following elements are returned in the SettlementTermFind response

Field	Type	Description
ID	Integer	The settlement term's unique identifier
Code	String	The settlement term's code
Description	String	The settlement term's description
PaymentMethod	Integer	The settlement term's payment method [Invoice Date = 0, Settlement Date = 1]
Days	Integer	The settlement term's days
DiscountPercentage	Double	The settlement term's discount percentage
InvoiceMessage	String	The settlement term's message on the invoice

Settlement Term List

Overview

URL	/Freedom.Core/Freedom Database/SDK/SettlementTermList{ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list of all settlement terms present within the system.

The following elements are returned in the SettlementTermList response

Field	Type	Description
SettlementTerms	Array	An object array of settlement terms
• ID	Integer	The settlement term's unique identifier
• Code	String	The settlement term's code
• Description	String	The settlement term's description
• PaymentMethod	Integer	The settlement term's payment method [Invoice Date = 0, Settlement Date = 1]
• Days	Integer	The settlement term's days
• DiscountPercentage	Double	The settlement term's discount percentage
• InvoiceMessage	String	The settlement term's message on the invoice

Settlement Term Add

Overview

URL	/Freedom.Core/Freedom Database/SDK/SettlementTermInsert{TERM}
Path Parameters	TERM: Instance of a settlement term object
Methods Supported	POST
Description	Create a new settlement term

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The following elements are required or optional with regards to creating a new settlement term

Field	Type	Description	Required
Code	String	The settlement term's code	✔
Description	String	The settlement term's description	✔
PaymentMethod	Integer	The settlement term's payment method [Invoice Date = 0, Settlement Date = 1]	✔
Days	Integer	The settlement term's days	✔
DiscountPercentage	Double	The settlement term's discount percentage	✘
InvoiceMessage	String	The settlement term's message on the invoice	✘

Settlement Term Update

Overview

URL	/Freedom.Core/Freedom Database/SDK/SettlementTermUpdate{TERM}
Path Parameters	TERM: Instance of a settlement term object
Methods Supported	POST
Description	Update an existing settlement term

The following elements are required or optional with regards to updating an existing settlement term

Field	Type	Description	Required
Code	String	The settlement term's code	✔
Description	String	The settlement term's description	✔
PaymentMethod	Integer	The settlement term's payment method [Invoice Date = 0, Settlement Date = 1]	✔
Days	Integer	The settlement term's days	✔
DiscountPercentage	Double	The settlement term's discount percentage	✘
InvoiceMessage	String	The settlement term's message on the invoice	✘

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Customer Transactions

Customer Transaction List By Account Code

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerTransactionListByAccountCode {ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list for of customer transactions for a specific customer by specifying a customer code

The following elements are returned in the CustomerTransactionListByAccountCode response

Field	Type	Description
Customer Transactions	Array	An object array of customer transactions
• AutoIndex	Long	The transaction's unique identifier
• Date	Date	The transaction date
• Id	String	The transaction id
• AccountLink	Integer	The transaction's customer id
• TransactionCodeId	Integer	The transaction code id
• Debit	Double	The transaction debit amount
• Credit	Double	The transaction credit amount
• CurrencyId	Integer	The transaction's foreign currency id

Field	Type	Description
Customer Transactions	Array	An object array of customer transactions
• ExchangeRate	Double	The transaction exchange rate
• ForeignDebit	Double	The transaction foreign debit amount
• ForeignCredit	Double	The transaction foreign credit amount
• Description	String	The transaction description
• TaxTypeId	Integer	The transaction tax type id
• Reference	String	The transaction reference
• OrderNum	String	The transaction order number
• AuditNumber	String	The unique audit number posted for the transaction
• TaxAmount	Double	The transaction tax amount
• ForeignTax	Double	The transaction foreign tax amount
• ProjectId	Integer	The transaction project id
• DateTimeStamp	Date	The transaction date and time stamp signature
• UserName	String	The system agent whom processed or allocated the transaction
• Reference2	String	The transaction's additional reference
• TransactionBranchId	Integer	The transaction branch id
• BranchId	Integer	The branch id
• GLTaxAccountID	Integer	The general ledger tax account id

Customer Transaction List By Account ID

Overview

URL	/Freedom.Core/Freedom Database/SDK/CustomerTransactionListByAccountID {ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list for of customer transactions for a specific customer by specifying a customer ID

The following elements are returned in the CustomerTransactionListByAccountID response

Field	Type	Description
Customer Transactions	Array	An object array of customer transactions
• AutoIndex	Long	The transaction's unique identifier
• Date	Date	The transaction date
• Id	String	The transaction id
• AccountLink	Integer	The transaction's customer id
• TransactionCodeId	Integer	The transaction code id
• Debit	Double	The transaction debit amount
• Credit	Double	The transaction credit amount
• CurrencyId	Integer	The transaction's foreign currency id
• ExchangeRate	Double	The transaction exchange rate
• ForeignDebit	Double	The transaction foreign debit amount
• ForeignCredit	Double	The transaction foreign credit amount
• Description	String	The transaction description
• TaxTypeId	Integer	The transaction tax type id
• Reference	String	The transaction reference
• OrderNum	String	The transaction order number
• AuditNumber	String	The unique audit number posted for the transaction
• TaxAmount	Double	The transaction tax amount
• ForeignTax	Double	The transaction foreign tax amount
• ProjectId	Integer	The transaction project id

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Field	Type	Description
Customer Transactions	Array	An object array of customer transactions
• DateTimeStamp	Date	The transaction date and time stamp signature
• UserName	String	The system agent whom processed or allocated the transaction
• Reference2	String	The transaction's additional reference
• TransactionBranchId	Integer	The transaction branch id
• BranchId	Integer	The branch id
• GLTaxAccountID	Integer	The general ledger tax account id

Supplier Transactions

Supplier Transaction List By Account Code

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierTransactionListByAccountCode {ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list for of supplier transactions for a specific vendor by specifying a supplier code

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The following elements are returned in the SupplierTransactionListByAccountCode response

Field	Type	Description
Supplier Transactions	Array	An object array of supplier transactions
• AutoIndex	Long	The transaction's unique identifier
• Date	Date	The transaction date
• Id	String	The transaction id
• AccountLink	Integer	The transaction's customer id
• TransactionCodeId	Integer	The transaction code id
• Debit	Double	The transaction debit amount
• Credit	Double	The transaction credit amount
• CurrencyId	Integer	The transaction's foreign currency id
• ExchangeRate	Double	The transaction exchange rate
• ForeignDebit	Double	The transaction foreign debit amount
• ForeignCredit	Double	The transaction foreign credit amount
• Description	String	The transaction description
• TaxTypeId	Integer	The transaction tax type id
• Reference	String	The transaction reference
• OrderNum	String	The transaction order number
• AuditNumber	String	The unique audit number posted for the transaction
• TaxAmount	Double	The transaction tax amount
• ForeignTax	Double	The transaction foreign tax amount
• ProjectId	Integer	The transaction project id
• DateTimeStamp	Date	The transaction date and time stamp signature
• UserName	String	The system agent whom processed or allocated the transaction
• Reference2	String	The transaction's additional reference
• TransactionBranchId	Integer	The transaction branch id
• BranchId	Integer	The branch id
• GLTaxAccountID	Integer	The general ledger tax account id

