

LivePOSAPI

Version Information

Document Version Information

Document Version #	Date	Author	Description
1.0	March 1, 2014	Lester Fernandez	
2.0	March 13, 2014	Lester Fernandez	
3.0	April 3, 2014	Lester Fernandez	

API Change Log

API Version #	Date	Changes
1.0	January 1, 2013	
2.0	February 1, 2014	API Revamp
		Added AuthenticateLivePOSAdminLogin
		Added GetCustomersByLocationAndDate
		Added GetEmployeeWorkHoursByLocationAndDate
		Added GetLocationInventory
		Added GetLocations
		Added GetProductCategories
		Added GetProductDetails
		Added GetProducts
		Added GetReceiptDetails
		Added GetReceipts
3.0	March 3, 2014	Changed authentication requirements for AuthenticateLivePOSAdminLogin, now needs APIApplicationID and APIApplicationKey
		Added GetCashRegisterActivityByLocationAndDate
		Added AddProductCategory
		Added AddProduct
		Added AddPurchaseOrder
3.1	March 14, 2014	Changed the name of "dDateTime" to "dtDateTime" in the return object of GetCashRegisterActivityByLocationAndDate
		Removed the Referer header requirement.

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3.2	April 3, 2014	Fixed an error when trying to get exchange and refund receipts via GetReceipts and GetReceiptDetails.
		Fixed a bug in GetEmployeeWorkHoursByLocationAndDate, intEmployeeID is now optional, as intended.
		Added an strCameraIP field to the result object of GetLocations,.
		Added a intRegionID parameter for GetLocations
		Added GetEmployees
		Added GetRegions
3.3	Oct. 26, 2014	Added AddWorkOrder
		Added AddSale
	Nov. 3, 2014	Added AddCustomer
		Added UpdateCustomer
		Added GetCustomersBySearch
		Added AddCustomerGroup
		Added UpdateCustomerGroup
		Added RemoveCustomerGroup
		Added RemoveProduct
		Added UpdateProduct
		Added UpdateLocationInventory
		Added GetEndOfDay
		Added GetWorkOrder
		Added GetPurchaseOrder
		Added ReceivePurchaseOrder
		Added AddClockIn
		Added GetEmployees
		Added GetLocationDailySalesSummary
		Added GetLocationInventoryBelowMinimum
		Added GetLocationNetSales
		Added GetReceiptsByLocationAndDate
		Added GetRegions
		Added UpdateLocationExternalID
		Added UpdateProductCategory
		Added UpdateProductStatus

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3.4	Jan. 6, 2015	Added AddSuspendedSale(upcoming)
		Added GetSuspendedSale(upcoming)
		Changes on GetWorkOrder, changes on field results – specifically on WorkOrderIntakeProducts (upcoming)

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Method Specifications

All methods/actions in LivePOSAPI can accept parameters as form-encoded (application/x-www-form-urlencoded) or JSON (application/json) data. All requests can only be sent using the POST method.

Required Headers

For logging in via `AuthenticateLivePOSAdminLogin`:

Header	Description
APIApplicationID	Application ID
APIApplicationKey	Application Key

For all the other methods/actions:

Header	Description
APISessionKey	The key returned by <code>AuthenticateLivePOSAdminLogin</code>

General Add/Update Response Object

Key	Data Type	Description
intResultID	Integer	Success: ID of newly created/updated object
		Fail/Error: ID of conflicting object
intErrorID	Integer	ID of error
strMessage	String	Error message
bHasError	Boolean	Determines whether the operation has an error or none

Authentication/Authorization Error Messages

Message	Description
Invalid admin credentials.	The given access keys or LivePOS account credentials are invalid.
The service is currently unavailable. Please try again later.	An internal server error has occurred.
The application is invalid/unauthorized.	The given access keys are invalid or the application has been disabled.
The service is busy. Please try again in a short while.	The service is experiencing heavy traffic.

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The admin account is not authorized to perform the action with the given parameters. Please contact your company admin.	The account owner is not authorized to view the requested information.
The session or action is invalid. The action may have been disabled or your session may have expired.	The action may have been disabled or your session may have expired.
The session is invalid. Please log-in again.	The session has expired.

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Methods/Actions

AddProductCategory

Add a product category.

Parameters

Parameter	Data Type	Description
strProductCategoryName	String(50), Required	Name of the category to add
intProductCategoryParentID	Integer, Required	ID of parent category, 0 if it has none

Response Messages

Error ID	Message	Reason
0	Successfully added a new product category.	
-2	The category already exists under the given parent category.	There is already an existing category with the same strProductCategoryName
-3	Invalid parent ID.	The given intProductCategoryParentID does not exist.

AddProduct

Add a product.

Parameters

Parameter	Data Type	Description
strProductSKU	String(50), required	SKU
strProductName	String(50), required	Name
intProductCategoryID	Integer, required	Category ID
intVendorID	Integer, required	Must have a value of 0 for versions 3.0 and below.
strProductDescription	String(50)	Description
strProductPartNumber	String(50)	Part Number
strProductStyleNumber	String(50)	Style Number
blsFixedPrice	Boolean, required	"True" if selling price is fixed on the POS
dblProductCost	Double, required	Cost

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dblProductDefaultPrice	Double, required	Default selling price whenever the product is added to a location's inventory for the first time
dblProductMinimumPrice	Double, required	Minimum selling price
intWarehouseInitialUnitsAvailable	Integer, required	Initial units in the main warehouse
bAddProductToAllLocationInventory	Boolean	"True" if the product is to be added immediately to all locations' inventory
intLocationsInitialUnitsAvailable	Integer, required	Initial units in every location inventory, used only when bAddProductToAllLocationInventory is "True"
intProductUnitsInPackage	Integer	Unit quantity in a package
dblProductPricePerPackage	Double	Package price

Response Messages

Error ID	Message	Reason
0	Successfully added a new product.	
-2	The SKU already exists.	There is already a product with the same strProductSKU
-3	Invalid category ID.	The given intProductCategoryID does not exist.
-4	Failed: Could not add the product.	Server-side error
-5	Failed: Could not add the inventory values.	Failed on updating inventory.
-6	Invalid vendor ID	The given intVendorID does not exist.

AddPurchaseOrder

Add a purchase order.

