

COSCO Syncon Hub API Specification for Spot Rate

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Http Header

HTTP header information description

HTTP Header	Type	Required	Description	Remarks
X-Consumer-Forwarder-ID	String	no	Forwarder company sapId	

- X-Consumer-Forwarder-ID

If you want to submit an order/booking for your subsidiary,add this header to the request.The value is sapId of the subsidiary

X-Consumer-Forwarder-ID: 1234567890

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

```
{
  "keywords": "shenzhen",
  "page": 1,
  "size": 30
}
```

4. Response parameters

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

5. Response sample

```
{
  "code": 0,
  "message": "",
  "data": {
    "content": [
      {
        "id": "738872886233057", // city id
        "unlocode": "CNSZN", // port code
      }
    ]
  }
}
```

```

        "cityName": "Shenzhen",
        "cntyName": "Shenzhen", // county name
        "stateName": "Guangdong",
        "stateCode": "GD",
        "ctryRegionName": "China", // country / region name
        "ctryRegionCode": "CN", // country / region code
        "cityFullNameEn": "Shenzhen",
        "cityFullNameCn": "深圳"
    }
],
"number": 1,
"size": 30,
"totalPages": 1,
"totalElements": 1,
"first": true, // is first page
"last": true, // is last page
"empty": false
}
}

```

6. Error sample

```

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

```

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

```
{
  "startDate": "2020-06-01T00:00:00.000Z",
  "endDate": "2020-07-30T00:00:00.000Z",
  "fndCityId": 738872886233842,
  "porCityId": 738872886232873,
  "page": 1,
  "size": 20
}
```

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

```
{
  "code": 0,
  "message": "",
  "data": {
    "content": [
      {
        "id": "8a80cb817321ad030173221c880101d2",
        "tradeLaneCode": "AEU",
        "serviceCode": "AEM5",
        "tradeArea": "ETD",
        "vesselName": "COSCO YANTIAN",
        "voyageNo": "020",
        "direction": "W",
        "porFacilityCode": null,
        "porFacilityName": null,
        "porFacilityNameCn": null,
        "fndFacilityName": null,
        "fndFacilityNameCn": null,
        "fndFacilityCode": null,
        "haulageType": "CY-CY",
        "estimatedTransitTimeInDays": 30,
        "effectiveStartDate": "2020-07-05T00:00:00.000Z",
        "effectiveEndDate": "2020-12-23T23:59:59.000Z",
        "eta": "2020-09-07 00:00",
        "etd": "2020-08-04 00:00",
        "inventory": 717,
        "polTsMode": null, // pol transit mode
        "podTsMode": null, // pod transit mode
        "porCity": { // por city info, for the specific structure, please
          refer to 'City information query interface'
          "id": "738872886233044",

```

```

        "unlocode": "CNSHE",
        "cityName": "Shekou",
        "cntyName": "Shenzhen",
        "stateName": "Guangdong",
        "stateCode": "GD",
        "ctryRegionName": "China",
        "ctryRegionCode": "CN",
        "cityFullNameEn": "Shekou",
        "cityFullNameCn": "蛇口"
    },
    "fndCity": {
        "id": "738872886271836",
        "unlocode": "ZADUR",
        "cityName": "Durban",
        "cntyName": null,
        "stateName": "KwaZulu-Natal",
        "stateCode": null,
        "ctryRegionName": "South Africa",
        "ctryRegionCode": "ZA",
        "cityFullNameEn": "Durban",
        "cityFullNameCn": "德班"
    },
    "polPort": {
        "id": "349645770723389",
        "portName": "Shekou",
        "portCode": "SHK",
        "portFullNameEn": "Shekou",
        "portFullNameCn": "蛇口",
        "city": {
            "id": "738872886233044",
            "unlocode": "CNSHE",
            "cityName": "Shekou",
            "cntyName": "Shenzhen",
            "stateName": "Guangdong",
            "stateCode": "GD",
            "ctryRegionName": "China",
            "ctryRegionCode": "CN",
            "cityFullNameEn": "Shekou",
            "cityFullNameCn": "蛇口"
        }
    },
    "podPort": {
        "id": "349647918206992",
        "portName": "Durban",
        "portCode": "DUR",
        "portFullNameEn": "Durban",
        "portFullNameCn": "Durban",
        "city": {
            "id": "738872886271836",
            "unlocode": "ZADUR",
            "cityName": "Durban",
            "cntyName": null,
            "stateName": "KwaZulu-Natal",
            "stateCode": null,
            "ctryRegionName": "South Africa",
            "ctryRegionCode": "ZA",
            "cityFullNameEn": "Durban",
            "cityFullNameCn": "德班"
        }
    }
}

