

COSCO Syncon Hub API Specification for Spot Rate

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City Information Query Interface

Fuzzy query of the city information maintained by the platform based on the keywords of the city name. The returned city id can be used as the origin / destination location id for the Spot Rate query interface.

1. Informations

- **Path:** /service/synconhub/common/city/search
- **Method:** POST

2. Request parameters

| Name | Type | Required | Description | Remarks |
|----------|---------|----------|--------------------|--------------------------------|
| keywords | String | yes | city name keywords | |
| page | Integer | no | page number | default:1, minimum:1 |
| size | Integer | no | page size | default:30, minimum:1, maximum |

3. Request sample

```

1  {
2      "keywords": "shenzhen",
3      "page": 1,
4      "size": 30
5  }
```

4. Response parameters

| Name | Description |
|---------|--|
| code | status code |
| message | detail message |
| data | Paging query results (sorted by city name) |

5. Response sample

```

1  {
2      "code": 0,
3      "message": "",
4      "data": {
5          "content": [
6              {
7                  "id": "738872886233057", // city id
8                  "unlocode": "CNSZN", // port code
9                  "cityName": "Shenzhen",
10                 "cntyName": "Shenzhen", // county name
11                 "stateName": "Guangdong",
12                 "stateCode": "GD",
13                 "ctryName": "China", // country name
14                 "ctryCode": "CN", // country code
15                 "cityFullNameEn": "Shenzhen",
16                 "cityFullNameCn": "深圳"
17             }
18         ],
19         "number": 1,
```

```

20         "size": 30,
21         "totalPages": 1,
22         "totalElements": 1,
23         "first": true, // is first page
24         "last": true, // is last page
25         "empty": false
26     }
27 }

```

6. Error sample

```

1  {
2      "code": 20041,
3      "message": "the page size should be between 0 and 30."
4  }

```

Spot Rate Query Interface

1. Informations

- **Path:** /service/synconhub/product/instantBooking/search
- **Method:** POST

2. Request parameters

| Name | Type | Required | Description | Remarks |
|-----------|---------|----------|--------------------------------------|----------------------------------|
| startDate | ISODate | yes | the start date of sailing date scope | |
| endDate | ISODate | no | the end of Sailing date scope | |
| porCityId | string | yes | por city id | |
| fndCityId | string | yes | fnd city id | |
| page | integer | yes | page size | default:1, minimum:1 |
| size | integer | yes | record size | default:20, range:[1, 50] |

3. Request sample

```

1  {
2      "startDate": "2020-06-01T00:00:00.000Z",
3      "endDate": "2020-07-30T00:00:00.000Z",
4      "fndCityId": 738872886233842,
5      "porCityId": 738872886232873,
6      "page": 1,
7      "size": 20
8  }

```

4. Response parameters

| Name | Description |
|---------|---|
| code | status code |
| message | detail message |
| data | pagination to return product information that meets the query conditions. (sorted by ETD by default) |