Supplier Transaction List By Account ID

Overview

URL	/Freedom.Core/Freedom Database/SDK/SupplierTransactionListByAccountID {ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list for of supplier transactions for a specific vendor by specifying a supplier ID

The following elements are returned in the SupplierTransactionListByAccountID response

Field	Type	Description
Supplier Transactions	Array	An object array of supplier transactions
• AutoIndex	Long	The transaction's unique identifier
• Date	Date	The transaction date
• Id	String	The transaction id
• AccountLink	Integer	The transaction's customer id
• TransactionCodeId	Integer	The transaction code id
• Debit	Double	The transaction debit amount
• Credit	Double	The transaction credit amount
• CurrencyId	Integer	The transaction's foreign currency id
• ExchangeRate	Double	The transaction exchange rate
• ForeignDebit	Double	The transaction foreign debit amount
• ForeignCredit	Double	The transaction foreign credit amount
• Description	String	The transaction description
• TaxTypeId	Integer	The transaction tax type id
• Reference	String	The transaction reference
• OrderNum	String	The transaction order number
• AuditNumber	String	The unique audit number posted for the transaction
• TaxAmount	Double	The transaction tax amount
• ForeignTax	Double	The transaction foreign tax amount
• ProjectId	Integer	The transaction project id
• DateTimeStamp	Date	The transaction date and time stamp signature
• UserName	String	The system agent whom processed or allocated the transaction
• Reference2	String	The transaction's additional reference
• TransactionBranchId	Integer	The transaction branch id
• BranchId	Integer	The branch id
• GLTaxAccountID	Integer	The general ledger tax account id

Inventory Transactions

Inventory Transaction List By Item Code

Overview

URL	/Freedom.Core/Freedom Database/SDK/InventoryTransactionListByItemCode {ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list for of inventory transactions for a specific item by specifying an item code

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The following elements are returned in the InventoryTransactionListByItemCode response

Field	Type	Description
Inventory Transactions	Array	An object array of inventory transactions
• AutoIndex	Long	The transaction's unique identifier
• Date	Date	The transaction date
• Id	String	The transaction id
• AccountLink	Integer	The transaction's customer id
• TransactionCodeId	Integer	The transaction code id
• Debit	Double	The transaction debit amount
• Credit	Double	The transaction credit amount
• CurrencyId	Integer	The transaction's foreign currency id
• ExchangeRate	Double	The transaction exchange rate
• ForeignDebit	Double	The transaction foreign debit amount
• ForeignCredit	Double	The transaction foreign credit amount
• Description	String	The transaction description
• TaxTypeId	Integer	The transaction tax type id
• Reference	String	The transaction reference
• OrderNum	String	The transaction order number
• ExtOrderNum	String	The transaction external order number
• AuditNumber	String	The unique audit number posted for the transaction
• TaxAmount	Double	The transaction tax amount
• ForeignTax	Double	The transaction foreign tax amount
• ProjectId	Integer	The transaction project id
• Quantity	Double	The transaction quantity
• Cost	Double	The transaction cost amount
• WarehouseID	Integer	The transaction warehouse id
• JobCardID	Long	The transaction job card id
• JobLineID	Long	The transaction job card line id
• TillID	Integer	The transaction till id
• DebitCreditAccount	Integer	The debit credit account
• DateTimeStamp	Date	The transaction date and time stamp signature
• UserName	String	The system agent whom processed or allocated the transaction
• TaxPeriodID	Integer	The transaction tax period id
• InvNumID	Long	The invoice header id
• RepID	Integer	The transaction representative id
• ChargeCom	Boolean	Charge commission
• ManufProcessID	Integer	The transaction manufacturing process id
• ManufLineID	Long	The transaction manufacturing process line id
• LotID	Long	The transaction lot id
• AdditionalCost	Double	The transaction's additional cost amount
• Reference2	String	The transaction's additional reference
• TransactionBranchId	Integer	The transaction branch id
• BranchId	Integer	The branch id
• GLAccountID	Integer	The general ledger account id
• QuantityInvoiced	Double	The transaction quantity invoiced
• BinLocationID	Integer	The transaction bin location id
• Attribute	String	The transactional attribute values

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Inventory Transaction List By Item ID

Overview

URL	/Freedom.Core/Freedom Database/SDK/InventoryTransactionListByItemID {ORDERBY}, {PAGENUMBER}, {PAGESIZE}
Path Parameters	ORDERBY: Field to order by, PAGENUMBER: Page number, PAGESIZE: Size of each page
Methods Supported	GET
Description	Returns a list for of inventory transactions for a specific item by specifying an item ID

The following elements are returned in the InventoryTransactionListByItemID response

Field	Type	Description
Inventory Transactions	Array	An object array of inventory transactions
• AutoIndex	Long	The transaction's unique identifier
• Date	Date	The transaction date
• Id	String	The transaction id
• AccountLink	Integer	The transaction's customer id
• TransactionCodeId	Integer	The transaction code id
• Debit	Double	The transaction debit amount
• Credit	Double	The transaction credit amount
• CurrencyId	Integer	The transaction's foreign currency id
• ExchangeRate	Double	The transaction exchange rate
• ForeignDebit	Double	The transaction foreign debit amount
• ForeignCredit	Double	The transaction foreign credit amount
• Description	String	The transaction description
• TaxTypeId	Integer	The transaction tax type id
• Reference	String	The transaction reference
• OrderNum	String	The transaction order number
• ExtOrderNum	String	The transaction external order number
• AuditNumber	String	The unique audit number posted for the transaction
• TaxAmount	Double	The transaction tax amount
• ForeignTax	Double	The transaction foreign tax amount
• ProjectId	Integer	The transaction project id
• Quantity	Double	The transaction quantity
• Cost	Double	The transaction cost amount
• WarehouseID	Integer	The transaction warehouse id
• JobCardID	Long	The transaction job card id
• JobLineID	Long	The transaction job card line id
• TillID	Integer	The transaction till id
• DebitCreditAccount	Integer	The debit credit account
• DateTimeStamp	Date	The transaction date and time stamp signature
• UserName	String	The system agent whom processed or allocated the transaction
• TaxPeriodID	Integer	The transaction tax period id
• InvNumID	Long	The invoice header id
• RepID	Integer	The transaction representative id
• ChargeCom	Boolean	Charge commission
• ManufProcessID	Integer	The transaction manufacturing process id
• ManufLineID	Long	The transaction manufacturing process line id
• LotID	Long	The transaction lot id
• AdditionalCost	Double	The transaction's additional cost amount
• Reference2	String	The transaction's additional reference
• TransactionBranchId	Integer	The transaction branch id
• BranchId	Integer	The branch id

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Field	Type	Description
Inventory Transactions	Array	An object array of inventory transactions
• GLAccountID	Integer	The general ledger account id
• QuantityInvoiced	Double	The transaction quantity invoiced
• BinLocationID	Integer	The transaction bin location id
• Attribute	String	The transactional attribute values

Sales Order Documents

Create New Sales Order Quotation

Overview

URL	/Freedom.Core/Freedom Database/SDK/QuotationPlaceOrder {SALESORDERQUOTATION}
Path Parameters	SALESORDERQUOTATION: Instance of a sales order quotation object
Methods Supported	POST
Description	Create a new sales order quotation within the system