Parameters

Parameter	Data Type	Description
intLocationIDFrom	Integer, Required	The location that will ship the products
intLocationIDTo	Integer, Required	The location that will receive the products
bShipProducts	Boolean, Required	"False" if the purchase order is to be saved as draft
strRemarks	String(50)	Notes about the

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		purchase order
enumPurchaseOrderProducts	List< AddPurchaseOrderProduct >, at least one required	List of products
PurchaseOrderProduct		
intProductID	Integer, Required	Product ID
intProductUnits	Integer, Required	Units to request/ship from intLocationIDFrom

Response Messages

Error ID	Message	Reason
0	Successfully created the purchase order.	
-500x	Could not create the purchase order.	Server-side error

AuthenticateLivePOSAdminLogin

Log in with a LivePOS manager account, and get an identifying session key to be used for succeeding actions.

Parameters

Parameter	Data Type	Description
strAdminUserName	String(50), required	Username
strAdminPassword	String(50), required	Password
strAdminSecurityCode	String(50), required	Security Code

Response Object

Key	Data Type	Description
strAPISessionKey	String	Session Key
strAdminFirstName	String	First name of account owner
strAdminLastName	String	Last name of account owner

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GetCashRegisterActivityByLocationAndDate

Get cash register activity, given a location and date range.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
dtStartDate	DateTime (yyyy-mm-ddThh:mm:ss), Required	Preferred starting date
dtEndDate	DateTime (yyyy-mm-ddThh:mm:ss), Required	Preferred ending date

Response Object

Key	Data Type	Description
intLocationID	Integer	Location ID
intLaneID	Integer	Lane ID
intEmployeeID	Integer	The employee that made the action
dtDateTime	DateTime (yyyy-mm-ddThh:mm:ss)	Date and time of action
strEmployeeFirstName	String	First name of employee
strEmployeeLastName	String	Last name of employee
strActionType	String	Type of action (Money-count, money-in, money-out)
dblAmount	Double	Cash amount
strDiscrepancyDescription	String	Description of the resulting discrepancy
strComments	String	Comments made by employee
blsFromDeletedLane	Boolean	"True" if the transaction was made from a now-deleted lane

GetCustomersByLocationAndDate

Get customers given a location ID and date range.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
dtStartDate	DateTime (yyyy-mm-ddThh:mm:ss), Required	Preferred starting date
dtEndDate	DateTime (yyyy-mm-ddThh:mm:ss), Required	Preferred ending date

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Response Object

Key	Data Type	Description
intCustomerID	Integer	Customer ID
strCustomerFirstName	String	First name of employee
strCustomerLastName	String	Last name of employee
strCustomerAddress	String	Address
strCustomerCity	String	City
strCustomerState	String	State
strCustomerZIP	String	ZIP code
strCustomerEmail	String	E-mail address
strCustomerPhone	String	Phone number
intCustomerTransactionCount	Integer	Transaction count
strCustomerNotes	String	Notes/Remarks
intFirstReceiptNumber	Integer	Receipt number of first transaction

GetEmployeeWorkHoursByLocationAndDate

Get employee clock-in and clock-out records, given a date range. Search for records specific to the location and or employee by providing their respective IDs.

Parameters

Parameter	Data Type	Description
intLocationID	Integer	Location ID
intEmployeeID	Integer	Employee ID
dtStartDate	DateTime (yyyy-mm-ddThh:mm:ss), Required	Preferred starting date
dtEndDate	DateTime (yyyy-mm-ddThh:mm:ss), Required	Preferred ending date

Response Object

Key	Data Type	Description
intClockRecordID	Integer	Record ID
intEmployeeID	Integer	Employee ID
strEmployeeExternalID	String	External employee ID (Local company ID)
strEmployeeFirstName	String	First name of employee
strEmployeeLastName	String	Last name of employee

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intLocationID	Integer	Location ID
strLocationName	String	Location Name
dtClockIn	DateTime (yyyy-mm-ddThh:mm:ss)	Clock-in date
dtClockOut	DateTime (yyyy-mm-ddThh:mm:ss)	Clock-out date

GetLocationInventory

Get inventory information of the specified location, filtered by product category, whenever it is specified.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
intProductCategoryID	Integer	Category filter
strSearchKey	String(50)	Search keyword that filters by Item name / SKU

Response Object

Key	Data Type	Description
intProductID	Integer	Product ID
strProductSKU	String	SKU
blsFixedPrice	Boolean	"True" if the product is sold at a fixed price
strProductName	String	Product name
dblProductCost	Double	Cost
intUnitsAvailable	Integer	Available units
intMinimumUnits	Integer	Minimum units
dblProductPrice	Double	Default selling price
dblMinimumPrice	Double	Minimum price
intUnitsReserved	Integer	Units reserved in a purchase order
intUnitsToReceive	Integer	Units inbound from a purchase order
dblProductTax1	Double	Product tax in location
dblProductTax2	Double	2 nd product tax in location
dblProductTax3	Double	3 rd product tax in location

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bAlertIfBelowMinimumUnits	Boolean	If the product's intUnitsAvailable drops to intMinimumUnits and is set to "True", the product is included in the alert SMS/Email
bAutoPurchaseOrderIfBelowMinimumUnits	Boolean	"True" if the product is to be included in a nightly purchase order automatically when the intUnitsAvailable drop below intMinimumUnits
bIsTaxExempted	Boolean	"True" if the product is to be sold without applied taxes
intLocationID	Integer	Location ID
intProductCategoryID	Integer	Product category ID
strProductCategoryName	String	Product category name

GetLocations

Get a list of locations in the company, filtered by their status, whenever specified.

Parameters

Parameter	Data Type	Description
intLocationStatus	Integer	1 = Enabled locations 0 = Disabled locations
intRegionID	Integer	Region filter

Response Object

Key	Data Type	Description
intLocationID	Integer	Location ID
strLocationName	String	Location name
intLocationType	Integer	0 = Retail Location 1 = Main Warehouse 2 = Sub Warehouse
intLaneCount	Integer	Number of lanes in the location
intLocationStatus	Integer	1 = Enabled locations 0 = Disabled locations
strCameraIP	String	Camera IP address
strLocationExternalID	String	External location ID (Local company ID)

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GetProductCategories

Get the list of product categories in the company.

