Offline Pos Api-3 Documentation

**NOTE: Offline POS API 3 required the pos version 3.01 or above. POS Version 3.00 and lower not support the API 3 Offline Pos.**

# API 3 DEMO:

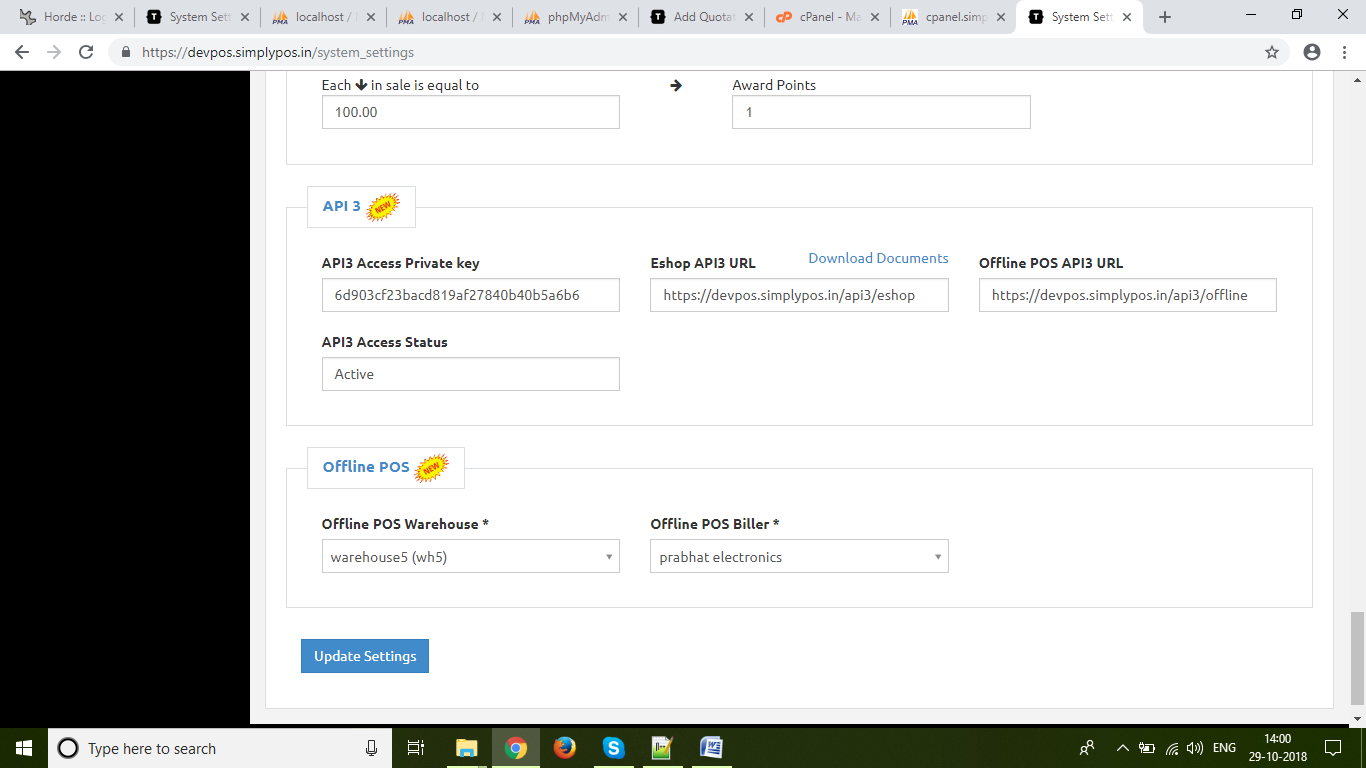
**Sandbox API URL:** https://devpos.simplypos.in/api3/offline

**Required Attributes for all APIS:**

privatekey= 6d903cf23bacd819af27840b40b5a6b6 (Demo Private Key)

action = (As per API request)

You can view privatekey, API URL and Access Status in pos ***System Settings API*** section.