The following elements are required or optional with regards to creating a new sales order quotation

Field	Type	Description	Required
SalesOrderQuotation	Object	Single data object containing all the various quotation variables	
• CustomerAccountCode	String	The customer's account code	✔
• OrderDate	Date	The date for when the quotation should be placed	✔
• InvoiceDate	Date	The document's invoice date	✘
• DocumentLines	Array	An object array of inventory type document lines	✘
▪ StockCode	String	The inventory item code	✔
▪ WarehouseCode	String	The warehouse code needs to be specified when warehouse item	✘
▪ BarCode	String	The default barcode specified on the inventory item	✘
▪ SerialNumber	String	A concatenated string array which contains the serial numbers	✘
▪ TaxCode	String	Tax code to be used for the line item	✘
▪ Quantity	Double	The default order or quotation line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✘
▪ UnitPrice	Double	The item unit selling price	✔
• DocumentFinancialLines	Array	An object array of general ledger type document lines	✘
▪ AccountCode	String	The general ledger account code	✔
▪ TaxCode	String	Tax code to be used for the financial line item	✘
▪ Quantity	Double	The default order or quotation line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✘
▪ UnitPrice	Double	The general ledger unit selling price	✔

Create New Sales Order

Overview

URL	/Freedom.Core/Freedom Database/SDK/SalesOrderPlaceOrder {SALESORDER}
Path Parameters	SALESORDER: Instance of a sales order object
Methods Supported	POST
Description	Create and place a new sales order invoice within the system

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The following elements are required or optional with regards to create and placing a new sales order document

Field	Type	Description	Required
SalesOrder	Object	Single data object containing all the various sales order variables	
• CustomerAccountCode	String	The customer's account code	✔
• OrderDate	Date	The date for when the quotation should be placed	✔
• InvoiceDate	Date	The document's invoice date	✘
• DocumentLines	Array	An object array of inventory type document lines	✘
▪ StockCode	String	The inventory item code	✔
▪ WarehouseCode	String	The warehouse code needs to be specified when warehouse item	✘
▪ BarCode	String	The default barcode specified on the inventory item	✘
▪ SerialNumber	String	A concatenated string array which contains the serial numbers	✘
▪ TaxCode	String	Tax code to be used for the line item	✘
▪ Quantity	Double	The default order or quotation line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✘
▪ UnitPrice	Double	The item unit selling price	✔
• DocumentFinancialLines	Array	An object array of general ledger type document lines	✘
▪ AccountCode	String	The general ledger account code	✔
▪ TaxCode	String	Tax code to be used for the financial line item	✘
▪ Quantity	Double	The default order or quotation line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✘
▪ UnitPrice	Double	The general ledger unit selling price	✔

Create New Sales Order Invoice

Overview

URL	/Freedom.Core/Freedom Database/SDK/SalesOrderProcessInvoice {SALESORDER}
Path Parameters	SALESORDER: Instance of a sales order object
Methods Supported	POST
Description	Create and process a new sales order invoice within the system

The following elements are required or optional with regards to create and processing a new sales order invoice

Field	Type	Description	Required
SalesOrder	Object	Single data object containing all the various invoice variables	
• CustomerAccountCode	String	The customer's account code	✔
• OrderDate	Date	The date for when the invoice should be placed	✔
• InvoiceDate	Date	The document's invoice date	✔
• DocumentLines	Array	An object array of inventory type document lines	✘
▪ StockCode	String	The inventory item code	✔
▪ WarehouseCode	String	The warehouse code needs to be specified when warehouse item	✘
▪ BarCode	String	The default barcode specified on the inventory item	✘
▪ SerialNumber	String	A concatenated string array which contains the serial numbers	✘
▪ TaxCode	String	Tax code to be used for the line item	✘
▪ Quantity	Double	The default order line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✔
▪ UnitPrice	Double	The item unit selling price	✔
• DocumentFinancialLines	Array	An object array of general ledger type document lines	✘
▪ AccountCode	String	The general ledger account code	✔
▪ TaxCode	String	Tax code to be used for the financial line item	✘
▪ Quantity	Double	The default order line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✔

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Field	Type	Description	Required
▪ UnitPrice	Double	The general ledger unit selling price	✔

Open Existing Sales Order & Process Invoice

Overview

1. Validate whether the sales order exists.
2. If the document exists, load the sales order object and edit variables need be.
3. Process the sales order object as a new invoice object within the system.

1. Validation: Sales Order Exists

URL	/Freedom.Core/Freedom Database/SDK/SalesOrderExists {ORDERNO}
Path Parameters	ORDERNO: Sales order number
Methods Supported	GET
Description	Validate whether a certain sales order exists

The following elements are required when validating whether a sales order exists within the system.

Field	Type	Description
Return Value	Boolean	Returns true or false

2. Load Existing Sales Order

URL	/Freedom.Core/Freedom Database/SDK/SalesOrderLoadByOrderNo {ORDERNO}
Path Parameters	ORDERNO: Sales order number
Methods Supported	GET
Description	Returns an instance of an existing sales order object

The following elements are required when validating whether a sales order exists within the system.

Field	Type	Description
SalesOrder	Object	Single data object containing all the various sales order variables
• CustomerAccountCode	String	The customer's account code
• OrderDate	Date	The date for when the order should be placed
• InvoiceDate	Date	The document's invoice date
• DocumentLines	Array	An object array of inventory type document lines
▪ StockCode	String	The inventory item code
▪ WarehouseCode	String	The warehouse code needs to be specified when warehouse item
▪ BarCode	String	The default barcode specified on the inventory item
▪ SerialNumber	String	A concatenated string array which contains the serial numbers
▪ TaxCode	String	Tax code to be used for the line item
▪ Quantity	Double	The default order line quantity
▪ ToProcess	Double	The order line quantity to be processed
▪ UnitPrice	Double	The item unit selling price
• DocumentFinancialLines	Array	An object array of general ledger type document lines
▪ AccountCode	String	The general ledger account code
▪ TaxCode	String	Tax code to be used for the financial line item
▪ Quantity	Double	The default order line quantity
▪ ToProcess	Double	The order line quantity to be processed

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Field	Type	Description
▪ UnitPrice	Double	The general ledger unit selling price

3. Process Sale Order Invoice

URL	/Freedom.Core/Freedom Database/SDK/SalesOrderProcessInvoice {SALESORDER}
Path Parameters	SALESORDER: Instance of a sales order object
Methods Supported	POST
Description	Create and process a new sales order invoice within the system

The following elements are required or optional with regards to processing an existing sales order as a sales invoice

Field	Type	Description	Required
SalesOrder	Object	Single data object containing all the various invoice variables	
• CustomerAccountCode	String	The customer's account code	✔
• OrderDate	Date	The date for when the invoice should be placed	✔
• InvoiceDate	Date	The document's invoice date	✔
• DocumentLines	Array	An object array of inventory type document lines	✘
▪ StockCode	String	The inventory item code	✔
▪ WarehouseCode	String	The warehouse code needs to be specified when warehouse item	✘
▪ BarCode	String	The default barcode specified on the inventory item	✘
▪ SerialNumber	String	A concatenated string array which contains the serial numbers	✘
▪ TaxCode	String	Tax code to be used for the line item	✘
▪ Quantity	Double	The default order line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✔
▪ UnitPrice	Double	The item unit selling price	✔
• DocumentFinancialLines	Array	An object array of general ledger type document lines	✘
▪ AccountCode	String	The general ledger account code	✔
▪ TaxCode	String	Tax code to be used for the financial line item	✘
▪ Quantity	Double	The default order line quantity	✔
▪ ToProcess	Double	The order line quantity to be processed	✔
▪ UnitPrice	Double	The general ledger unit selling price	✔

Initial Installation & Service Configuration

Step 1 – Installation

Follow the steps below to successfully install the Freedom service host.