Parameters

None

Response Object

Key	Data Type	Description
strProductCategoryName	String	Category name
intProductCategoryID	Integer	Category ID
intProductCategoryParentID	Integer	Parent category ID

GetProductDetails

Get a specific product's details.

Parameters

Parameter	Data Type	Description
strProductSKU	String (50), required	Product SKU

Response Object

Key	Data Type	Description
intProductID	Integer	Product ID
strProductName	String	Product name
strProductDescription	String	Description
strProductSKU	String	Product SKU
intProductCategoryID	Integer	Product category ID
strProductCategoryName	String	Product category name
dblProductCost	Double	Cost
dblProductMinimumPrice	Double	Default minimum price whenever the product is added to a location's inventory for the first time
dblProductDefaultPrice	Double	Default selling price whenever the product is added to a location's inventory for the first time
intProductUnitsInPackage	Integer	Unit quantity in a package

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dblProductPricePerPackage	Double	Package price
bProductUseVariablePrice	Boolean	"True" if employees are allowed to sell the product at a variable price
strProductPartNumber	String	Part number
strProductStyleNumber	String	Style number
intProductVendorID	Integer	Vendor ID
strProductVendorName	String	Vendor name

GetProducts

Get a list of products in the company, filtered by category and/or status, whenever specified.

Parameters

Parameter	Data Type	Description
intProductCategoryID	Integer	Category ID
intProductStatus	Integer	1 = Enabled 0 = Disabled
strSearchKey	String(50)	Search keyword that filters by Item name / SKU

Response Object

Key	Data Type	Description
intProductID	Integer	Product ID
strProductName	String	Product name
strProductDescription	String	Description
strProductSKU	String	Product SKU
intProductStatus	Integer	Product status
intProductCategoryID	Integer	Product category ID
strProductCategoryName	String	Product category name

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GetReceiptDetails

Get a specific receipt's details.

Parameters

Parameter	Data Type	Description
intReceiptNumber	Integer, Required	Receipt number

Response Object

Key	Data Type	Description
intLaneID	Integer	Lane ID
intReceiptNumber	Integer	Receipt number
intLocationID	Integer	Location ID
strLocationCurrency	String	Currency
strLocationTimeZone	String	Time zone
intInvoiceNumber	Integer	Invoice number
dtTransactionDate	DateTime (YYYY-mm-ddThh:mm:ss)	Transaction date
dblGrandTotal	Double	Grand total (Net + Taxes)
dblTax1	Double	Tax 1
dblTax2	Double	Tax 2
dblTax3	Double	Tax 3
intPaymentTypeID	Integer	1 = Cash 2 = Credit Card 3 = Check 5 = Split (combination of different payments) 8 = Gift Card 9 = Custom Payment
strPaymentTypeLabel	String	Cash, Credit Card, Check, Gift Card, Custom Payment
intTransactionTypeID	Integer	0 = Sale 1 = Refund 2 = Exchange (different item) 3 = Exchange (same item)
strTransactionTypeLabel	String	Sale, Refund, Exchange

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intCustomerID	Integer	Customer ID
strCustomerFirstName	String	First name of customer
strCustomerLastName	String	Last name of customer
intReferenceReceiptNumber	Integer	Receipt number of previous transaction related to this receipt (usually for refunds and exchanges)
bValueAddedTax	Boolean	“True” if the selling price is already tax inclusive
bIsTaxExempted	Boolean	“True” if the product does not apply taxes
dblReturnedTotal	Double	Returned amount(usually for exchange transaction)
strLocationName	String	Location name
strLocationAddress	String	Location address where the transaction was made
enumEmployees	List< Employee >	List of employees
enumPayments	List< Payment >	List of payments
enumProductsSold	List< Product >	List of products sold
enumCouponDiscounts	List< Discount >	List of discounts
Employee		
intEmployeeID	Integer	Employee ID
strEmployeeFirstName	String	First name of employee
strEmployeeLastName	String	Last name of employee
Payment		
dblAmount	Double	Payment Amount
intPaymentTypeID	Integer	1 = Cash 2 = Credit Card 3 = Check 5 = Split (combination of different payments) 8 = Gift Card 9 = Custom Payment
strPaymentTypeLabel	String	Cash, Credit Card,

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		Check, Gift Card, Custom Payment
intCreditCardTypeID	Integer	1 = Master Card 2 = Visa 3 = American Express 4 = Diners Club 5 = Discover 6 = enRoute 7 = JCB 8 = BlankCard
strCreditCardTypeLabel	String	MasterCard, Visa, American Express, etc...
strCreditCardNumberLast4	String	Last 4 digits of the credit card number
strCreditCardExpiration	String	Credit card expiration date string
blsProcessedExternally	Boolean	"True" if the account used to process the payment is not associated with the location in LivePOS.
strCouponCode	String	Coupon code
strGiftCardCode	String	Gift card code
strCustomPaymentName	String	Custom payment name
strAuthorizationTransactionID	String	Credit card transaction ID
strAuthorizationCode	String	Credit card authorization code
Product		
intProductID	Integer	Product ID
strProductSKU	String	Product SKU
strProductName	String	Product Name
intProductSoldUnits	Integer	Units sold
dblProductSoldNetPrice	Double	Net amount (before taxes)
dblProductSoldTotalTax1	Double	Tax 1 amount
dblProductSoldTotalTax2	Double	Tax 2 amount
dblProductSoldTotalTax3	Double	Tax 3 amount

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enumSerialNumbers	List< ProductSerialNumbers >	List of serial numbers
ProductSerialNumbers		
strSerialNumber	String	Serial number
blsReturned	Boolean	"True" if the product is refunded/exchanged
Discount		
strCouponCode	String	Coupon code
strCouponTargetType	String	Per Sale, Per Product, Per Category
intItemID	Integer	Target Product ID, 0 if coupon is applied Per Sale
intCouponID	Integer	Coupon ID
dblDiscountAmount	Double	Discount amount

GetReceipts

Get a list of receipts in a location, on the specified date.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
dReportDate	Date (YYYY-mm-dd), Required	Date