5. Response sample

```
1  {
2      "code": 0,
3      "message": "",
4      "data": {
5          "content": [
6              {
7                  "id": "8a80cb817321ad030173221c880101d2",
8                  "tradeLaneCode": "AEU",
9                  "serviceCode": "AEM5",
10                 "tradeArea": "ETD",
11                 "vesselName": "COSCO YANTIAN",
12                 "voyageNo": "020",
13                 "direction": "W",
14                 "porFacilityCode": null,
15                 "porFacilityName": null,
16                 "porFacilityNameCn": null,
17                 "fndFacilityName": null,
18                 "fndFacilityNameCn": null,
19                 "fndFacilityCode": null,
20                 "haulageType": "CY-CY",
21                 "estimatedTransitTimeInDays": 30,
22                 "effectiveStartDate": "2020-07-05T00:00:00.000Z",
23                 "effectiveEndDate": "2020-12-23T23:59:59.000Z",
24                 "eta": "2020-09-07 00:00",
25                 "etd": "2020-08-04 00:00",
26                 "inventory": 717,
27                 "polTsMode": null, // pol transit mode
28                 "podTsMode": null, // pod transit mode
29                 "porCity": { // por city info, for the specific structure,
30                     please refer to 'City information query interface'
31                     "id": "738872886233044",
32                     "unlocode": "CNSHE",
33                     "cityName": "Shekou",
34                     "cntyName": "Shenzhen",
35                     "stateName": "Guangdong",
36                     "stateCode": "GD",
37                     "ctryName": "China",
38                     "ctryCode": "CN",
39                     "cityFullNameEn": "Shekou",
40                     "cityFullNameCn": "蛇口"
41                 },
42                 "fndCity": {
43                     "id": "738872886271836",
```

```

43         "unlocode": "ZADUR",
44         "cityName": "Durban",
45         "cntyName": null,
46         "stateName": "KwaZulu-Natal",
47         "stateCode": null,
48         "ctryName": "South Africa",
49         "ctryCode": "ZA",
50         "cityFullNameEn": "Durban",
51         "cityFullNameCn": "德班"
52     },
53     "polPort": {
54         "id": "349645770723389",
55         "portName": "Shekou",
56         "portCode": "SHK",
57         "portFullNameEn": "Shekou",
58         "portFullNameCn": "蛇口",
59         "city": {
60             "id": "738872886233044",
61             "unlocode": "CNSHE",
62             "cityName": "Shekou",
63             "cntyName": "Shenzhen",
64             "stateName": "Guangdong",
65             "stateCode": "GD",
66             "ctryName": "China",
67             "ctryCode": "CN",
68             "cityFullNameEn": "Shekou",
69             "cityFullNameCn": "蛇口"
70         }
71     },
72     "podPort": {
73         "id": "349647918206992",
74         "portName": "Durban",
75         "portCode": "DUR",
76         "portFullNameEn": "Durban",
77         "portFullNameCn": "Durban",
78         "city": {
79             "id": "738872886271836",
80             "unlocode": "ZADUR",
81             "cityName": "Durban",
82             "cntyName": null,
83             "stateName": "KwaZulu-Natal",
84             "stateCode": null,
85             "ctryName": "South Africa",
86             "ctryCode": "ZA",
87             "cityFullNameEn": "Durban",
88             "cityFullNameCn": "德班"
89         }
90     },
91     "firstPolPort": {
92         "id": "349645770723389",
93         "portName": "Shekou",
94         "portCode": "SHK",
95         "portFullNameEn": "Shekou",
96         "portFullNameCn": "蛇口",
97         "city": {
98             "id": "738872886233044",
99             "unlocode": "CNSHE",
100            "cityName": "Shekou",

```

```

101         "cntyName": "Shenzhen",
102         "stateName": "Guangdong",
103         "stateCode": "GD",
104         "ctryName": "China",
105         "ctryCode": "CN",
106         "cityFullNameEn": "Shekou",
107         "cityFullNameCn": "蛇口"
108     }
109 },
110 "lastPodPort": {
111     "id": "349647918206992",
112     "portName": "Durban",
113     "portCode": "DUR",
114     "portFullNameEn": "Durban",
115     "portFullNameCn": "Durban",
116     "city": {
117         "id": "738872886271836",
118         "unlocode": "ZADUR",
119         "cityName": "Durban",
120         "cntyName": null,
121         "stateName": "KwaZulu-Natal",
122         "stateCode": null,
123         "ctryName": "South Africa",
124         "ctryCode": "ZA",
125         "cityFullNameEn": "Durban",
126         "cityFullNameCn": "德班"
127     }
128 },
129 "scheduleData": {
130     "origin": {
131         "id": "738872886233044",
132         "unlocode": "CNSHE",
133         "cityName": "Shekou",
134         "cntyName": "Shenzhen",
135         "stateName": "Guangdong",
136         "stateCode": "GD",
137         "ctryName": "China",
138         "ctryCode": "CN",
139         "cityFullNameEn": "Shekou",
140         "cityFullNameCn": "蛇口"
141     },
142     "destination": {
143         "id": "738872886271836",
144         "unlocode": "ZADUR",
145         "cityName": "Durban",
146         "cntyName": null,
147         "stateName": "KwaZulu-Natal",
148         "stateCode": null,
149         "ctryName": "South Africa",
150         "ctryCode": "ZA",
151         "cityFullNameEn": "Durban",
152         "cityFullNameCn": "德班"
153     },
154     "porFacilityCode": null,
155     "fndFacilityCode": null,
156     "legs": [
157         {
158             "carrier": null,

