

# 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.



The screenshot shows a configuration panel for API 3. It includes a 'Download Documents' link. The fields are as follows:

Field	Value
API3 Access Private key	6d903cf23bacd819af27840b40b5a6b6
Eshop API3 URL	<a href="https://devpos.simplypos.in/api3/eshop">https://devpos.simplypos.in/api3/eshop</a>
Offline POS API3 URL	<a href="https://devpos.simplypos.in/api3/offline">https://devpos.simplypos.in/api3/offline</a>
API3 Access Status	Active

**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 = gettaxmethods

**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 = getshippingmethods

**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 = [Customer 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_ref":"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_ref": "135c0fd794b38865d02ab21876aa741e",
  "offlinepos_saleitem_ref": "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_ref": "135c0fd794b38865d02ab21876aa741e",
  "offlinepos_saleitem_ref": "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_ref": "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 encrypt 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 encrypt 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
  }
}

```