Response Object

Key	Data Type	Description
intLaneID	Integer	Lane number
intReceiptNumber	Integer	Receipt number
intLocationID	Integer	Location ID
intInvoiceNumber	Integer	Invoice number
dtTransactionDate	DateTime (YYYY-mm-ddThh:mm:ss)	Transaction date
dblGrandTotal	Double	Grand total (Net + Taxes)
dblTax1	Double	Tax 1
dblTax2	Double	Tax 2

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dblTax3	Double	Tax 3
strPaymentTypeLabel	String	Cash, Credit Card, Check, Gift Card, Custom Payment
strTransactionTypeLabel	String	Sale, Refund, Exchange
intReferenceReceiptNumber	Integer	Receipt number of previous transaction related to this receipt (usually for refunds and exchanges)
intCustomerID	Integer	Customer ID

AddWorkOrder

Add a work order.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
intLaneID	Integer, Required	Lane ID
intWorkOrderStatus	Integer, Required	0 = Draft 1 = Pending 2 = In Progress 3 = Completed 4 = Cancelled 5 = Deleted 6 = Ready for Pickup
intClientID	Integer, Required	Client ID
intAlertType	Integer	0 = None 1 = SMS 2 = Email
strMobileNumber	String(50)	Mobile number
strEmail	String(255)	Email address
strCarrier	String(50)	Carrier
enumEmployeeID	List< AddTransactionEmployee >, at least one required	List of employees
enumWorkOrderIntake	List< AddWorkOrderIntake >	List of work order intakes
AddTransactionEmployee		

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intEmployeeID	Integer, Required	Employee ID
dblEmployeeSalesPercentage	Double	Sales percentage per employee
AddWorkOrderIntake		
strIntakeName	String(100), Required	
strIntakeDescription	String(200)	
strIntakeSerialNumber	String(100)	
intIntakeStatus	Integer, required	0 = Pending 1 = In Process 2 = Ready for Pickup 3 = Done
strIntakeDoneComments	String(500)	
strIntakePendingComments	String(500)	
enumWorkOrderIntakeProducts	List<AddWorkOrderIntakeProducts>	List of products per Intake
AddWorkOrderIntakeProducts		
intProductID	Integer, Required	Product ID
intProductUnits	Integer, Required	Product Units
dblProductPrice	Double, Required	Product Price

Response Object

Error ID	Message	Reason
0	Successfully created the work order.	
-1	Invalid lane ID.	The given intLaneID does not exist
-2	Invalid employee ID.	The given intEmployeeID does not exist
-3	Invalid item ID.	The given intProductID does not exist
-4	Invalid item price.	The given dblProductPrice has a fixed price.
-5000	Failed: Internal error.	Server-side error

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AddSale

Add a sale.

Parameters

Parameter	Data Type	Description
intClientID	Integer, required	Client ID
intLaneID	Integer, required	Lane ID
blsLocationTaxExempt	Boolean, required	"True" if location is tax exempted.
intLocationID	Integer, required	Location ID
enumEmployees	List<AddTransactionEmployee>, at least one required	List of employees
enumProducts	List<AddTransactionProducts>	List of products
enumPayments	List<AddSalePayment>, as least one required	List of payments
enumDiscount	List<AddTransactionDiscount>	List of discounts
AddTransactionEmployee		
intEmployeeID	Integer, required	Employee ID
dblEmployeeSalesPercentage	Double	Sales percentage Note: Sales Percentage must be a summation of 100% for all employees included in the sale.
AddTransactionProducts		
intProductID	Integer, required	Product ID
intProductUnits	Integer, required	Product units
dblProductPrice	Double, required	Product price
intProductUnitsInPackage	Integer	Unit quantity in a package
dblProductPricePerPackage	Double	Package price
blsTaxExempt	Boolean, required	"True" if the product is not applied taxes
dblTaxPerc1	Double, required	Tax 1
dblTaxPerc2	Double, required	Tax 2
dblTaxPerc3	Double, required	Tax 3

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enumSerialNumbers	List<string>	List of serial number
AddSalePayment		
intPaymentTypeID	Integer, required	1 = Cash 2 = Credit Card 3 = Check 8 = Gift Card
intCreditCardTypeID	Integer, required(Credit Card)	0 = Not Available 1 = Master Card 2 = Visa 3 = Amex 4 = Diners Club 5 = Discover 6 = enRoute 7 = JCB 8 = Bank Card
blsExternalCC	Boolean, required(Credit Card)	“True” if the account used to process the payment is not associated with the location in LivePOS.
dblAmount	Double, required	Payment amount
strCreditCardNumberLast4	String, required(Credit Card)	Last 4 digits of the credit card number
strCreditCardExpiration	String, required(Credit Card)	Credit card expiration date string
strGiftCardCode	String, required(Gift Card)	Gift card code
strGiftCardPIN	String, required(Gift Card)	Gift card PIN
strAuthorizationTransactionID	String, required(Credit Card)	Credit card authorization transaction ID
strAuthorizationCode	String, required(Credit Card)	Credit card authorization code
strCheckNumber	String, required(Check)	Check number
strCheckLicenseNumber	String, required(Check)	Check license number
strCheckState	String, required(Check)	Check state
AddTransactionDiscount		

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intDiscountType	String, required	7 = Coupon
strDiscountCode	String, required(Coupon)	Discount code

Response Object

Error ID	Message	Reason
0	Successfully added a new sale.	
-5000	Failed: Internal error.	Server-side error

AddCustomer

Add a customer.

Parameters

Parameter	Data Type	Description
strEmail	String(50)	Customer's email address
strPhone	String(50)	Customer's phone number
strFirstName	String(50)	Customer's first name
strLastName	String(50)	Customer's last name
strAddress	String(50)	Customer's address
strCity	String(50)	Customer's city
strState	String(50)	Customer's state
strZIP	String(50)	Customer's ZIP code
strNotes	String(250)	Customer's notes
dtBirthDate	Date (YYYY-mm-dd)	Customer's birthdate

Response Object

Error ID	Message	Reason
0	Successfully added the customer.	
-2	There is an existing record that conflicts with the given e-mail or phone number.	The given strEmail or strPhone already exists.
-5000	Failed: Internal error.	Server-side error

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UpdateCustomer

Update a customer.