```

```

159         "service": {
160             "serviceCode": "AEM5",
161             "serviceId": null
162         },
163         "vessel": {
164             "vesselName": "COSCO YANTIAN",
165             "vesselId": null,
166             "vesselCode": null
167         },
168         "voyageCode": null,
169         "internalVoyageNumber": "020",
170         "externalVoyageNumber": "020W",
171         "pol": {
172             "port": {
173                 "id": "349645770723389",
174                 "portName": "shekou",
175                 "portCode": "SHK",
176                 "portFullNameEn": "Shekou",
177                 "portFullNameCn": "蛇口",
178                 "city": null
179             },
180             "etd": "2020-08-04 00:00",
181             "atd": null,
182             "eta": null,
183             "ata": null,
184             "facilityCode": null
185         },
186         "pod": {
187             "port": {
188                 "id": "349647918206992",
189                 "portName": "Durban",
190                 "portCode": "DUR",
191                 "portFullNameEn": "Durban",
192                 "portFullNameCn": "Durban",
193                 "city": null
194             },
195             "etd": null,
196             "atd": null,
197             "eta": "2020-09-07 00:00",
198             "ata": null,
199             "facilityCode": null
200         },
201         "legSequence": 0,
202         "direction": "W",
203         "transportMode": null
204     }
205 ],
206 "cutOffLocalDate": null,
207 "estimatedTransitTimeInDays": 30,
208 "etaAtFnd": "2020-09-07 00:00",
209 "etdAtPor": "2020-08-04 00:00",
210 "serviceCode": "AEM5",
211 "vesselName": "COSCO YANTIAN",
212 "direction": "W",
213 "voyageNo": "020"
214 },
215 "routeProductPricingList": [
216     {

```

```

217         "cntrType": "20GP",
218         "price": 2.00,
219         "tradePrice": 0.50, //tradePrice = price -
promotions - discounts
220         "currency": "USD",
221     },
222 ],
223     "promotions": {
224         "detail": [
225             {
226                 "promotionType": "OFF",
227                 "remnantInventory": 40,
228                 "summary": "订单下箱型20GP、40GP、40HQ每UNIT立减
1USD。",
229                 "priority": 1
230             }
231         ]
232     },
233     "companyDiscountsInfoDTO": [
234         {
235             "channelCntr": "20GP",
236             "amount": 0.5,
237             "currencyType": "USD"
238         }
239     ]
240 },
241 ],
242 "number": 1,
243 "size": 20,
244 "totalPages": 1,
245 "totalElements": 1,
246 "first": true, // is first page
247 "last": true, // is last page
248 "empty": false
249 }
250 }

```

6. Error sample

```

1  {
2      "code": "20000",
3      "message": "cannot identify the user, please contact support for help"
4  }

```

Spot Rate Details Query Interface

1. Informations

- **Path:** /service/synconhub/product/instantBooking/{productId}
- **Method:** GET

2. Path parameters

| Name | Type | Required | Description |
|-----------|--------|----------|-------------|
| productId | string | yes | product id |

3. Request sample

```
1 GET
  /service/synconhub/product/instantBooking/8a5e11157351b2df01735562622a0000
```

4. Response parameters

| Name | Description |
|---------|---------------------|
| code | status code |
| message | detail message |
| data | product detail info |

