

Objective	1
Proposed Solution	1
Prerequisites	1
Ordering Flow	1
API Details	2
1) "create.cart"	2
2) "dispense.later"	3
3) "get.vending.status"	4
4) "get.vm.list"	6
5) "get.vm"	7
6) "get.product.list"	8

Objective

Adani Digital Labs sample ordering application users should be able to place order and dispense products from vending machines.

Proposed Solution

Adani Digital Labs sample ordering application will integrate Vendify APIs to dispense samples from vending machines and get the dispense status.

Prerequisites

We will need to manually create the product catalog of samples for Adani Digital Labs and map the internal and external SKUs for the same.

So, Vendify will require sample product data form Adani Digital Labs which will be entered in the system.

Ordering Flow

1. Vending machine selection process

QR code(physical/digital) will be available on the vending machine, and scanning it will take the user to the Adani sample ordering application.

The hyperlink embedded in the QR code will be something like-

https://sampling.adanidigitallabs.com?id=<vm_uuid>

UUID here is the unique vending machine ID that will be required later in by Vendify

while calling cart creation API.

This will be provided to the required party at the time of onboarding a vending machine.

2. Cart creation process

Once a user has selected products to create a cart, **“create.cart”** API will be called with selected product details and cart amount.

The response from this API will have a unique order id **“order_id”** which Adani Digital Labs can use for internal mapping with its own system.

3. Product dispensing process

Adani Digital Labs can inform Vendify to generate a vending machine pick-up code via **“dispense.later”** API.

This API will send back in response a **“pickup_code”** which will be entered by the user in the vending machine touch display to start the dispensing of the order.

For testing of pickup_code, we will share an android APK which will simulate the vending machine screen experience.

To check the status of product dispensing, the API **“check.vend.status”** will be called and it will return the dispense status of the SKUs ordered(Adani Digital Labs SKU).

API Details

API Endpoint: **https://prod.consumer-services.vendify.app/**

Headers(for auth):

1. “platform-id” : “RG743Z9-HXD4BCB-JCR748D-SXRHZPG”
2. “platform-key” : “c40e41fd-8f5a-45b1-9330-7221cf711fda”

Note: Request Payload contains actions which is a string value that is constant for that particular API.

1) “create.cart”

Request Payload

```
{
  "payload": {
    "action": "create.cart",
    "uuid": "8b871c2848d944e6906a961f61e5d87c", // (uuid of the vending machine)
    "time": 1667366972975, // (time at which the order is placed)
    "cUID": 1667366972973, // (Unique id for the cart/order, recommended to use
    milliseconds or microseconds or any other double value which guarantees uniqueness)
    "paymentMethod": "wallet", // (constant value of 'wallet')
    "items": [
      {
        "iUID": 213, // (unique id for product)
        "sid": 8035, // (unique id for that product in the VM)
        "external_sku": "ADLEXTSKU1", // (SKUs of your product)
      }
    ]
  }
}
```

```

        "iQty": 1          // (Number of items in the order placed for the
    }                      // particular product)
],
    "transaction_origin": 1 // (Constant and required field)
}
}

```

Response

```

{
    "success": true,
    "data": {
        "time": 1667459546605, // (time of acknowledgement)
        "cUID": 1667366972973, // (unique order id which was sent in the request)
        "oUID": "MXND3071",    // (order ID shown on ERP for future references
    regarding the order
        "fVal": 160             // (final cart amount which must be paid for this
    order)
    }
}

```

2) “dispense.later”

Request Payload // (hit this API only after Payment was done)

```

{
    "payload": {
        "action": "dispense.later",
        "order_id": "MXND3071", // (order id which was sent in the create.cart
    API)
        "device_uuid": "8b871c2848d944e6906a961f61e5d87c", // (uuid of the vending
    machine on which the order was placed)
        "prePaidOrder": true // (constant value showing payment was successful
    // false indicates payment failure)
    }
}

```

Response

```

{
    "success": true,
    "message": "Pickup code is 8356", // (Message with pickup code)
    "pickup_code": "8356"           // (pickup code which must be entered on the
    // vending machine)
}

```

3) "get.vending.status"

As discussed on the call dated 30th December 2022 we are going to hit an API provided by you for notifying about the order status once vend or auto cancellation occurs. The request payload for the Notification API would be the same as the response of this API.