Parameters

Parameter	Data Type	Description
intCustomerID	Integer, Required	Customer ID
strCustomerEmail	String(50)	Customer's email address
strCustomerPhone	String(50)	Customer's phone number
strCustomerFirstName	String(50)	Customer's first name
strCustomerLastName	String(50)	Customer's last name
strCustomerAddress	String(50)	Customer's address
strCustomerCity	String(50)	Customer's city
strCustomerState	String(50)	Customer's state
strCustomerZIP	String(50)	Customer's ZIP code
strCustomerNotes	String(250)	Customer's notes
dtCustomerBirthDate	Date (YYYY-mm-dd)	Customer's birthdate

Response Object

Error ID	Message	Reason
0	Successfully updated customer.	
-1	Invalid customer ID.	The given intCustomerID does not exist.
-2	There is an existing record that conflicts with the given e-mail or phone number.	The given strEmail or strPhone already exists.
-5000	Failed: Internal error.	Server-side error

GetCustomersBySearch

Get customer(s) details.

Parameters

Parameter	Data Type	Description
strFirstName	String(50)	Customer's first name
strLastName	String(50)	Customer's last name
strEmail	String(50)	Customer's email address

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strPhone	String(50)	Customer's phone number
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Response Object

Key	Data Type	Description
intCustomerID	Integer	Customer ID
strCustomerFirstName	String	Customer's first name
strCustomerLastName	String	Customer's last name
strCustomerAddress	Integer	Customer's address
strCustomerEmail	Integer	Customer's email address
strCustomerPhone	String	Customer's phone number
strCustomerBirthdate	DateTime	Customer's birthdate

AddCustomerGroup

Add a customer group.

Parameters

Parameter	Data Type	Description
strGroupName	String(50), Required	Group name
strGroupDescription	String(500)	Group's description
strGroupAddress1	String(50)	Group's address 1
strGroupAddress2	String(50)	Group's address 2
strGroupState	String(50)	Group's state
strGroupCity	String(50)	Group's city
strGroupZip	String(50)	Group's ZIP code
strGroupCountry	String(50)	Group's country
strContactName	String(50)	Contact person's name
strContactEmail	String(50)	Contact person's email address
strContactPhone	String(50)	Contact person's phone number
enumCustomerID	List<AddCustomerGroupCustomers>	List of customer ID
AddCustomerGroupCustomers		

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intCustomerID	Integer	Customer ID
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Response Object

Error ID	Message	Reason
0	Successfully added a new group.	
-5000	Failed: Internal error.	Server-side error

UpdateCustomerGroup

Update a customer group.

Parameters

Parameter	Data Type	Description
intGroupID	Integer, Required	Group ID
strGroupName	String(50)	Group name
strGroupDescription	String(500)	Group's description
strGroupAddress1	String(50)	Group's address 1
strGroupAddress2	String(50)	Group's address 2
strGroupState	String(50)	Group's state
strGroupCity	String(50)	Group's city
strGroupZip	String(50)	Group's ZIP code
strGroupCountry	String(50)	Group's country
strContactName	String(50)	Contact person's name
strContactEmail	String(50)	Contact person's email address
strContactPhone	String(50)	Contact person's phone number
enumCustomerID	List<AddCustomerGroupCustomers>	List of customer ID
AddCustomerGroupCustomers		
intCustomerID	Integer	Customer ID

Response Object

Error ID	Message	Reason
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0	Successfully updated group.	
-1	Invalid group ID.	The given intGroupID does not exist.
-2	Group name already exists.	The given strGroupName already exists.
-3	Invalid group ID and group name already exists	The given intGroupID does not exist and strGroupName already exists.
-5000	Failed: Internal error.	Server-side error

RemoveCustomerGroup

Remove a customer group.

Parameters

Parameter	Data Type	Description
intGroupID	Integer, Required	Group ID

Response Object

Error ID	Message	Reason
0	Successfully deleted group.	
-1	Invalid group ID.	The given intGroupID does not exist.
-2	Failed: Cannot delete a customer group with customer(s) assigned to it.	The customer group has customer(s) assigned to it.
-5000	Failed: Internal error.	Server-side error

RemoveProduct

Remove a product.

Parameters

Parameter	Data Type	Description
intProductID	Integer, Required	Product ID

Response Object

Error ID	Message	Reason
0	Successfully deleted product.	

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-1	Invalid product ID.	The given intProductID does not exist.
-5000	Failed: Internal error.	Server-side error

UpdateProduct

Update a product.

Parameters

Parameter	Data Type	Description
intProductID	Integer, Required	Product ID
strProductSKU	String(50), Required	Product SKU
strProductName	String(50), Required	Product name
strProductDescription	String(50)	Product description
strProductStyleNumber	String(50)	Product style number
strProductPartNumber	String(50)	Product part number
intVendorID	Integer, Required	Vendor ID
intProductCategoryID	Integer, Required	Category ID
dblProductCost	Double, Required	Product cost
bIsFixedPrice	Boolean, Required	"True" if the product is sold at a fixed price
bApplyPriceToAllLocations	Boolean, Required	"True" if selling price is applied to all locations
dblProductDefaultPrice	Double, Required	Product default price
dblProductMinimumPrice	Double, Required	Product minimum price
intProductUnitsInPackage	Integer	Unit quantity in a package
dblProductPricePerPackage	Double	Package price

Response Object

Error ID	Message	Reason
0	Success: Updated the product.	
-1	Invalid group ID.	The given intProductID does not exist.
-2	The SKU already exists.	The given strProductSKU already exists.

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-3	Invalid category ID.	The given intProductCategoryID does not exist.
-4	Failed: Could not update the product.	Server side error.
-5	Failed: Could not update the inventory.	Failed on updating inventory.
-6	Invalid vendor ID.	The given intVendorID does not exist.

UpdateLocationInventory

Update an inventory per location.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
intProductID	Integer, Required	Product ID
intMinimumUnits	String(50), Required	Minimum units
intUnitsAvailable	String(50), Required	Available units
dblProductPrice	Double, Required	Default selling price
dblProductTax1	Double, Required	Product tax in location
dblProductTax2	Double, Required	2 nd product tax in location
dblProductTax3	Double, Required	3 rd product tax in location
dblMinimumPrice	Double, Required	Minimum price
bAlertIfBelowMinimumUnits	Boolean, Required	"If the product's intUnitsAvailable drops to intMinimumUnits and is set to "True", the product is included in the alert SMS/Email
bAutoPurchaseOrderIfBelowMinimumUnits	Boolean, Required	"True" if the product is to be included in a nightly purchase order automatically when the intUnitsAvailable drop below intMinimumUnits
blsFixedPrice	Boolean, Required	"True" if the product is sold at a fixed price
blsTaxExempted	Boolean, Required	"True" if the product is to be sold without applied taxes

Response Object

Error ID	Message	Reason
1	Successfully updated the location inventory.	
-1	Could not find the	The given intProductID does not exist.