Locate the **Setup.exe** file on the Evolution installation DVD. Double click on this file to start the installation process. The screen displays as follows:

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Click on the **Next** button. The screen displays as follows:

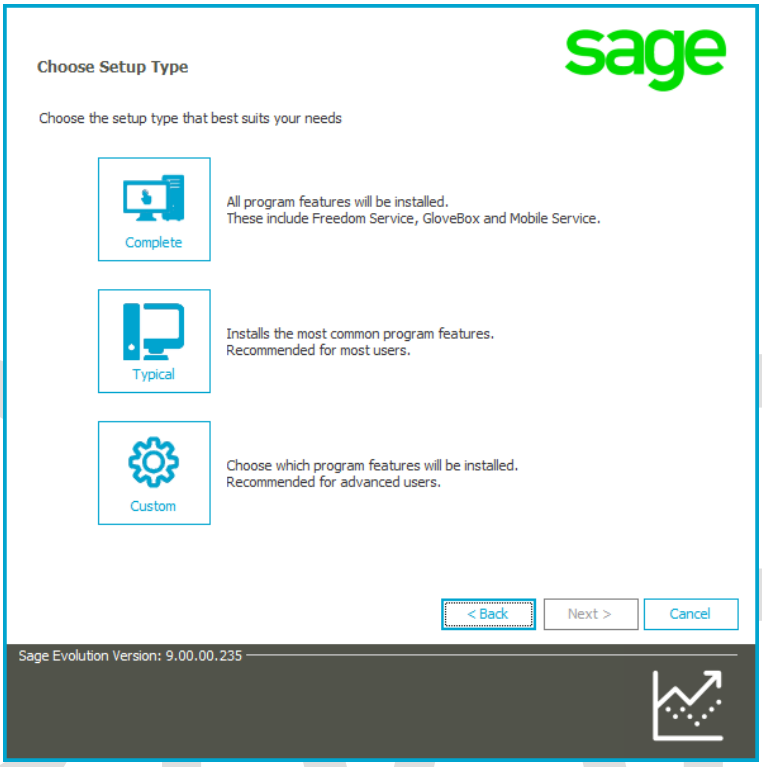


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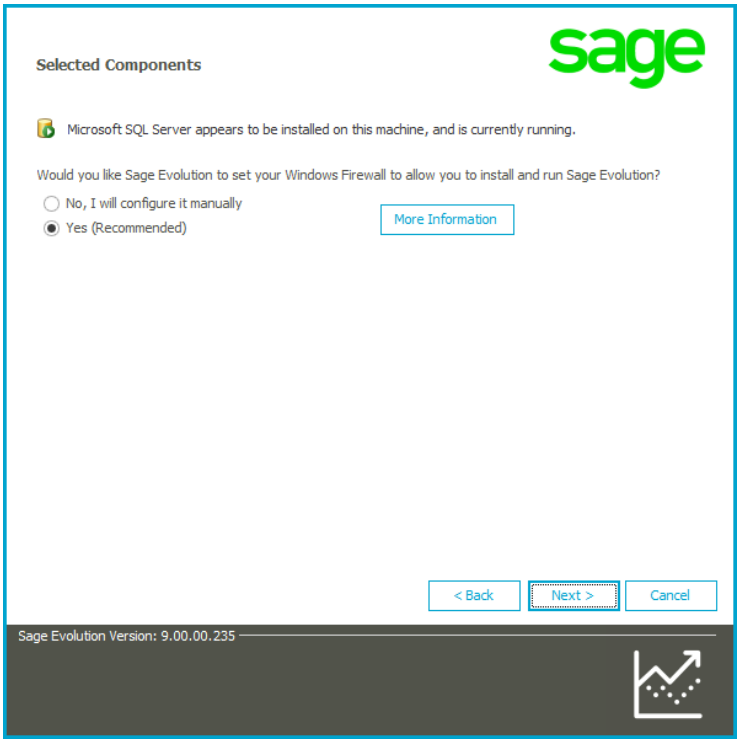
Specify the type of installation required. You will be able to select between the following options:

- Complete
- Typical
- Custom

If you have installed and / or upgraded Sage Evolution and only want to install the Freedom Service, select the **Custom** install type and press **Next**.



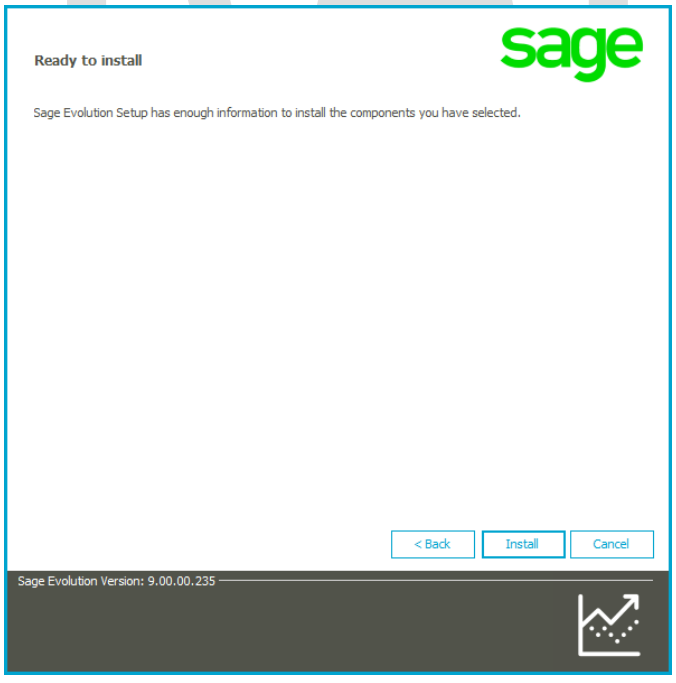
Select the recommended **Yes** option when asked for Windows Firewall settings and press **Yes**.



Under selected components, select the **Freedom Service** tick box and press **Next**.