 **Method:** POST / GET

**Response Status will be:**

status = ERROR / SUCCESS

**Errors & messages:**

100 => POS eshop private key not available or generated

101 => Invalid api request method

102 => Private Key mismatch

103 => Invalid request

104 => Parent category id is mandatory

105 => No Records Found

# 1) API: Get Pos Settings

**URL:** [POS\_URL]/api3/offline

**Sandbox Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getsettings

**Method:** POST

**Response:** JSON

# 2) API: Get ALL Product Categories (Parents & Subcategories)

**URL:** [POS\_URL]/api3/offline

**Sandbox Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getallcategories

**Optional Parameters:**

keyword = (For search category)

**Method:** POST

**Response:** JSON

# 3) API: Get ALL Parent Categories (Alias if need only parent category)

**URL:** [POS\_URL]/api3/offline

**Sandbox Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getparentcategories

**Method:** POST

**Response:** JSON

# 4) API: Get Subcategories By Category (Alias if subcategory of particular main category)

**URL:** [POS\_URL]/api3/offline

**Sandbox Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters**:

privatekey = Your\_private\_key

action = getsubcategories

parent\_id = [Parent Category Id]

**Method:** POST

**Response:** JSON

# 5) API: Get Products Quantity and Stock (Inventory: Get Products stock count)

**URL:** [POS\_URL]/api3/offline

**Sandbox Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getproductstocks

**Optional Parameters:**

listbycategory = 1 or 0 (*Default: 0*) (Get Data order by category. Default Random)

category\_id = [Main Category ID] (*Default: 0*) (If want particular category)

( *category\_id* *Can accept multiple main categories separated by comma “****,****”. Ex. 22,24,26* )

**Method:** POST

**Response:** JSON

# 6) API: Get ALL Products

**URL:** [POS\_URL]/api3/offline

**Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getallproducts

**Optional Parameters:**

category\_id = [Single Category Id]

subcategory\_id = [Single Subcategory Id]

keyword = [ For Search Products By Keyword ]

**Method:** POST

**Response:** JSON

# 7) API: Get Payment Methods

**URL:** [POS\_URL]/api3/offline

**Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getpaymentmetods

**Method:** POS

**Response:** JSON

# 8) API: Get Tax Methods

**URL:** [POS\_URL]/api3/offline

**Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = gettaxmetods

**Method:** POS

**Response:** JSON

# 9) API: Get Shipping Methods

**URL:** [POS\_URL]/api3/offline

**Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getshippingmetods

**Method:** POS

**Response:** JSON

# 10) API: Get ALL Customers List

**API:** [POS\_URL]/api3/offline

**Sandbox** **Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getcustomers

**Method:** POST

**Response:** JSON

# 11) API: Get Customer Sales / Sales History

**URL:** [POS\_URL]/api3/offline

**Sandbox Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = getcustomersales

customer\_id = [Custermer Id]

**Optional Parameters :** [Default All]

sale\_status = [pending / completed / returned]