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	product with the given product and company IDs.	
-500	Internal Server Error.	Server side error.

GetEndOfDay

Get summary of sales for the current day.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
intLaneID	Integer	Lane ID

Response Object

Key	Data Type	Description
strLocationName	String	Location name
intLocationID	Integer	Location ID
strDate	String	Date when end of day was pulled
strTotalCash	String	Total cash amount within the day with cash's transaction count
strTotalCreditCard	String	Total credit card amount within the day with credit card's transaction count
strTotalCheck	String	Total check amount within the day with check's transaction count
strTotalGiftCard	String	Total gift card amount within the day with gift card's transaction count
strTotalCoupon	String	Total coupon amount within the day with coupon's transaction count
dblTotalRefund	Double	Total refund amount
dblTotalExchange	Double	Total exchange

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		amount
dblTotalGross	Double	Total gross amount (net + taxes)
dblTotalNet	Double	Total net amount (before taxes)
enumProductSoldSummary	List<EndOfDayProductSummary>	List of sold products
enumProductRefundSummary	List<EndOfDayProductSummary>	List of refunded products
enumProductExchangeSummary	List<EndOfDayProductSummary>	List of exchanged products
enumProductDemoExchangeSummary	List<EndOfDayProductSummary>	List of demo exchanged products
enumProductDamageSummary	List<EndOfDayProductSummary>	List of damaged products
enumProductMissingSummary	List<EndOfDayProductSummary>	List of missing products
EndOfDayProductSummary		
enumProductSummaryDetails	List<EndOfDayProductSummaryDetails>	List of products with their respective units
intProductTotalUnits	Integer	Total units
EndOfDayProductSummaryDetails		
strProductName	String	Product name
intProductUnits	Integer	Product units

GetWorkOrder

Get work order details.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
intWorkOrderID	Integer, Required	Work order ID

Response Object

Key	Data Type	Description
intWorkOrderOrderNumber	Integer	Work order number

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intWorkOrderStatus	Integer	0 = Draft 1 = Pending 2 = In Progress 3 = Completed 4 = Cancelled 5 = Deleted 6 = Ready for Pickup
intWorkOrderAlertType	Integer	0 = None 1 = SMS 2 = Email
strWorkOrderMobileNumber	String	Mobile number
strWorkOrderCarrier	String	Carrier
strWorkOrderEmailAddress	String	Email address
dtWorkOrderDateCreated	DateTime (YYYY-mm-ddThh:mm:ss)	Date when the work order was created
dtWorkOrderDateModified	DateTime (YYYY-mm-ddThh:mm:ss)	Date when the work order was last modified
bWorkOrderIsUKTaxing	Boolean	"True" if the work order is already tax inclusive
enumWorkOrderIntake	List< WorkOrderIntake >	List of intakes
enumWorkOrderPayments	List< WorkOrderPayment >	List of payments
enumWorkOrderInvoice	List< WorkOrderInvoice >	List of invoices
WorkOrderIntake		
intIntakeID	Integer	Intake ID
strIntakeName	String	Intake name
strIntakeDescription	String	Intake description
strIntakeSerialNumber	String	Intake serial number
strIntakeDoneComments	String	Intake done comments
strIntakePendingComments	String	Intake pending comments
intLaborStatus	Integer	0 = Pending 1 = In Process

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		2 = Ready for Pickup 3 = Done
enumWorkOrderIntakeProducts	List< WorkOrderIntakeProducts >	List of products per intake
WorkOrderIntakeProducts		
intIntakeProductLaborID	Integer	Labor ID
intIntakeProductItemID (to be replaced in next version)	Integer	Item ID
intIntakeProductID (will replace intIntakeProductItemID)	Integer	Product ID
intIntakeProductItemUnits (to be replaced in next version)	Integer	Item units
intIntakeProductUnits (will replace intIntakeProductItemUnits)	Integer	Product units
dblIntakeProductItemPrice (to be replaced in next version)	Double	Item price
dblIntakeProductPrice (will replace dblIntakeProductItemPrice)	Double	Product price
dblIntakeProductTax1	Double	Tax 1
dblIntakeProductTax2	Double	Tax 2
dblIntakeProductTax3	Double	Tax 3
bIntakeProductIsTaxExempted	Boolean	"True" if the product does not apply taxes
dblIntakeProductPackagePrice	Double	Unit quantity in a package
intIntakeProductPackageUnits	Integer	Package price
WorkOrderPayment		
intPaymentType		1 = Cash 2 = Credit Card 3 = Check 8 = Gift Card

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dblPaymentAmount		Payment amount
dblAmountReturned		Amount returned(usually for refund transaction)
strCreditCardNumber		Last 4 digits of the credit card number
intCreditCardType		0 = Not Available 1 = Master Card 2 = Visa 3 = Amex 4 = Dinners Club 5 = Discover 6 = enRoute 7 = JCB 8 = Bank Card
strCreditCardExpirationDate		Credit card expiration date string
blsExternalCreditCard		“True” if the account used to process the payment is not associated with the location in LivePOS.
strCheckNumber		Check number
strCheckLicense		Check license number
strCheckState		Check state
intGiftCardID		Gift card ID
intCouponID		Coupon ID
intCustomPaymentID		Custom payment ID
strAuthorizationCode		Credit card authorization code
strTransactionID		Credit card authorization transaction ID
strComment		Comments/remarks
dtDateCreated		Date when the payment was created

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WorkOrderInvoice		
intInvoiceOrderNumber	Integer	Product name
intInvoiceNumber	Integer	Product units
intInvoiceStatus	Integer	0 = Open 1 = Close
intInvoicePaymentStatus	Integer	0 = No Payment 1 = Partially Paid 2 = Fully Paid
dtlInvoiceDateCreated	DateTime (YYYY-mm-ddThh:mm:ss)	Date when the invoice was created
dtlInvoiceDateModified	DateTime (YYYY-mm-ddThh:mm:ss)	Date when the invoice was last updated

GetPurchaseOrder

Get purchase order details.

