



# API INTEGRATION DOCUMENT

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APIs needed to connect to Torqus Cloud

Product Team

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## Authentication Mechanism

- 1) Partners will be provided with a username / password.
- 2) The “type” has to be “PARTNER” only.

## Extra Information

- 1) siteld – Preshared ID of the restaurant outlet.
- 2) companyID – Preshared ID of the holding company managing the outlet. In case of a standalone restaurant, the companyID will be same as siteld.
- 3) Please keep the SiteURL and the Portname as placeholders as they will change for production system.
- 4) Torqus will soon move to an HTTPS based system. So please make sure that you can support it.
- 5) The HTTP response code will be 200 if the call is successful. It will 4xx if there is a problem from your end and 5xx if there is a problem at our end.

In case of error, you should check the response body. It will contain the error code. For example, if you forget to send in the companyID, you will get response code = 400 with body as:

```
{  
    "messages": ["wrong companyID"],  
    "timestamp": 1402435791627,  
    "success": true  
}
```

## Get List of all sites

**URL:** <http://52.27.68.240:8081/SCM/rest/v0.1/onlineAppWebService/getAllSites>

**Description:** Returns all sites with their mapped areas. The sender will need to ensure that the orders are duly checked for the site - area mapping - i.e only orders for that area are sent to the site. This is a POST call.

### Sample JSON Request:

```
{
  "userName": "test100",      Username to be provided by Torqus for production instances
  "password": "test100",     password to be provided by Torqus for production instances
  "type": "PARTNER",         has to be PARTNER compulsorily
  "companyId": 2195          preshared ID for the Managing Company
}
```

### Response returned (In JSON format):

```
{
  "sOid": "123456789101",
  "clientId": "1",
  "templateName": "torqusAlpha",
  "areaSiteMap": [
    {
      "area": "karve nagar",
      "siteId": [{"siteId": 102, "isOpen": true/false}]
    },
    {
      "area": "warje",
      "siteId": [
        105,
```

106

```
]
},
{
  "area": "kothrud",
  "siteId": [102,
    103,
    104,
    105]
}
],
"sites": [
  {
    "siteId": "105",
    "siteName": "TEST SITE",
    "siteAddress": "418, Lane No 2, Mahatma Society, Kothrud, Pune",
    "sitePhone": "1234567890",
    "isServing": "HD,TA/CLOSE",
    "deliveryCharge": "10"
  },
  {
    "siteId": "103",
    "siteName": "TEST SITE 2",
    "siteAddress": "418, Lane No 5, Mahatma Society, k p, Pune",
    "sitePhone": "1234563446",
    "isServing": "HD,TA/CLOSE",
    "deliveryCharge": "15"
  }
]
```

```
}
```

## Get List of all Food Categories

**URL:** http:// 52.27.68.240:8080/SCM/rest/v0.1/onlineAppWebService/getAllFoodCategory

**Description:** This will return all food categories from the Server. The food categories can be active / inactive. All the food categories are being returned to make sure there are no problems wrt incremental updates etc. This is a POST call.

### Sample JSON Request:

```
{
  "userName": "test100",      Username to be provided by Torqus for production instances
  "password": "test100",     password to be provided by Torqus for production instances
  "type": "PARTNER",         Has to be PARTNER compulsorily
  "siteId": 123456           Preshared ID for the restaurant
}
```

### Response returned ( In JSON format):

```
[
{
  "foodCategoryId": 10221,
  "foodCategoryName": "Soups",
  "isActive": 1,
  "categorySku": "Party Packs",
  "foodCompanyId": 1,
  "foodTypeOfCategory": 4,
```

"foodSuperFoodCategoryId": 4,      food, liquor, beverages etc

"imgUrl": "image url",      image url

"special": "",      extra info if any

"available": "1",      if category is available then 1 else 0 if not available

"configuration": [      configuration array for future purpose

{},

{}

]

},

{

"foodCategoryId": 10221,

"foodCategoryName":

"Biryani", "IsActive": 1,

"categorySku": "Party Packs",

"foodCompanyId": 1,

"foodTypeOfCategory": 4,

"foodSuperFoodCategoryId":

4, "imgUrl": "image url",

"special": "",

"available": "0",

"configuration": [

{}, {}

]

}]



## Get List of all Dishes

**URL:** http:// 52.27.68.240:8080/SCM/rest/v0.1/onlineAppWebService/getAllDishes

**Description:** This will return all dishes from the Server. The dishes can be active / inactive. All the dishes are being returned to make sure there are no problems wrt incremental updates etc.