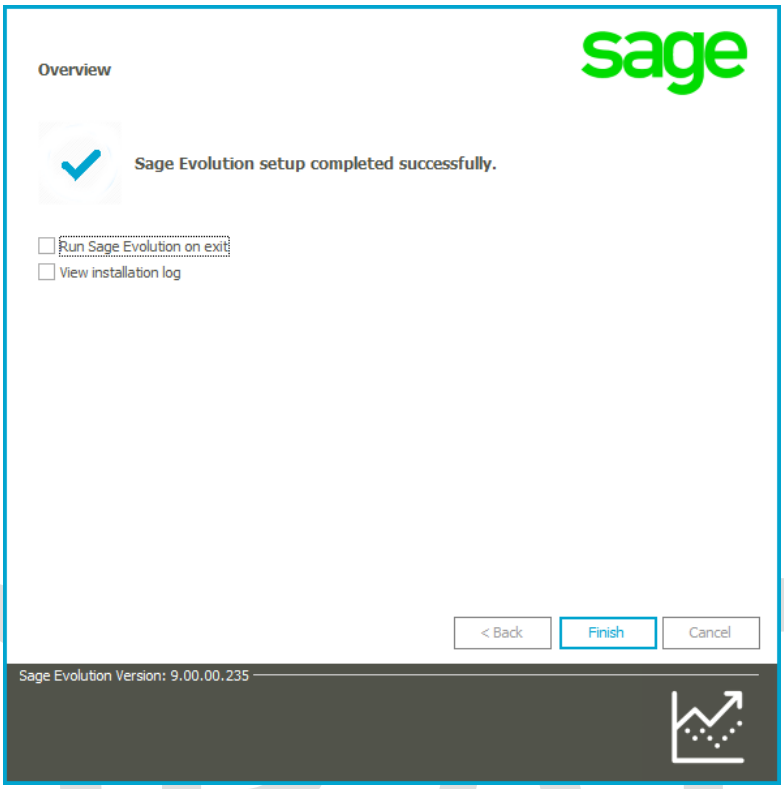
Click on the **Install** button to start the installation process.



The Freedom Service requires .NET version 4.5 as a prerequisite. The system will detect if this specific version of .NET framework is not installed and install it automatically.

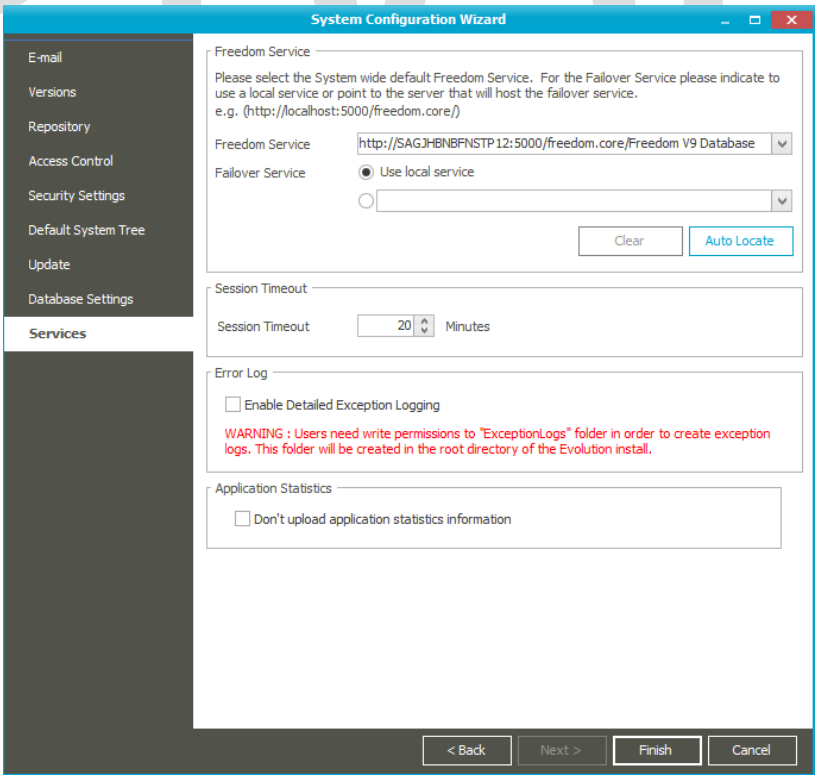
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The Freedom Service has been successfully installed.



Step 2 – Configuration

After successful installation of the Freedom Service it is required to configure both the Freedom as well as the failover service. From within your Sage Evolution company navigate to the **System Wizard**, by selecting the option from the **Administrator** menu option. Locate and select the **Services Tab.** The screen displays as follows:

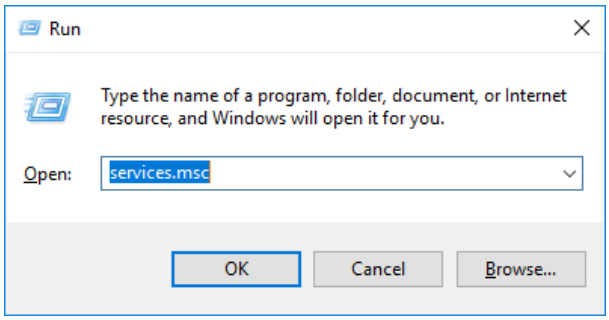


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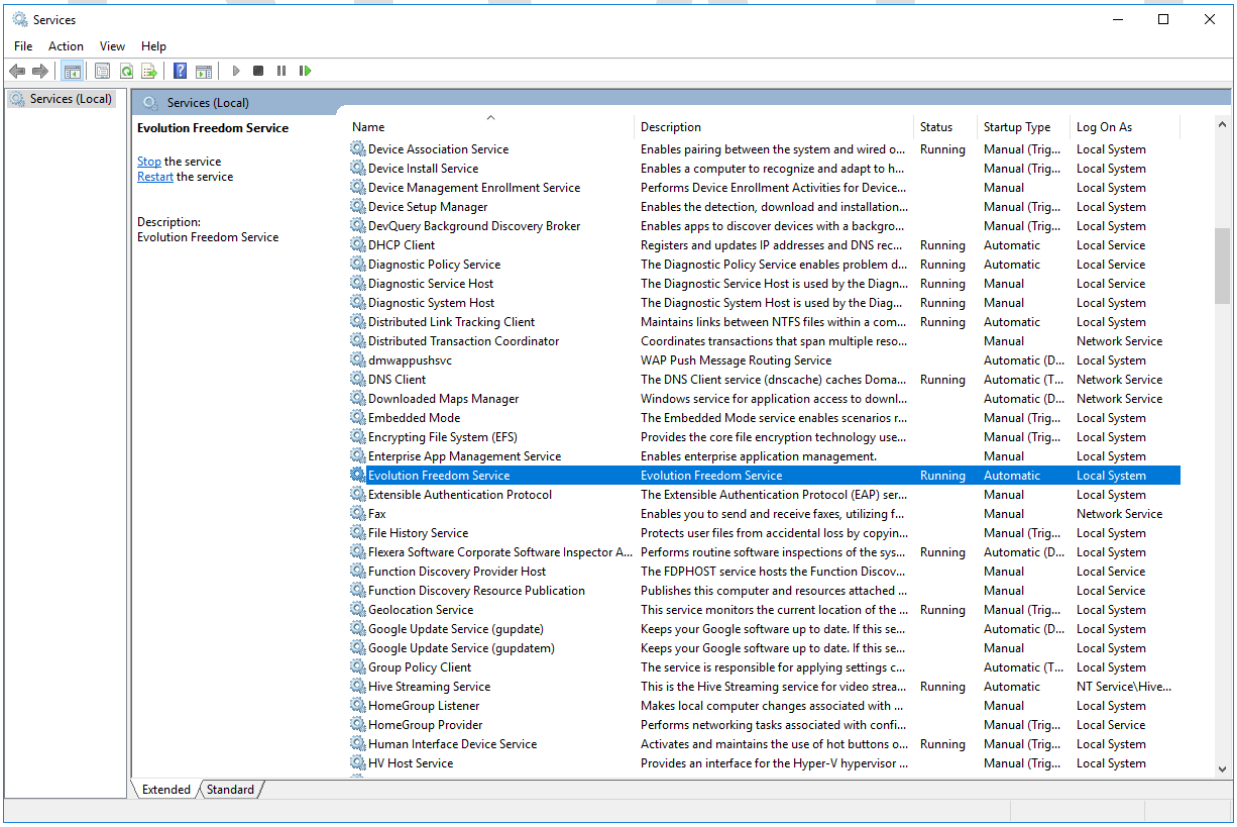
Enter the Freedom Service default information into the Freedom Service field. For the failover service indicate whether to use a local service or whether it will point to a different server.