Parameters

Parameter	Data Type	Description
intPurchaseOrderID	Integer, Required	Purchase Order ID

Response Object

Key	Data Type	Description
intPurchaseOrderFromLocationID	Integer	The location that will ship the products
intPurchaseOrderToLocationID	Integer	The location that will receive the products
intPurchaseOrderStatus	Integer	0 = Failed 1 = New Order 2 = In Transit 3 = Incomplete 4 = Completed 5 = Reserved 6 = Cancelled
dtPurchaseOrderCreatedDate	Integer	Date when the purchase

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		order was created
strPurchaseOrderSendByPerson	DateTime (YYYY-mm-ddThh:mm:ss)	Person who send the purchase order
dtPurchaseOrderShippingDate	Double	Date when the purchase order was shipped
strPurchaseOrderCreatedBy	Double	Employee who created the purchase order
enumPurchaseOrderItems	List< PurchaseOrderItems >	List of purchase order items
PurchaseOrderItems		
intPurchaseOrderItemID	Integer	Product ID
intPurchaseOrderItemUnitsReceived	Integer	Units received from intLocationIDFrom
intPurchaseOrderItemUnitsRequested	Integer	Units to request/ship from intLocationIDFrom

ReceivePurchaseOrder

Receive a purchase order.

Parameters

Parameter	Data Type	Description
intPurchaseOrderID	String(50), Required	Purchase order ID
enumPurchaseOrderProducts	List< ReceivePurchaseOrderProducts >	List of purchase order products
ReceivePurchaseOrderProducts		
intPurchaseOrderProductID	Integer, Required	Product ID
intPurchaseOrderProductUnitsReceived	Integer, Required	Units to receive from intLocationIDFrom

Response Object

Error ID	Message	Reason
0	Completely received purchase order	
1	Incompletely receive purchase order	
-1	Invalid purchase order id.	

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-2	Cannot receive purchase order that is not in transit.	
-3	Invalid item(s) for purchase order.	
-5000	Failed: Internal error.	Server side error

AddClockIn

Add an employee's clock in.

Parameters

Parameter	Data Type	Description
intEmployeeID	Integer, Required	Employee ID
intLocationID	Integer, Required	Location ID
intLaneNumber	Integer, Required	Lane Number
dtClockIn	DateTime (YYYY-mm-ddThh:mm:ss)	Employee's clock in

Response Object

Error ID	Message	Reason
0	Successfully added an employee clock-in.	
-2	There is an existing record that conflicts with the given date/time.	The given dtClockIn could be one of the following: <ul style="list-style-type: none"> • is between In and Out Record • is before an existing clock-in • is after a clock-in without a clock-out
-3	Invalid lane.	The given intLaneNumber is invalid.
-4	Invalid employee ID.	The given intEmployeeID is invalid.
-5	Unable to process the request.	Server-side error

GetEmployees

Get employees per company.

Parameters

Parameter	Data Type	Description
intEmployeeStatus	Integer, Required	0 = Active 1 = Inactive

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Response Object

Key	Data Type	Description
intEmployeeID	Integer	Employee ID
strEmployeeExternalID	Integer	Employee's external ID
strEmployeeFirstName	Integer	Employee's first name
strEmployeeLastName	Integer	Employee's last name

GetLocationDailySalesSummary

Get summary of location's daily sales.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
intRegionID	Integer, Required	Region ID
dStartDate	DateTime (YYYY-mm-ddThh:mm:ss)	Preferred starting date
dEndDate	DateTime (YYYY-mm-ddThh:mm:ss)	Preferred ending date

Response Object

Key	Data Type	Description
intLocationID	Integer	Location ID
strLocationName	String	Location name
strLocationCurrency	String	Location's currency
dblNetSales	Double	Net sales
dblGrossSales	Double	Gross sales
dDate	DateTime (YYYY-mm-ddThh:mm:ss)	Date of created sales

GetLocationInventoryBelowMinimum

Get inventory information of the specified location, filtered by product category, whenever it is specified, on which units is below minimum.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
intProductCategoryID	Integer	Category filter

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strSearchKey	String(50)	Search keyword that filters by Item name / SKU
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Response Object

Key	Data Type	Description
intProductID	Integer	Product ID
strProductSKU	String	SKU
blsFixedPrice	Boolean	“True” if the product is sold at a fixed price
strProductName	String	Product name
dblProductCost	Double	Cost
intUnitsAvailable	Integer	Available units
intMinimumUnits	Integer	Minimum units
dblProductPrice	Double	Default selling price
dblMinimumPrice	Double	Minimum price
intUnitsReserved	Integer	Units reserved in a purchase order
intUnitsToReceive	Integer	Units inbound from a purchase order
dblProductTax1	Double	Product tax in location
dblProductTax2	Double	2 nd product tax in location
dblProductTax3	Double	3 rd product tax in location
bAlertIfBelowMinimumUnits	Boolean	If the product’s intUnitsAvailable drops to intMinimumUnits and is set to “True”, the product is included in the alert SMS/Email
bAutoPurchaseOrderIfBelowMinimumUnits	Boolean	“True” if the product is to be included in a nightly purchase order automatically when the intUnitsAvailable drop below intMinimumUnits
blsTaxExempted	Boolean	“True” if the product is to be sold without applied taxes
intLocationID	Integer	Location ID
intProductCategoryID	Integer	Product category ID
strProductCategoryName	String	Product category name

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GetLocationNetSales

Get total net sales based on the date supplied and (if) location was specified.

Parameters

Parameter	Data Type	Description
intLocationID	Integer	Location ID
dReportDate	Date (YYYY-mm-dd), Required	Date when the report was pulled.