### Sample JSON Request:

```
{  
  "userName": "test100",      Username to be provided by Torqus for production instances  
  "password": "test100",      password to be provided by Torqus for production instances  
  "type": "PARTNER",          Has to be PARTNER compulsorily  
  "siteId": 123456            Preshared ID for the restaurant  
}
```

### Response returned (In JSON format):

```
[  
  {  
    "dishSKU": "7UP1LTR", "dishName":  
    "7up - 1 ltr", "categorySKU":  
    "OTHERS", "dishDescription":  
    "beverages jkn",  
    "currentStockStatus": "200",  
    "dishPrice": [  
      {"HD" : 100 },  
      {"TA":80 }  
    ],  
  },  
]
```

```
"dishActive": 1,
  "isVeg" : 1,      1 for veg & 2 for non veg
  "spicyiness" : "s1",    varies from s1 to s5 here s1 less spicy and s5 more spicy
  "peopleServes" : 2,
  "specialDishType": 0,    to highlight
  "dishServiceTax": "",    expression which u have to evaluate at your side
  "dishServiceCharge": "",    expression which u have to evaluate at your side
  "dishVat": "",    expression which u have to evaluate at your side
  "displayOrder": 1,    to display
  "imgUrl": "image url",    image url "packagingCharge":
10, packaging charges "preparationTime": 10,
preparation time in minutes "isCombo": 1,
  "offers": [
    {
      "discountCoupon": "DAD150",
      "discountCouponInfo": "150 rupees off on orders above 399"
    },
    {
      "couponCode": "DAD100",
      "discountCouponInfo": "100 rupees off on orders above 349"
    }
  ], "modifiers":
[
  {
```



```
"dishSKU": "EXTRAPANEER",

"dishName": "Extra Paneer",

"categorySKU": "EXTRAS",

"dishDescription": "add
ons", "dishPrice": [

  {"HD" : 10 },

  {"TA":0 }

],

"dishActive": 1,

  "imageUrl": "imageurl",

  "dishServiceTax": 0,

"dishServiceCharge":

0, "dishVat": 5

},

{

  "dishSKU": "EXTRACHEESE",

"dishName": "Extra Cheese",

"categorySKU": "EXTRAS",

"dishDescription": "add
ons", "dishPrice": [

  {"HD" : 10 },{"TA":0 }

],

"dishActive": 1,

"imageUrl": "imageurl",

"dishServiceTax": 0,
```

```
"dishServiceCharge": 0,

"dishVat": 5

    },

],

"comboDishDetails": [

{

    "comboRow1": [

        {

            "dishSKU": "7UP500ML",

            "dishName": "7up - 500 ml",

            "categorySKU": "OTHERS",

            "displayOrder": 1,          to display

            "imgUrl": "imageurl",      img url

            "preSelected": 1,          to display

            "dishPrice": 30,

            "priceFlag": 1,

            "rowLimit": 2              no of selection for row

        },

        {

            "dishSKU": "7UP500ML",

            "dishName": "7up - 500 ml",

            "categorySKU": "OTHERS",

            "displayOrder": 1,

            "imgUrl": "imageurl",

            "preSelected": 1,
```



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```
"dishPrice": 30,  
  
"priceFlag": 1,  
  
"rowLimit": 2  
},  
  
{  
  
  "dishSKU": "7UP500ML",  
  
  "dishName": "7up - 500 ml",  
  
  "categorySKU": "OTHERS",  
  
  "displayOrder": 1,  
  
  "imgUrl": "imageurl",  
  
  "preSelected": 1,  
  
  "dishPrice": 30,  
  
  "priceFlag": 1,  
  
  "rowLimit": 2  
}  
],  
  
"comboRow2": [  
  
  {  
  
    "dishSKU": "7UP500ML",  
  
    "dishName": "7up - 500 ml",  
  
    "categorySKU": "OTHERS",  
  
    "displayOrder": 1,  
  
    "imgUrl": "imageurl",  
  
    "preSelected": 1,  
  
    "dishPrice": 30,
```

```
"priceFlag": 0,
"rowLimit": 1
},
{
  "dishSKU": "7UP500ML",
  "dishName": "7up - 500 ml",
  "categorySKU": "OTHERS",
  "displayOrder": 1,
  "imgUrl": "imageurl",
  "preSelected": 1,
  "dishPrice": 30,
  "priceFlag": 0,
  "rowLimit": 1
}
]
}
]
},
{
  "dishSKU": "7UP1LTR", "dishName":
  "7up - 1 ltr", "categorySKU":
  "OTHERS", "dishDescription":
  "beverages jkn", "dishPrice": [
    {"HD" : 100 }           HD price is the default price
```