Step 3 – Validating

To validate whether the Freedom Service is running successfully, open the **Windows Services Management Console** by executing the following command from the windows run command: **services.msc**



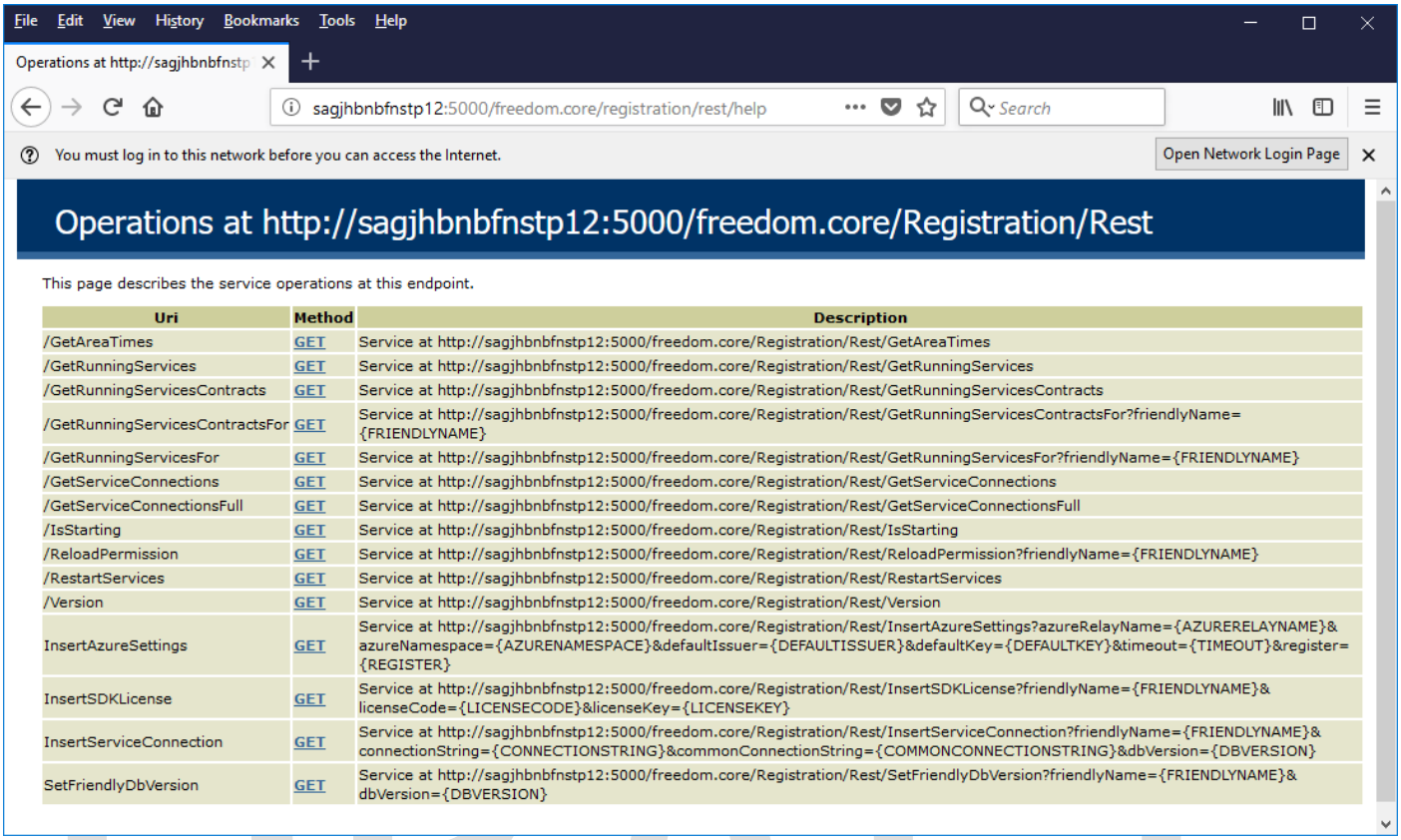
The following screen will appear. Search for the **Evolution Freedom Service** and validate whether the service is running.



From any web browser, enter the variable URL that has been specified earlier within the System Configuration Wizard.

Example: http://sagjhbnbfnstp12:5000/freedom.core/registration/rest/help

If the Freedom Service host is running and registered correctly, the following response will be returned via the browser.



Uri	Method	Description
/GetAreaTimes	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/GetAreaTimes
/GetRunningServices	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/GetRunningServices
/GetRunningServicesContracts	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/GetRunningServicesContracts
/GetRunningServicesContractsFor	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/GetRunningServicesContractsFor?friendlyName={FRIENDLYNAME}
/GetRunningServicesFor	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/GetRunningServicesFor?friendlyName={FRIENDLYNAME}
/GetServiceConnections	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/GetServiceConnections
/GetServiceConnectionsFull	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/GetServiceConnectionsFull
/IsStarting	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/IsStarting
/ReloadPermission	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/ReloadPermission?friendlyName={FRIENDLYNAME}
/RestartServices	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/RestartServices
/Version	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/Version
InsertAzureSettings	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/InsertAzureSettings?azureRelayName={AZURERELAYNAME}&azureNamespace={AZURENAMESPACE}&defaultIssuer={DEFAULTISSUER}&defaultKey={DEFAULTKEY}&timeout={TIMEOUT}&register={REGISTER}
InsertSDKLicense	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/InsertSDKLicense?friendlyName={FRIENDLYNAME}&licenseCode={LICENSECODE}&licenseKey={LICENSEKEY}
InsertServiceConnection	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/InsertServiceConnection?friendlyName={FRIENDLYNAME}&connectionString={CONNECTIONSTRING}&commonConnectionString={COMMONCONNECTIONSTRING}&dbVersion={DBVERSION}
SetFriendlyDbVersion	GET	Service at http://sagjhbnbfnstp12:5000/freedom.core/Registration/Rest/SetFriendlyDbVersion?friendlyName={FRIENDLYNAME}&dbVersion={DBVERSION}