Response Object

Key	Data Type	Description
intLocationID	Integer	Location ID
strLocationName	String	Location name
strLocationCurrency	Boolean	“True” if the product is sold at a fixed price
dblNetSales	Double	Total net sales (per location if intLocationID was specified)

GetReceiptsByLocationAndDate

Get a list of receipts in a location, on the specified date range.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
dStartDate	Date (YYYY-mm-dd), Required	Preferred starting date
dEndDate	Date (YYYY-mm-dd), Required	Preferred ending date

Response Object

Key	Data Type	Description
intLaneID	Integer	Lane number
intReceiptNumber	Integer	Receipt number
intLocationID	Integer	Location ID
intInvoiceNumber	Integer	Invoice number
dtTransactionDate	DateTime (YYYY-mm-ddThh:mm:ss)	Transaction date
dblGrandTotal	Double	Grand total (Net + Taxes)

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dblTax1	Double	Tax 1
dblTax2	Double	Tax 2
dblTax3	Double	Tax 3
strPaymentTypeLabel	String	Cash, Credit Card, Check, Gift Card, Custom Payment
strTransactionTypeLabel	String	Sale, Refund, Exchange
intReferenceReceiptNumber	Integer	Receipt number of previous transaction related to this receipt (usually for refunds and exchanges)
intCustomerID	Integer	Customer ID

GetRegions

Get the list of regions in the company.

Parameters

None

Response Object

Key	Data Type	Description
intRegionID	String	Region ID
strRegionName	Integer	Region name

UpdateLocationExternalID

Update location's external ID.

Parameters

Parameter	Data Type	Description
intLocationID	Integer, Required	Location ID
strLocationExternalID	String(50), Required	Location's External ID

Response Object

Error ID	Message	Reason
0	Success: The location's external ID has been updated.	
-1	Invalid location ID.	The given intLocationID does not exist or invalid.
-2	The given external	The given strLocationExternalID is already assigned to a

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	location ID is already assigned to a different location.	different location.
-3 or -4	Failed: Could not update the location.	Server-side error

UpdateProductCategory

Update product category.

Parameters

Parameter	Data Type	Description
intProductCategoryID	Integer, Required	Product's category ID
strProductCategoryName	String(50), Required	Product's category name
intProductCategoryParentID	Integer, Required	Product's category parent ID

Response Object

Error ID	Message	Reason
0	Successfully updated the product category.	
-1	Invalid category ID.	The given intProductCategoryID does not exist
-2	The update failed.	Server-side error
-3	Invalid parent ID.	The given intProductCategoryParentID does not exist

UpdateProductStatus

Update product status.

Parameters

Parameter	Data Type	Description
strProductSKU	String(50), Required	Product ID
intProductStatus	Integer, Required	1 = Enabled 0 = Disabled

Response Object

Error ID	Message	Reason
0	Success: The product is now enabled / disabled.	

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-1	Invalid product SKU.	The given strProductSKU does not exist.
-5000	Failed: Could not enable / disable the product.	Server-side error

AddSuspendedSale

Add a suspended sale.

Parameters

Parameter	Data Type	Description
intClientID	Integer, required	Client ID
intLaneID	Integer, required	Lane ID
blsLocationTaxExempt	Boolean, required	"True" if location is tax exempted.
intLocationID	Integer, required	Location ID
enumEmployees	List< AddSuspendedSaleEmployee >, at least one required	List of employees
enumProducts	List< AddSuspendedSaleProducts >	List of products
AddSuspendedSaleEmployee		
intEmployeeID	Integer, required	Employee ID
dblEmployeeSalesPercentage	Double	Sales percentage Note: Sales Percentage must be a summation of 100% for all employees included in the sale.
AddTransactionProducts		
intProductID	Integer, required	Product ID
intProductUnits	Integer, required	Product units
dblProductPrice	Double, required	Product price
intProductUnitsInPackage	Integer	Unit quantity in a package
dblProductPricePerPackage	Double	Package price
blsTaxExempt	Boolean, required	"True" if the product is not applied taxes

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dblBufferAmount	Double	Change due amount
dblTaxPerc1	Double, required	Tax 1
dblTaxPerc2	Double, required	Tax 2
dblTaxPerc3	Double, required	Tax 3
enumSerialNumbers	List<string>	List of serial number

Response Object

Error ID	Message	Reason
0	Successfully added suspended sale.	
-5000	Failed: Internal error.	Server-side error

GetSuspendedSale

Add a suspended sale.

Parameters

Parameter	Data Type	Description
intSuspendedSaleID	Integer, required	Suspended Sale ID (internal)
intLocationID	Integer, required	Location ID
AddSuspendedSaleEmployee		
intEmployeeID	Integer, required	Employee ID
dblEmployeeSalesPercentage	Double	Sales percentage Note: Sales Percentage must be a summation of 100% for all employees included in the sale.
AddTransactionProducts		
intProductID	Integer, required	Product ID
intProductUnits	Integer, required	Product units
dblProductPrice	Double, required	Product price
intProductUnitsInPackage	Integer	Unit quantity in a

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		package
dblProductPricePerPackage	Double	Package price
blsTaxExempt	Boolean, required	"True" if the product is not applied taxes
dblBufferAmount	Double	Change due amount
dblTaxPerc1	Double, required	Tax 1
dblTaxPerc2	Double, required	Tax 2
dblTaxPerc3	Double, required	Tax 3
enumSerialNumbers	List<string>	List of serial number

Response Object

Key	Data Type	Description
intLocationID	Integer	Location ID
intClientID	Integer	Client ID
intLaneID	Integer	Lane ID
blsLocationTaxExempt	Boolean	"True" if location is tax exempted.
enumEmployees	List< SuspendedSaleEmployee >	List of employees
enumProducts	List< SuspendedSaleProduct >	List of products
SuspendedSaleEmployee		
intEmployeeID	Integer, required	Employee ID
dblEmployeeSalesPercentage	Double	Sales percentage Note: Sales Percentage must be a summation of 100% for all employees included in the sale.
SuspendedSaleProduct		
intProductID	Integer, required	Product ID
intProductUnits	Integer, required	Product units
dblProductPrice	Double, required	Product price
intProductUnitsInPackage	Integer	Unit quantity in a package

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dblProductPricePerPackage	Double	Package price
blsTaxExempt	Boolean, required	"True" if the product is not applied taxes
dblBufferAmount	Double	Change due amount
dblTaxPerc1	Double, required	Tax 1
dblTaxPerc2	Double, required	Tax 2
dblTaxPerc3	Double, required	Tax 3
enumSerialNumbers	List< SuspendedSaleSerialNumber >	List of serial numbers
SuspendedSaleSerialNumber		
strSerialNumber	String	Serial number