```
  },
  "dishActive": 1, "isVeg" :
    1, "spicyness" :
      "s1",
      "peopleServes" : 2,
  "specialDishType": 0,
  "dishServiceTax": "",
  "dishServiceCharge": "",
  "dishVat": "",
  "displayOrder": 1,
  "imgUrl": "image url",
  "packagingCharge": 10,
  "preparationTime": 10, in minutes
  "isCombo": 0,
  "offers": [
    {
      "discountCoupon": "DAD150",
      "discountCouponInfo": "150 rupees off on orders above 399"
    },
    {
      "couponCode": "DAD100",
      "discountCouponInfo": "100 rupees off on orders above 349"
    }
  ],
  "modifiers": [
```

```
{  
  "dishSKU":  
    "EXTRACHEESE", "dishName":  
    "Extra Cheese", "categorySKU":  
    "EXTRAS", "dishDescription":  
    "add ons", "dishPrice": [  
      {"HD" : 10 }, {"TA":0 }  
    ],  
  "dishActive": 1,  
  "imgUrl": "imageurl",  
  "dishServiceTax": 0,  
  "dishServiceCharge": 0,  
  "dishVat": 5  
}  
]  
}
```

## Place the online order

**URL:** [http:// 52.27.68.240:8081/SCM/rest/v0.1/onlineAppWebService/addOnlineOrder](http://52.27.68.240:8081/SCM/rest/v0.1/onlineAppWebService/addOnlineOrder)

**Description:** This is the API to be called with input JSON to make a online order. It takes the following JSON as a input and returns the success or failure response. For each field validations are applied and all fields are mandatory, if input JSON doesn't contains any field or contains wrong value for field, API will return respective failure response.

Input Json to be passsed for adding order into POS:

```
{
  "userName": "105",      Username to be provided by Torqus for production instances
  "password": "dumadum105", password to be provided by Torqus for production instances
  "type": "PARTNER",      Has to be PARTNER compulsorily
  "siteId": "105"         preshared ID for the restaurant
  "vendorId": "11"        preshared vendorId for the vendor
  "orders": [
    {
      "order_id": 4010561,  order id from your side,
      "customer_info": {
        "name": "test",
        "mobile": "9888888888"
      },
      "others": {
        "discount_coupon_array": { [

```

```
"discount_coupon": "COUPON100",
```

```
"discount_coupon_info": "info about coupon",
"discount_amount": 10 }
```

```
]
```

```
}
```

```
"instructions": "deliver fast",          separate instruction for entire order
```

```
"order_date_time": "2014-09-25 19:15:00",
```

```
"delivery_date_time": "2014-09-25 20:15:00",
```

```
"order_type": "HD"                      type of order e.g. home delivery (HD) ,take away (TA)
```

```
},
```

```
"items": [
```

```
{
```

```
  "item_sku": "PANEERTIKKABIRYANISINGLE", dish SKU, you will get this from getAllDishes
web service
```