For your reference only the following keys are important:

1. order_id
2. CartDetails: It contains external_sku ids for mapping of your System
3. vend_status: It contains following values-

```
{  
  1: 'Vend Success',  
  2: 'Partial Vend',  
  3: 'Vend Failure',  
  6: 'Auto Cancelled',  
  null: 'Processing'  
}
```

Request:

```
{  
  "payload": {  
    "order_id": "I5NY428519",          // (ORDER ID whose status needs to be tracked)  
    "action": "get.vending.status"     // (Constant Value)  
  }  
}
```

Response:

```
{  
  "success": true,  
  "data": {  
    "id": 428519,  
    "device_uuid": "8b871c2848d944e6906a961f61e5d87c",  
    "vending_machine_id": 104,  
    "device_cart_id": 1669892171366,  
    "transaction_origin": 3,  
    "order_id": "I5NY428519",  
    "amount": 20,  
    "link_id": "rwpmnt_T8UZ1egjR",  
    "payment_type": 4,  
    "payment_status": 1,  
    "vend_status": 2,  
    "refund_amount": 10,  
  }  
}
```

```

    "refund_status": 1,
    "pickup_code": "1234",
    "is_dispense_later": null,
    "is_dispensing": 0,
    "customer_id": 1,
    "created_at": "2022-12-01T10:56:12.000Z",
    "updated_at": "2022-12-01T10:56:36.000Z",
    "deleted_at": null,
    "createdAt": "2022-12-01T10:56:12.000Z",
    "updatedAt": "2022-12-01T10:56:36.000Z",
    "VendingMachine": {
      "id": 104,
      "name": "Bikaji Foods"
    },
    "CartDetails": [
      {
        "vend_status": 1,
        "id": 1267,
        "name": "Product Name #1",
        "image": "https://s3.ap-south-1.amazonaws.com/duct-catalog/sdfds.png",
        "product_qty": 1,
        "sid": 49624,
        "items_vend": 1,
        "external_sku": "EXTSKU12" // (SKU provided by Adani Digital Labs)
      },
      {
        "vend_status": 2,
        "id": 1268,
        "name": "Product Name #2",
        "image": "https://s3.ap-south-1.amazonaws.com/duct-catalog/wedas.png",
        "product_qty": 1,
        "items_vend": 0
        "sid": 49824,
        "external_sku": "EXTSKU24" // (SKU provided by Adani Digital Labs)
      }
    ]
  }
}

```

4) "get.vm.list"

This API can be used to list all the online machines and can be sorted as per user's GPS coordinates.

Request Payload:

```
{
  "payload": {
    "action": "get.vm.list", // (constant parameter)
    "latitude": "36.0302342342", // (optional, to sort Vending Machine by this location)
    "longitude": "92.12049432" // (optional, but must be passed with latitude sort that machines near to this locations are displayed first)
  }
}
```

The response parameter contains an Array of Vending Machines; the parameters are the same as that of Get Vending Machine API.

```
{
  "success": true,
  "data": {
    "vendingMachines": [
      {
        "id": 9305,
        "uuid": "ef50f7d9b2da48729911945e9022c695",
        "name": "Seaga EL_980",
        "location": {
          "address_line_1": "Plot 25",
          "address_line_2": "Panvel",
          "pincode": "410218",
          "latitude": 19.039822,
          "longitude": 73.0948007
        },
        "configurations": {
          "payment_timeout": 180,
          "dispense_timeout": 60,
          "dispense_later_timeout": 10,
          "dispense_cancellation_timeout": 5,
          "max_items": 3,
          "max_cart_amount": 500
        },
        "is_online": true,
        "is_refilling": false,
        "contains_products": true,
      }
    ]
  }
}
```

```
    ]
  }
}
```

5) "get.vm"

Used to fetch (configuration) data for only one machine.

Request payload

```
{
  "payload": {
    "action": "get.vm",
    "uuid": "ef50f7d9b2da48729911945e9022c695" //(required uuid of Vending
Machine)
  }
}
```

Response

```
{
  "success": true,
  "data": {
    "vendingMachine": {
      "id": 5688,
      "uuid": "ef50f7d9b2da48729911945e9022c695",
      "name": "Seage EL_980", // (Display Name of the Vending Machine)
      "location": {
        "address_line_1": "Plot 25", // (Address line 1 of Vending Machine)
        "address_line_2": "Panvel", // (Address line 2 of Vending Machine)
        "pincode": "410218", // (Pin code of the City of Vending Machine)
        "latitude": 19.039822, // (GPS Coordinates of Machine Location)
        "longitude": 73.0948007 // (GPS Coordinates of Machine Location)
      },
      "configurations": {
        "payment_timeout": 180, // (In seconds, time within which a Payment
must be completed)
        "dispense_timeout": 120, // (In seconds, time which takes for
dispensing of order)
        "dispense_later_timeout": 120, // (In minutes, time within which a
order must be dispensed)
        "dispense_cancellation_timeout": 5, // (In minutes, time when a
order can be cancelled)
        "max_items": 5, // (Maximum items this machine can dispense for
each order)
        "max_cart_amount": 1888 // (Maximum cart amount allowed for each
order)
      }
    }
  }
}
```

```

    },
    "is_online": true, // (If Vending Machine is online or Offline, orders
can be done only if Machine is Online)
    "is_refilling": false, // (If Vending Machine is being refilled, so
orders must be disabled at this time)
    "contains_products": true // (If Vending Machine is empty or contains
product)
  }
}
}

```

6) “get.product.list”

Can be used to fetch the product availability in the Vending Machine. Other details like product iUID, sid can be fetched from this API which can be used in create cart API. We also provide an external_sku field which is the SKU of your product in your system, which will be provided by you during manual onboarding.