5. Response sample

```
1 {
2   "code": 0,
3   "message": "",
4   "data": {
5     "id": "8a5e11157351b2df01735562622a0000",
6     "tradeLaneCode": "AEU",
7     "serviceCode": "AEU2",
8     "tradeArea": "ETD",
9     "vesselName": "APL VANDA",
10    "voyageNo": "022",
11    "direction": "W",
12    "porFacilityCode": "SHA08",
13    "porFacilityName": "Shanghai Shengdong (I), Yangshan",
14    "porFacilityNameCn": null,
15    "fndFacilityName": "Eurogate Terminal",
16    "fndFacilityNameCn": null,
17    "fndFacilityCode": "HAM02",
18    "haulageType": "CY-CY",
19    "estimatedTransitTimeInDays": 30,
20    "effectiveStartDate": "2020-07-05T00:00:00.000Z",
21    "effectiveEndDate": "2020-12-23T23:59:59.000Z",
22    "eta": "2020-09-16 00:00",
23    "etd": "2020-08-12 00:00",
24    "inventory": 396,
25    "polTsMode": null, // pol transit mode
26    "podTsMode": null, // pod transit mode
27    "porCity": { // por city info, for the specific structure, please
refer to 'City information query interface'
28      "id": "738872886232873",
29      "unlocode": "CNSHA",
30      "cityName": "Shanghai",
31      "cntyName": "Shanghai",
32      "stateName": "Shanghai",
33      "stateCode": "SH",
```

```

34         "ctryName": "China",
35         "ctryCode": "CN",
36         "cityFullNameEn": "Shanghai",
37         "cityFullNameCn": "上海"
38     },
39     "fndCity": {
40         "id": "738872886254648",
41         "unlocode": "DEHAM",
42         "cityName": "Hamburg",
43         "cntyName": null,
44         "stateName": "Hamburg",
45         "stateCode": "HH",
46         "ctryName": "Germany",
47         "ctryCode": "DE",
48         "cityFullNameEn": "Hamburg",
49         "cityFullNameCn": "汉堡"
50     },
51     "polPort": {
52         "id": "349657045012458",
53         "portName": "Shanghai",
54         "portCode": "SHA",
55         "portFullNameEn": "Shanghai",
56         "portFullNameCn": "上海",
57         "city": {
58             "id": "738872886232873",
59             "unlocode": "CNSHA",
60             "cityName": "Shanghai",
61             "cntyName": "Shanghai",
62             "stateName": "Shanghai",
63             "stateCode": "SH",
64             "ctryName": "China",
65             "ctryCode": "CN",
66             "cityFullNameEn": "Shanghai",
67             "cityFullNameCn": "上海"
68         }
69     },
70     "podPort": {
71         "id": "349645770723600",
72         "portName": "Hamburg",
73         "portCode": "HAM",
74         "portFullNameEn": "Hamburg",
75         "portFullNameCn": "Hamburg",
76         "city": {
77             "id": "738872886254648",
78             "unlocode": "DEHAM",
79             "cityName": "Hamburg",
80             "cntyName": null,
81             "stateName": "Hamburg",
82             "stateCode": "HH",
83             "ctryName": "Germany",
84             "ctryCode": "DE",
85             "cityFullNameEn": "Hamburg",
86             "cityFullNameCn": "汉堡"
87         }
88     },
89     "firstPolPort": {
90         "id": "349657045012458",
91         "portName": "Shanghai",

```

```
92     "portCode": "SHA",
93     "portFullNameEn": "Shanghai",
94     "portFullNameCn": "上海",
95     "city": {
96         "id": "738872886232873",
97         "unlocode": "CNSHA",
98         "cityName": "Shanghai",
99         "cntyName": "Shanghai",
100        "stateName": "Shanghai",
101        "stateCode": "SH",
102        "ctryName": "China",
103        "ctryCode": "CN",
104        "cityFullNameEn": "Shanghai",
105        "cityFullNameCn": "上海"
106    }
107 },
108 "lastPodPort": {
109     "id": "349645770723600",
110     "portName": "Hamburg",
111     "portCode": "HAM",
112     "portFullNameEn": "Hamburg",
113     "portFullNameCn": "Hamburg",
114     "city": {
115         "id": "738872886254648",
116         "unlocode": "DEHAM",
117         "cityName": "Hamburg",
118         "cntyName": null,
119         "stateName": "Hamburg",
120         "stateCode": "HH",
121         "ctryName": "Germany",
122         "ctryCode": "DE",
123         "cityFullNameEn": "Hamburg",
124         "cityFullNameCn": "汉堡"
125     }
126 },
127 "scheduleData": {
128     "origin": {
129         "id": "738872886232873",
130         "unlocode": "CNSHA",
131         "cityName": "Shanghai",
132         "cntyName": "Shanghai",
133         "stateName": "Shanghai",
134         "stateCode": "SH",
135         "ctryName": "China",
136         "ctryCode": "CN",
137         "cityFullNameEn": "Shanghai",
138         "cityFullNameCn": "上海"
139     },
140     "destination": {
141         "id": "738872886254648",
142         "unlocode": "DEHAM",
143         "cityName": "Hamburg",
144         "cntyName": null,
145         "stateName": "Hamburg",
146         "stateCode": "HH",
147         "ctryName": "Germany",
148         "ctryCode": "DE",
149         "cityFullNameEn": "Hamburg",
```

```

150         "cityFullNameCn": "汉堡"
151     },
152     "porFacilityCode": "SHA08",
153     "fndFacilityCode": "HAM02",
154     "legs": [
155         {
156             "carrier": null,
157             "service": {
158                 "serviceCode": "AEU2",
159                 "serviceId": null
160             },
161             "vessel": {
162                 "vesselName": "APL VANDA",
163                 "vesselId": null,
164                 "vesselCode": null
165             },
166             "voyageCode": null,
167             "internalVoyageNumber": "022",
168             "externalVoyageNumber": "022W",
169             "pol": {
170                 "port": {
171                     "id": "349657045012458",
172                     "portName": "Shanghai",
173                     "portCode": "SHA",
174                     "portFullNameEn": "Shanghai",
175                     "portFullNameCn": "上海",
176                     "city": null
177                 },
178                 "etd": "2020-08-12 00:00",
179                 "atd": null,
180                 "eta": null,
181                 "ata": null,
182                 "facilityCode": "SHA08"
183             },
184             "pod": {
185                 "port": {
186                     "id": "349645770723600",
187                     "portName": "Hamburg",
188                     "portCode": "HAM",
189                     "portFullNameEn": "Hamburg",
190                     "portFullNameCn": "Hamburg",
191                     "city": null
192                 },
193                 "etd": null,
194                 "atd": null,
195                 "eta": "2020-09-16 00:00",
196                 "ata": null,
197                 "facilityCode": "HAM02"
198             },
199             "legSequence": 0,
200             "direction": "W",
201             "transportMode": null
202         }
203     ],
204     "cutOffLocalDate": null,
205     "estimatedTransitTimeInDays": 30,
206     "etaAtFnd": "2020-09-16 00:00",
207     "etdAtPor": "2020-08-12 00:00",