**Method:** POST

**Response:** JSON

# 12) API: Sales Synchronization (Only For Windows Local Offline Pos if both db structure is same)

**URL:** [POS\_URL]/api3/offline

**Sandbox Ex:** https://devpos.simplypos.in/api3/offline

**Required Parameters:**

privatekey = Your\_private\_key

action = synchronization

type = sale

synchtype = upload

salesdata = {JSON Formatted Sales Data}

Ex. Saladata = {    
    "sales":{    
         "1":{    
             "id":"1",  
             "date":"2018-10-30 15:47:36",  
             "reference\_no":"OFFLINEPOS\_SALE\/POS\/2018\/0001",  
             "customer\_id":"1",  
             "customer":"Walk-in Customer",  
             "biller\_id":"350",  
             "biller":"HAIR SALOON",  
             "warehouse\_id":"1",  
             "note":"",  
             "staff\_note":"",  
             "total":"184.7458",  
             "product\_discount":"0.0000",  
             "order\_discount\_id":null,  
             "total\_discount":"0.0000",  
             "order\_discount":"0.0000",  
             "product\_tax":"27.2542",  
             "order\_tax\_id":"1",  
             "order\_tax":"0.0000",  
             "total\_tax":"27.2542",  
             "shipping":"0.0000",  
             "grand\_total":"212.0000",  
             "sale\_status":"completed",  
             "payment\_status":"paid",  
             "payment\_term":"0",  
             "due\_date":null,  
             "created\_by":"1",  
             "updated\_by":null,  
             "updated\_at":null,  
             "total\_items":"2",  
             "pos":0,  
             "paid":"212.0000",  
             "return\_id":null,  
             "surcharge":"0.0000",  
             "attachment":null,  
             "return\_sale\_ref":null,  
             "sale\_id":null,  
             "return\_sale\_total":"0.0000",  
             "rounding":"0.0000",  
             "eshop\_sale":"0",  
             "offline\_sale":1,  
             "offline\_reference\_no":"",  
             "offline\_payment\_id":"",  
             "offline\_transaction\_type":"",  
             "cf1":"",  
             "cf2":"",  
             "delivery\_status":"pending",  
             "eshop\_order\_alert\_status":"0",  
             "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e"  
         }  
    },  
    "items":[    
        {    
            "id":"1",  
            "sale\_id":"1",  
            "product\_id":"304",  
            "product\_code":"887104629",  
            "product\_name":"Vacuum Seal Leak proof Lunch Box",  
            "product\_type":"standard",  
            "option\_id":null,  
            "net\_unit\_price":"84.7458",  
            "unit\_price":"100.0000",  
            "quantity":"1.0000",  
            "warehouse\_id":"1",  
            "item\_tax":"15.2542",  
            "tax\_rate\_id":"3",  
            "tax":"18.0000%",  
            "discount":"0",  
            "item\_discount":"0.0000",  
            "subtotal":"100.0000",  
            "serial\_no":"",  
            "real\_unit\_price":"100.0000",  
            "sale\_item\_id":null,  
            "product\_unit\_id":"3",  
            "product\_unit\_code":"pcs",  
            "unit\_quantity":"1.0000",  
            "cf1":"",  
            "cf2":"",  
            "cf3":null,  
            "cf4":null,  
            "cf5":null,  
            "cf6":null,  
            "cf1\_name":null,  
            "cf2\_name":null,  
            "cf3\_name":null,  
            "cf4\_name":null,  
            "cf5\_name":null,  
            "cf6\_name":null,  
            "mrp":"200.0000",  
            "hsn\_code":"12345",  
            "note":"undefined",  
            "delivery\_status":"pending",  
            "pending\_quantity":"1.00",  
            "delivered\_quantity":"0.00",  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"7f8500a78048d18dad56352e1b2c7249"  
        },  
        {    
            "id":"2",  
            "sale\_id":"1",  
            "product\_id":"305",  
            "product\_code":"355040571",  
            "product\_name":"Classic Lunch Box",  
            "product\_type":"standard",  
            "option\_id":null,  
            "net\_unit\_price":"100.0000",  
            "unit\_price":"112.0000",  
            "quantity":"1.0000",  
            "warehouse\_id":"1",  
            "item\_tax":"12.0000",  
            "tax\_rate\_id":"16",  
            "tax":"12.0000%",  
            "discount":"0",  
            "item\_discount":"0.0000",  
            "subtotal":"112.0000",  
            "serial\_no":"",  
            "real\_unit\_price":"100.0000",  
            "sale\_item\_id":null,  
            "product\_unit\_id":"3",  
            "product\_unit\_code":"pcs",  
            "unit\_quantity":"1.0000",  
            "cf1":"",  
            "cf2":"",  
            "cf3":null,  
            "cf4":null,  
            "cf5":null,  
            "cf6":null,  
            "cf1\_name":null,  
            "cf2\_name":null,  
            "cf3\_name":null,  
            "cf4\_name":null,  
            "cf5\_name":null,  
            "cf6\_name":null,  
            "mrp":"200.0000",  
            "hsn\_code":"12345",  
            "note":"undefined",  
            "delivery\_status":"pending",  
            "pending\_quantity":"1.00",  
            "delivered\_quantity":"0.00",  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"768078d7a61bd97b5b2de9d7018719b0"  
        }  
    ],  
    "sales\_reff":{    
        "1":"135c0fd794b38865d02ab21876aa741e"  
    },  
    "items\_reff":{    
        "135c0fd794b38865d02ab21876aa741e":{    
            "1":"7f8500a78048d18dad56352e1b2c7249",  
            "2":"768078d7a61bd97b5b2de9d7018719b0"  
        }  
    },  
    "warehouse\_less\_stock":{    
        "1":{    
            "304":1,  
            "305":1  
        }  
    },  
    "tax":[    
        {    
            "id":"1",  
            "item\_id":"1",  
            "sale\_id":"1",  
            "attr\_code":"CGST",  
            "attr\_name":"CGST",  
            "attr\_per":"9",  
            "tax\_amount":"7.6271",  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"7f8500a78048d18dad56352e1b2c7249"  
        },  
        {    
            "id":"2",  
            "item\_id":"1",  
            "sale\_id":"1",  
            "attr\_code":"SGST",  
            "attr\_name":"SGST",  
            "attr\_per":"9",  
            "tax\_amount":"7.6271",  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"7f8500a78048d18dad56352e1b2c7249"  
        },  
        {    
            "id":"3",  
            "item\_id":"2",  
            "sale\_id":"1",  
            "attr\_code":"CGST",  
            "attr\_name":"CGST",  
            "attr\_per":"6",  
            "tax\_amount":"6.0000",  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"768078d7a61bd97b5b2de9d7018719b0"  
        },  
        {    
            "id":"4",  
            "item\_id":"2",  
            "sale\_id":"1",  
            "attr\_code":"SGST",  
            "attr\_name":"SGST",  
            "attr\_per":"6",  
            "tax\_amount":"6.0000",  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"768078d7a61bd97b5b2de9d7018719b0"  
        }  
    ],  
    "costing":[    
        {    
            "id":"1",  
            "date":"2018-10-30",  
            "product\_id":"304",  
            "sale\_item\_id":"1",  
            "sale\_id":"1",  
            "purchase\_item\_id":null,  
            "quantity":"1.0000",  
            "purchase\_net\_unit\_cost":"50.0000",  
            "purchase\_unit\_cost":"50.0000",  
            "sale\_net\_unit\_price":"84.7458",  
            "sale\_unit\_price":"100.0000",  
            "quantity\_balance":null,  
            "inventory":"1",  
            "overselling":"1",  
            "option\_id":null,  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"7f8500a78048d18dad56352e1b2c7249"  
        },  
        {    
            "id":"2",  
            "date":"2018-10-30",  
            "product\_id":"305",  
            "sale\_item\_id":"2",  
            "sale\_id":"1",  
            "purchase\_item\_id":null,  
            "quantity":"1.0000",  
            "purchase\_net\_unit\_cost":"50.0000",  
            "purchase\_unit\_cost":"50.0000",  
            "sale\_net\_unit\_price":"100.0000",  
            "sale\_unit\_price":"112.0000",  
            "quantity\_balance":null,  
            "inventory":"1",  
            "overselling":"1",  
            "option\_id":null,  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e",  
            "offlinepos\_saleitem\_reff":"768078d7a61bd97b5b2de9d7018719b0"  
        }  
    ],  
    "payments":[    
        {    
            "id":"1",  
            "date":"2018-10-30 15:47:36",  
            "sale\_id":"1",  
            "return\_id":null,  
            "purchase\_id":null,  
            "reference\_no":"OFFLINEPOS\_PAY\/2018\/0001",  
            "transaction\_id":"",  
            "paid\_by":"cash",  
            "cheque\_no":"",  
            "cc\_no":"",  
            "cc\_holder":"",  
            "cc\_month":"",  
            "cc\_year":"",  
            "cc\_type":"",  
            "amount":"212.0000",  
            "currency":null,  
            "created\_by":"1",  
            "attachment":null,  
            "type":"received",  
            "note":"",  
            "pos\_paid":"212.0000",  
            "pos\_balance":"0.0000",  
            "approval\_code":null,  
            "offlinepos\_sale\_reff":"135c0fd794b38865d02ab21876aa741e"  
        }  
    ],  
    "deliveries":false  
}