Request Payload

```

{
  "payload": {
    "action": "get.product.list",
    "uuid": "ef50f7d9b2da48729911945e9022c695" // (uuid of the Vending Machine
from get.vm or get.vm.list API)
  }
}

```

Response

```

{
  "success": true,
  "data": {
    "vm_stock": {
      "ver": 5, // (version of vending machine for our internal use)
      "containers": [
        [
          {
            "iUID": 30, // (unique id for product)
            "sid": 944583, // (unique id for that product in the VM)
            "stk": 999, // (current stock of that product in the VM)
            "unt": 0, // (constant value for our internal use)
            "pos": {
              "row": 0, // (row at which product is present
              "col": [ // column/s in which that product
                1, // is present, multiple value indicates
                // that this product occupies multiple

```



```

        ]          // cells, not that this is present in
    },          // multiple cells)
    "external_sku": "ADLSKUEXT1"    // (external sku
provided by Adani Digital Labs)
    "xpr": null,    // (expiry timestamp of product)
    "starCnt": 0, // (rating of product on the scale of 5)
    "img":
"https://s3.ap-south-1.amazonaws.com/vendify-v1.1.0-resources/product-catalog/JeorA
6_aC.png", // (display image of product)
    "name": "Kurkure Masala Munch", // (display name of
product)

    "prio": false, // (for our internal use, indicates if
this product is prioritised)
    "catID": [ // (category id of product, detail can be
14    // fetched from categories array)
],
    "attr": "<h2><strong>10% Extra</strong></h2>", //
(description of product with HTML tags)
    "val": 10, // (cost or MRP of product)
    "brandName": "Kurkure", // (Product Brand Name)
    "shelfLife": { // (The maximum time for which the
        "id": 2,    // product can be shelved)
        "name": "3 Months"
    },
    "packaging": { // (Packaging details of the product)
        "id": 1,
        "name": "Sachet",
        "image":
"https://vendify-qa-resources.s3-us-west-2.amazonaws.com/sachet.jpg",
        "description": null,
        "height": null,
        "width": null,
        "depth": null
    },
    "dscnt": [],
    "gst": 0, // (gst percent of that product)
    "cess": 0, // (cess percent of that product)
    "label": null, // (label for that product)
    "brand": {
        "id": 28,
        "name": "Kurkure", // (brand name for the product)
        "image":    // (brand image of the product)
"https://vendify-dev-resources.s3.us-west-2.amazonaws.com/brand/O1X95z90N.png",
        "description": "" // (description for the product)
    },

```

```

        "unit": { // (unit details of the product)
            "id": 1,
            "name": "Gram", // (unit name for the product)
            "code": "g"
        },
        "unitQty": 90, // (unit quantity)
        "variant": "Masala" // (product variant)
    },
    {
        "iUID": 1011,
        "sid": 94585,
        "stk": 1000,
        "unt": 0,
        "pos": {
            "row": 0,
            "col": [
                3
            ]
        },
        "external_sku": "ADLEXTSKU2",
        "xpr": null,
        "starCnt": 0,
        "img":
"https://s3.ap-south-1.amazonaws.com/vendify-v1.1.0-resources/product-catalog/b4bXLvWxD.jpeg",

        "name": "Kurkure Puffcorn",
        "prio": false,
        "catID": [
            14
        ],
        "attr": "",
        "val": 5,
        "brandName": "Kurkure",
        "shelfLife": {
            "id": 3,
            "name": "6 Months"
        },
        "packaging": {
            "id": 16,
            "name": "Packet",
            "image":
"https://s3.ap-south-1.amazonaws.com/vendify-v1.1.0-resources/product-packaging/H5Ht5I7SZ.jpeg",

            "description": "",
            "height": null,

```

```

        "width": null,
        "depth": null
    },
    "dscnt": [],
    "gst": 0,
    "cess": 0,
    "label": null,
    "brand": {
        "id": 28,
        "name": "Kurkure",
        "image":
"https://s3.ap-south-1.amazonaws.com/vendify-v1.1.0-resources/brand/Sxc3yys4_.jpeg"
    },
    "description": ""
},
"unit": {
    "id": 20,
    "name": "Grams",
    "code": "gms"
},
"unitQty": 15,
"variant": null
},
[] // (will be present only if vending machine contains
multiple containers)
],
"time": 1667539771454,
"fttrays": [
    [0], // the rows index which must be displayed on top
    []
],
"categories": [
    {
        "catID": 14,
        "name": "wafers",
        "img":
"https://d2jvvg4nw269sm.cloudfront.net/brand/Yy8aGaUAS.png",
        "super": 35
    }
],
"mTyp": 1,
"vlTyp": 0,
"brand": [ // (brand details of the product)
    {
        "brandID": 28,

```

```
        "name": "Kurkure",
        "img":
"https://s3.ap-south-1.amazonaws.com/vendify-v1.1.0-resources/brand/Sxc3y4cs4_.jpeg"
    }
    ]
}
}
```