```
  "item_name": "PaneerTikka Biryani-Single", dish name
```

```
  "quantity": 1,
```

```
  "per_item_price": 149,                dish price
```

```
  "per_item_sc": 8,
```

```
  "per_item_st": 8,
```

```
  "per_item_vat": 10,
```

```
  "per_item_discount": 10,
```

```
  "instructions": "Extra Paneer",      dish modifiers , per dish
```

```
  "packaging_charges": "0.00",        pakagingcharges , per dish
```

```
  "category_sku": "BIRYANI",          food category SKU, you will get this from
```



getAllFoodcategory web service

"discount\_coupon": "DAD20",      add discount coupon if any

"discount\_coupon\_info": "",      discount information if any

"discount\_amount": 10

"modifiers": [      modifiers for dish

{

  "item\_sku": "EXTRACHEESE",

  "item\_name": "Extra Cheese",

  "quantity": 1,

  "per\_item\_price": 25,

  "per\_item\_tax": 1.25,

  "category\_sku": "EXTRAS"

  "discount\_coupon": "DAD150",      add discount coupon if any

  "discount\_coupon\_info": "",      discount information if any

}

],

"orderComboDetails": [      if ordered dish is combo then  
orderComboDetails contains the dishes in combo

{

  "item\_sku": "MIXVEGWRAP",

  "item\_name": "Mix Veg Wrap",

  "quantity": 1,

  "per\_item\_price": 49,

  "instructions": "Make crispy",

  "category\_sku": "WRAPSANDROLLS"

"discount\_coupon": "DAD10",      add discount coupan if any

```
"discount_coupon_info": "",      discount information if any
```

```
},
```

```
{
```

```
  "item_sku": "GREENVEGWRAP",
```

```
  "item_name": "Green Veg
```

```
  Wrap", "quantity": 1,
```

```
  "per_item_price": 59,
```

```
  "instructions": "",
```

```
  "category_sku": "WRAPSANDROLLS" "discount_coupon":
```

```
  "",      add discount coupon if any
```

```
  "discount_coupon_info": "",      discount information if any
```

```
},
```

```
{
```

```
  "item_sku": "COKE",
```

```
  "item_name": "Coke",
```

```
  "quantity": 1,
```

```
  "per_item_price": 30,
```

```
  "instructions": "",
```

```
  "category_sku": "BEVERAGES"
```

```
  "discount_coupon": "DAD10",      add discount coupon if any
```

```
  "discount_coupon_info": "",      discount information if any
```



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```
}  
]  
}  
  
],  
"costing": {  
  
  "sub_total": 149,                subtotal of whole order  
  "delivery_charges": 1,          delivery charges if any  
  "payment_type": "online",       order type online, cod (cash on delivery)  
  "amount_paid": 0,              paid amount of order if any  
  "total": 154.18,               total bill  
  "balance": 154.18              balance amount of order if any  
},  
"address": {                      customer address info  
  "line1": "test1",  
  
  "line2": "test2",  
  
  "area": "Adarsh Nagar",  
  
  "landmark": "test",  
  
  "city": "Bangalore",  
  
  "pincode": "566656"  
}  
]
```

```
}
```

### Validations Applied On Different Fields For addOnlineOrder method:

1. "order\_id" which is the orderId of vendor, should be *numeric*.
2. "mobile" which is a contact number of customer should be *numeric*.
3. "pincode" which is provided in address of customer should be *numeric*.
4. "vendorId" Torqus will provide vendorId to all vendors, you have use the same while placing orders.
5. "order\_type" it should be either **HD** or **TA**
6. "payment\_type" it should be either **online** or **cod**
7. Mandatory fields in address object  
**line1 , area, city , pincode**
8. All fields are mandatory in customer\_info object
9. All fields are mandatory in others object instead of **instructions**
9. All fields are mandatory in items object
10. Use orderComboDetailObject if the ordered item is combo.

## Get Customer Details

URL :

<http://52.27.68.240:8081/SCM/rest/v0.1/onlineAppWebService/getCustomerDetails>

Description : This API will return all the previous orders details of customer for which the API is called. By using this one can get customer order history easily.

### Sample JSON Request:

```
{
  "userName": "105",           Username to be provided by Torqus for production instances
  "password": "dumadum105",   password to be provided by Torqus for production instances
  "type": "PARTNER",          Has to be PARTNER compulsorily
  "companyId": 1,             Preshared ID for the restaurant, or you can get this from getAllSites API
  "customerContact": "9898989898",
  "orders": "2"              send numbers of orders you need for the customer, send -1 if you need all orders
}
```

### Response returned In JSON:

```
{
  "contact": "9898989898",
  "name": "demo customer",
  "address": "customer address",
  "totalOrders": "5",
}
```



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```
"totalBill": "5",

"avgOrderAmount": "202",

"class": "1",

"orders": [

  {

    "torqusOrderId": "1052684",

    "vendorOrderId": "0",

    "siteId": "105",

    "bill": 500.00,

    "extraCharges": 10,

    "discount": 100,

    "orderDttm": "2014-09-25 19:15:00",

    "orderType": "HD",

    "paymentType":

    "online", "items": [

      {

        "itemSku": "2WRAPCOMBOANDCOKE",

        "itemName": "2 Wrap Combo And Coke",

        "quantity": 1, "perItemPrice":