```

```

208         "serviceCode": "AEU2",
209         "vesselName": "APL VANDA",
210         "direction": "W",
211         "voyageNo": "022"
212     },
213     "routeProductPricingList": [
214         {
215             "cntrType": "20GP",
216             "price": 2.00,
217             "tradePrice": 0.50,
218             "currency": "USD"
219         }
220     ],
221     "promotions": {
222         "detail": [
223             {
224                 "promotionType": "OFF",
225                 "remnantInventory": 51,
226                 "summary": "订单下箱型20GP、40GP、40HQ每UNIT立减1USD。",
227                 "priority": 1, // usage priority
228             }
229         ]
230     },
231     "companyDiscountsInfoDTO": [
232         {
233             "channelCntr": "20GP",
234             "amount": 0.5,
235             "currencyType": "USD",
236         }
237     ],
238     "couponInfos": [
239         {
240             "couponId": "8a5e11227152917a017152b6049f0002",
241             "inventory": 10,
242             "displayName": "test",
243             "value": 1,
244             "currency": "USD",
245             "minOceanFee": 1, // minimum use interval of ocean fee
246             "maxOceanFee": 10, // maximum use interval of ocean fee
247             "maxUseLimit": 2, // use limit
248             "usageUnit": "UNIT"
249         }
250     ],
251 }
252 }
```

6. Error sample

```

1  {
2      "code": "20000",
3      "message": "cannot identify the user, please contact support for help"
4  }
```

Surcharge Query Interface

Get the surcharge details of a specific product.

1. Informations

- **Path:** /service/synconhub/common/extraChargeFee/\${productId}
- **Method:** GET

2. Path parameters

| Name | Type | Required | Description |
|-----------|--------|----------|-------------|
| productId | String | yes | product id |

3. Request sample

```
1 GET /service/synconhub/common/extraChargeFee/8a80cb817321ad030173221c880101d2
```

4. Response parameters

| Name | Description |
|---------|----------------|
| code | status code |
| message | detail message |
| data | response data |

5. Response sample

```
1 {
2   "code": 0,
3   "message": "",
4   "data": [
5     {
6       "chargeModel": "BL",
7       "cntrSize": null, // container type
8       "chargeDetail": [ // detail info
9         {
10          "chargeCode": "DOC",
11          "chargeName": "DOC",
12          "chargeType": "DOC",
13          "chargeTag": "POR",
14          "price": 666,
15          "currency": "USD",
16          "category": null // charge category
17        }
18      ]
19    },
20    {
21      "chargeModel": "CNTR",
22      "cntrSize": "20GP",
23      "chargeDetail": [
24        {
25          "chargeCode": "255",
```

```
26         "chargeName": "工本费",
27         "chargeType": "CNTR_LOCAL",
28         "chargeTag": "POR",
29         "price": 10,
30         "currency": "USD",
31         "category": "EXTRA_CHARGE"
32     }
33 ]
34 }
35 ]
36 }
```

6. Error sample

```
1 {
2     "code": 20001,
3     "message": "cannot proceed the request, please retry later or contact
4     support for help"
5 }
```