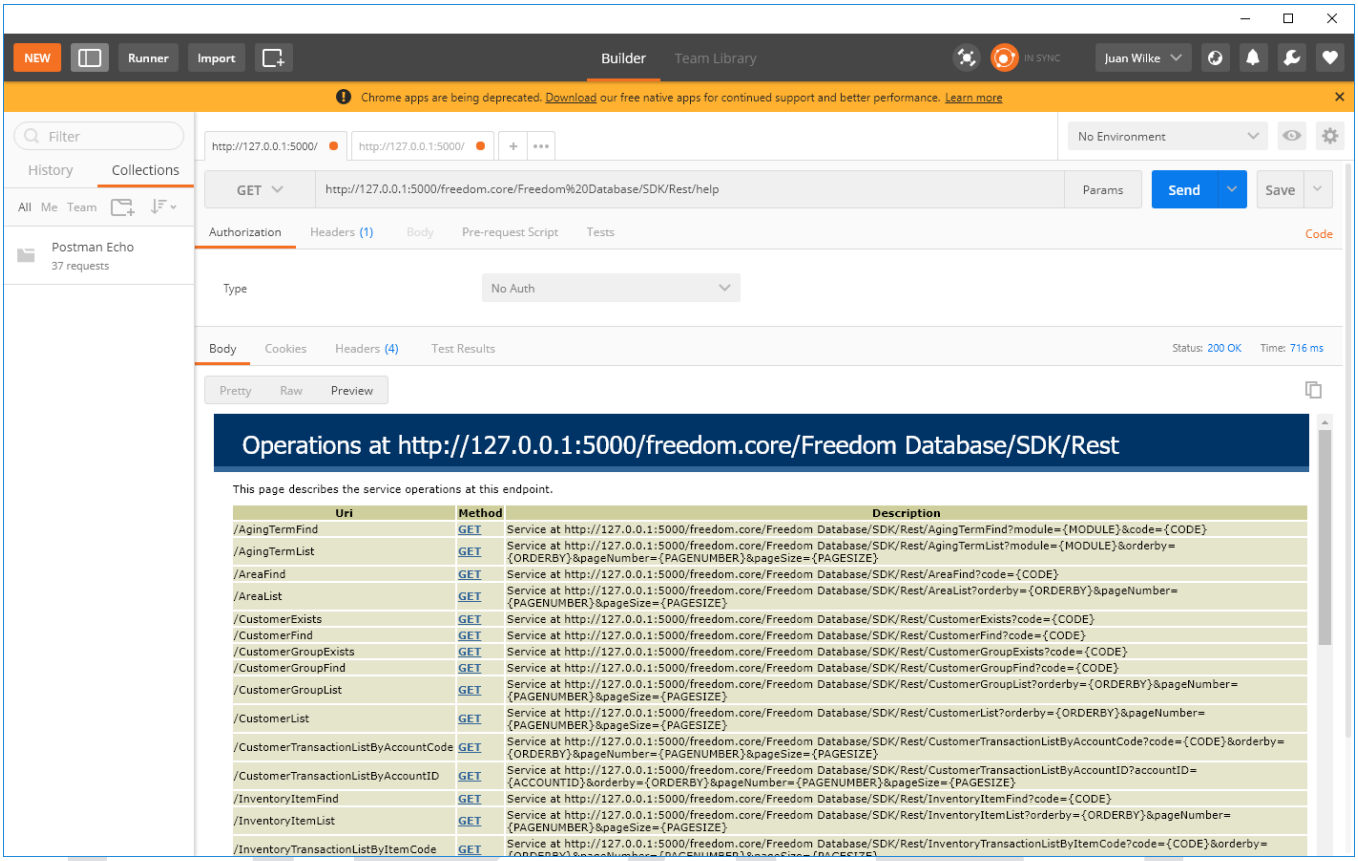
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Step 4 – Available REST Services

The installation of a third-party REST client can assist in identifying all the various REST service calls which can be made via the Freedom API extension service. **Postman** is a free to use add-on which is compatible with most web browser available in the market today.

Below is an example on how to return all the available REST service calls exposed via the Freedom extension service by making use of the **Postman** add-on within Google Chrome.

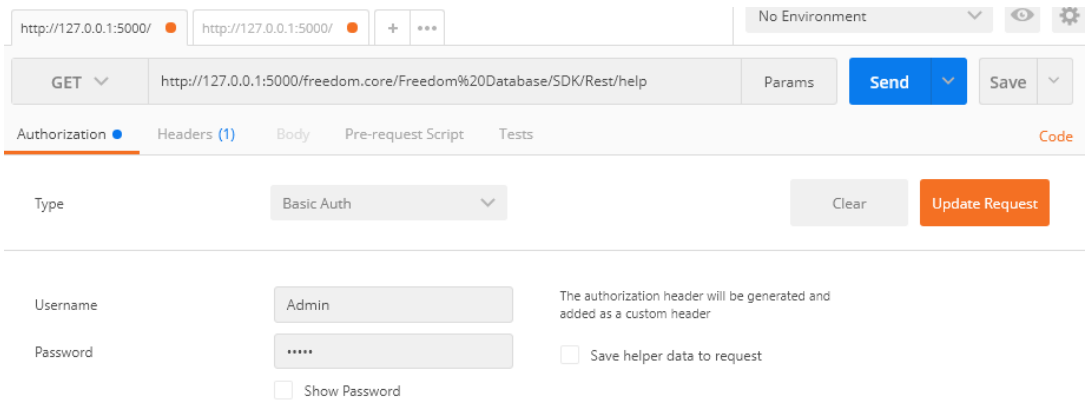
http://127.0.0.1:5000/freedom.core/Freedom Database/SDK/Rest/help



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Important Information

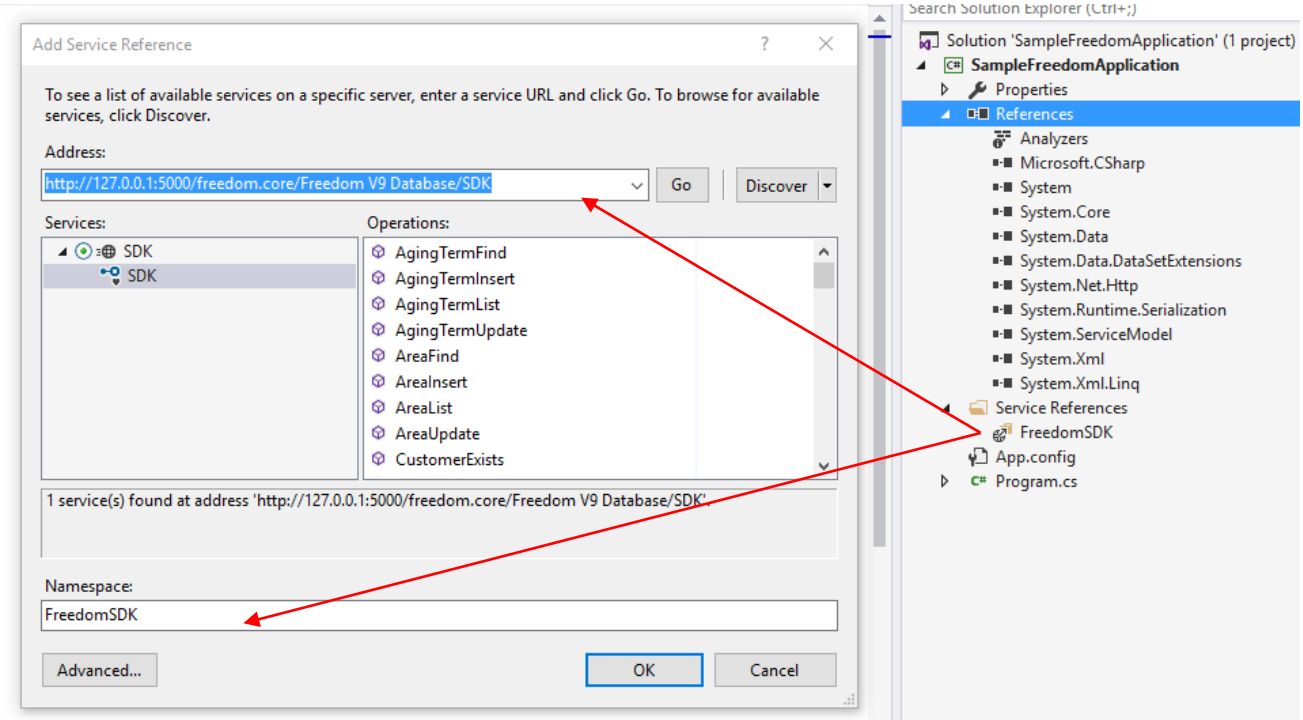
A basic authentication type needs to be specified before making any calls to the Freedom extension service. The username & password which need to be specified is the actual Sage Evolution agent name and agent password stored within the Sage Evolution company database.