**Note:** In post sales data ***offlinepos\_sale\_reff*** and ***offlinepos\_saleitem\_reff*** is an extra fields added while api call. The both encryption key should be unique created by using *sale-date* and *item-id* combination as below.

$offlinepos\_sale\_reff **= MD5(** $sale\_datetime **)**;   
( *Sales datetime encrept by md5 hash* )  
**Ex.** $sales->offlinepos\_sale\_reff = **MD5(**$sales->date**)**;

$offlinepos\_saleitem\_reff **=** **MD5(** $offlinepos\_sale\_reff **.** $items\_id **)**;   
*( Concatenate offlinepos\_sale\_reff and sale\_item\_id then encrept by md5 hash)***Ex.** $sales->offlinepos\_saleitem\_reff = **MD5(** $offlinepos\_sale\_reff **.** $items->id **)**;

**Method:** POST

**API Response:** JSON as Below

{

"data\_post":{ POST JSON DATA },

"status":"SUCCESS",

"data":{

"sales":{

"135c0fd794b38865d02ab21876aa741e":5001

},

"items":{

"7f8500a78048d18dad56352e1b2c7249":10347,

"768078d7a61bd97b5b2de9d7018719b0":10348

},

"stocks":{

"products":{

"304":"-82.0000",

"305":"-140.0000"

},

"warehouses":{

"1":{

"304":"-91.0000",

"305":"-143.0000"

}

}

},

"tax":{

"1":13492,

"2":13493,

"3":13494,

"4":13495

},

"costing":{

"1":6596,

"2":6597

},

"payments":{

"1":3916

},

"deliveries":null

}

}