        163, "perItemVat": 10,

        "perItemServiceTax": 10,

        "perItemServiceCharge": 10,

        "perItemDiscount": 10,

        "instructions": "Extra Paneer",

        "categorySku": "COMBOS",
```



```
"modifiers": [  
  {  
    "itemSku": "EXTRACHEESE",  
    "itemName": "Extra Cheese",  
    "quantity": 1,  
    "perItemPrice": 25,  
    "perItemVat": 1.25,  
    "perItemServiceTax": 1.25,  
    "perItemServiceCharge": 1.25,  
    "categorySku": "EXTRAS"  
  }  
],  
"orderComboDetails": [  
  {  
    "itemSku": "MIXVEGWRAP",  
    "itemName": "Mix Veg Wrap",  
    "quantity": 1,  
    "perItemPrice": 49, "instructions":  
    "Make crispy", "categorySku":  
    "WRAPSANDROLLS"  
  },  
  {  
    "itemSku": "GREENVEGWRAP",
```



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```
"itemName": "Green Veg Wrap",  
  
"quantity": 1,  
"perItemPrice": 59,  
"instructions": "",  
  
"categorySku": "WRAPSANDROLLS"
```

```
},
```

```
{
```

```
  "itemSku": "COKE",  
  "itemName": "Coke",  
  "quantity": 1,  
  "perItemPrice": 30,  
  "instructions": "",  
  "categorySku": "BEVERAGES"
```

```
}
```

```
]
```

```
}
```

```
]
```

```
}
```

```
]
```

```
,
```

```
"frequentlyOrderedItems":
```

```
[
```

```
{
```

```
  "itemSku": "COKE",
```



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```
"itemName": "Coke",  
  
"quantity": 1,  
  
"perItemPrice": 30,  
  
"instructions": "",  
  
"categorySku": "BEVERAGES"  
  
}  
  
,  
  
{  
  
    "itemSku": "COKE",  
  
    "itemName": "Coke",  
  
    "quantity": 1,  
  
    "perItemPrice": 30,  
  
    "instructions": "",  
  
    "categorySku": "BEVERAGES"  
  
}  
  
]  
  
}
```

## Get Order Status

**URL :** [http:// 52.27.68.240:8081/SCM/rest/v0.1/onlineAppWebService/getOrderStatus](http://52.27.68.240:8081/SCM/rest/v0.1/onlineAppWebService/getOrderStatus)

**Description :** This API will return different order status for online orders placed through various vendors. By using this API one can easily trace the current state of order at Torqus POS.

### Input Json :

```
{  
  "userName" : "105",  
  "password" : "dumadum105",  
  "vendorId" : "11",  
  "vendorOrderId" : "88080",  
  "type" : "PARTNER"  
}
```

### Json Returned :

```
{  
  "vendorOrderId": "88080",  
  "torqusOrderId": "105898956",  
  "vendorDttm": "2015-08-22 12:49:20",  
  "torqusDttm": "2015-08-22 12:50:10",  
  "customerContact": "9503322007",  
  "status": [  
    {  
      "orderStatus": 1,  
      "orderStatusDttm": "2015-08-22 12:50:10"
```

```
},  
  
{  
  "orderStatus": 2,  
  "orderStatusDttm": "2015-08-22 12:55:10"  
}  
]  
}
```

### **Constants For Different Order Status :**

```
STATUS_ORDER_CRATED = 1;  
STATUS_ORDER_ACCEPTED = 2;  
STATUS_ORDER_REJECTED = 3;  
STATUS_KOT_PRINTED = 4;  
STATUS_BILL_PRINTED = 5;  
STATUS_ORDER_NC = 6;  
STATUS_ORDER_CANCELLED = 7;  
STATUS_READY_FOR_DELIVERY = 8;  
STATUS_OUT_FOR_DELIVERY = 9;  
STATUS_PAYMENT_DONE = 10;  
STATUS_ORDER_COMPLETED = 11;
```

### **For Online Orders Important Order Status :**

```
STATUS_ORDER_CRATED --> STATUS_ORDER_ACCEPTED --> STATUS_KOT_PRINTED -->  
STATUS_READY_FOR_DELIVERY --> STATUS_OUT_FOR_DELIVERY --> STATUS_ORDER_COMPLETED
```



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