Initialization & Code Samples

Step 1 – Adding a Service Reference

When using a .NET IDE, to reference the service merely involves opening your project and adding a service reference to the RESTful service itself.



Step 2 – Create a Simple RESTful Client

Below is a code sample on how to create a simple RESTful client to call the Freedom extension service from a .NET IDE.

```
public static void RESTClientExample(string userName, string password)
{
   SDKClient cl = new SDKClient("BasicHttpBinding_SDK");
   using (OperationContextScope scope = new OperationContextScope(cl.InnerChannel))
   {
      MessageHeader userNameHeader = MessageHeader.CreateHeader("UserName", "", userName);
      MessageHeader passwordNameHeader = MessageHeader.CreateHeader("Password", "", password);
      OperationContext.Current.OutgoingMessageHeaders.Add(userNameHeader);
      OperationContext.Current.OutgoingMessageHeaders.Add(passwordNameHeader);
      cl.Open();
      //sample code....
      cl.Close();
   }
}
```

Reminder

Add additional references to your project to be able to access the necessary .NET framework classes.

- FreedomSDK
- System.ServiceModel
- System.ServiceModel.Channels

1. Code Sample: Master Records

Below are code examples on how to create, edit and view existing master records via an API service call. Within this document we'll make use of the customer object to demonstrate how to access any of the master record types.

I. Add a new customer record

```
.............
cl.Open();
//Initiate new customer object.
CustomerDto customer = new CustomerDto()
{
   Code = "JWL001",
   Description = "Johannesburg Water & Lights",
   Active = true,
   ChargeTax = true,
   PhysicalAddress = new AddressDto() { Line1 = "101 Rocky Street", Line2 = "Hillbrow", PostalCode = "2038"}
};
//Append the customer object record.
ValidationResult result = cl.CustomerInsert(customer);
cl.Close();
```

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II. Edit an existing customer record

```
.........
cl.Open();
//Validate whether the customer exists.
bool exists = cl.CustomerExists("JWL001");
CustomerDto customer = null;
if (exists)
{
    customer = cl.CustomerFind("JWL001");
    customer.Description = "City Power";
    customer.PhysicalAddress.Line1 = "77 Rocky Street";
    //Update the customer object record.
    ValidationResult result = cl.CustomerUpdate(customer);
}
cl.Close();
```

III. Return a list of customer records

```
.........
cl.Open();
//List all various customer records.
var lstCustomers = cl.CustomerList("Account", 1, 10);
foreach (var customer in lstCustomers)
{
   Console.WriteLine($"Account: {customer.Code}\t Description: {customer.Description}");
 }
cl.Close();
```

2. Code Sample: Sales Order Documents

Below are code examples on how to create, edit and process sales order source documents via an API service call.

I. Place a new sales order

```
.....
cl.Open();
//Initiate order inventory lines as a list collection.
List<DocumentLineDto> lines = new List<DocumentLineDto>();
lines.Add(new DocumentLineDto() { StockCode = "Item", TaxCode = "1", Quantity = 3, UnitPrice = 10.50 });
lines.Add(new DocumentLineDto() { StockCode = "WH Item", WarehouseCode = "JHB", TaxCode = "1", Quantity = 1,
UnitPrice = 15.50 });
lines.Add(new DocumentLineDto() { StockCode = "SN Item", SerialNumbers = "ABC443,XYR917", TaxCode = "1", Quantity = 2,
UnitPrice = 20.30 });
//Initiate order ledger lines as a list collection.
List<DocumentFinancialLineDto> financialLines = new List<DocumentFinancialLineDto>();
financialLines.Add(new DocumentFinancialLineDto()
{ AccountCode = "Rent", TaxCode = "1", Quantity = 1, UnitPrice = 45.00 });
//Initiate the sales order document header.
SalesOrderDto order = new SalesOrderDto()
{
CustomerAccountCode = "CASH",
OrderDate = new DateTime(2017, 11, 29),
InvoiceDate = new DateTime(2017, 11, 30),
Lines = lines.ToArray(),
FinancialLines = financialLines.ToArray()
};
//Append the sales order document
ValidationResult result = cl.SalesOrderPlaceOrder(order);
cl.Close()
```

II. Process a new sales order invoice

```
.....
cl.Open();
 //Initiate order inventory lines as a list collection.
 List<DocumentLineDto> lines = new List<DocumentLineDto>();
 lines.Add(new DocumentLineDto() { StockCode = "Standard", TaxCode = "1", Quantity = 4, ToProcess = 4, UnitPrice = 10.50 });
 //Initiate order ledger lines as a list collection.
 List<DocumentFinancialLineDto> financialLines = new List<DocumentFinancialLineDto>();
 financialLines.Add(new DocumentFinancialLineDto()
 { AccountCode = "Rent", TaxCode = "1", Quantity = 1, ToProcess = 1, UnitPrice = 45.00 });
  //Initiate the sales order document header.
  SalesOrderDto order = new SalesOrderDto()
  {
      CustomerAccountCode = "CASH",
      OrderDate = new DateTime(2017, 11, 29),
      InvoiceDate = new DateTime(2017, 11, 30),
      Lines = lines.ToArray(),
      FinancialLines = financialLines.ToArray()
  };
  //Append the sales order document
  ValidationResult result = cl.SalesOrderPlaceOrder(order);
  cl.Close();
```

III. Edit an existing sales order

```
cl.Open();
 //Validate whether the sales order document exists
 bool exists = cl.SalesOrderExists("SO0129");
 ValidationResult result = null;
 //Load the sales order.
  if (exists)
  {
      SalesOrderDto salesOrderDto = cl.SalesOrderLoadByOrderNo("SO0129");
       if (salesOrderDto != null)
       {
           foreach (var line in salesOrderDto.Lines)
            line.ToProcess = line.Quantity;
        }
        result = cl.SalesOrderExistingProcessInvoice(salesOrderDto);
      }
      cl.Close();
```

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