```

```
}
},
"firstPolPort": {
  "id": "349645770723389",
  "portName": "Shekou",
  "portCode": "SHK",
  "portFullNameEn": "Shekou",
  "portFullNameCn": "蛇口",
  "city": {
    "id": "738872886233044",
    "unlocode": "CNSHE",
    "cityName": "Shekou",
    "cntyName": "Shenzhen",
    "stateName": "Guangdong",
    "stateCode": "GD",
    "ctryRegionName": "China",
    "ctryRegionCode": "CN",
    "cityFullNameEn": "Shekou",
    "cityFullNameCn": "蛇口"
  }
},
"lastPodPort": {
  "id": "349647918206992",
  "portName": "Durban",
  "portCode": "DUR",
  "portFullNameEn": "Durban",
  "portFullNameCn": "Durban",
  "city": {
    "id": "738872886271836",
    "unlocode": "ZADUR",
    "cityName": "Durban",
    "cntyName": null,
    "stateName": "KwaZulu-Natal",
    "stateCode": null,
    "ctryRegionName": "South Africa",
    "ctryRegionCode": "ZA",
    "cityFullNameEn": "Durban",
    "cityFullNameCn": "德班"
  }
},
"scheduleData": {
  "origin": {
    "id": "738872886233044",
    "unlocode": "CNSHE",
    "cityName": "Shekou",
    "cntyName": "Shenzhen",
    "stateName": "Guangdong",
    "stateCode": "GD",
    "ctryRegionName": "China",
    "ctryRegionCode": "CN",
    "cityFullNameEn": "Shekou",
    "cityFullNameCn": "蛇口"
  },
  "destination": {
    "id": "738872886271836",
    "unlocode": "ZADUR",
    "cityName": "Durban",
    "cntyName": null,
```

```
    "stateName": "KwaZulu-Natal",
    "stateCode": null,
    "ctryRegionName": "South Africa",
    "ctryRegionCode": "ZA",
    "cityFullNameEn": "Durban",
    "cityFullNameCn": "德班"
  },
  "porFacilityCode": null,
  "fndFacilityCode": null,
  "legs": [
    {
      "carrier": null,
      "service": {
        "serviceCode": "AEM5",
        "serviceId": null
      },
      "vessel": {
        "vesselName": "COSCO YANTIAN",
        "vesselId": null,
        "vesselCode": null
      },
      "voyageCode": null,
      "internalVoyageNumber": "020",
      "externalVoyageNumber": "020W",
      "pol": {
        "port": {
          "id": "349645770723389",
          "portName": "Shekou",
          "portCode": "SHK",
          "portFullNameEn": "Shekou",
          "portFullNameCn": "蛇口",
          "city": null
        },
        "etd": "2020-08-04 00:00",
        "atd": null,
        "eta": null,
        "ata": null,
        "facilityCode": null
      },
      "pod": {
        "port": {
          "id": "349647918206992",
          "portName": "Durban",
          "portCode": "DUR",
          "portFullNameEn": "Durban",
          "portFullNameCn": "Durban",
          "city": null
        },
        "etd": null,
        "atd": null,
        "eta": "2020-09-07 00:00",
        "ata": null,
        "facilityCode": null
      },
      "legSequence": 0,
      "direction": "W",
      "transportMode": null
    }
  ]
}
```

```

    ],
    "cutOffLocalDate": null,
    "estimatedTransitTimeInDays": 30,
    "etaAtFnd": "2020-09-07 00:00",
    "etdAtPor": "2020-08-04 00:00",
    "serviceCode": "AEM5",
    "vesselName": "COSCO YANTIAN",
    "direction": "W",
    "voyageNo": "020"
  },
  "routeProductPricingList": [
    {
      "cntrType": "20GP",
      "price": 2.00,
      "tradePrice": 0.50, //tradePrice = price - promotions -
discounts
      "currency": "USD",
    }
  ],
  "promotions": {
    "detail": [
      {
        "promotionType": "OFF",
        "remnantInventory": 40,
        "summary": "订单下箱型20GP、40GP、40HQ每UNIT立减1USD。",
        "priority": 1
      }
    ]
  },
  "companyDiscountsInfoDTO": [
    {
      "channelCntr": "20GP",
      "amount": 0.5,
      "currencyType": "USD"
    }
  ]
},
{
  "number": 1,
  "size": 20,
  "totalPages": 1,
  "totalElements": 1,
  "first": true, // is first page
  "last": true, // is last page
  "empty": false
}
}

```

6. Error sample

```

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

```


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

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

4. Response parameters

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

5. Response sample

```
{
  "code": 0,
  "message": "",
  "data": {
    "id": "8a5e11157351b2df01735562622a0000",
    "tradeLaneCode": "AEU",
    "serviceCode": "AEU2",
    "tradeArea": "ETD",
    "vesselName": "APL VANDA",
    "voyageNo": "022",
    "direction": "W",
    "porFacilityCode": "SHA08",
    "porFacilityName": "Shanghai Shengdong (I), Yangshan",
    "porFacilityNameCn": null,
    "fndFacilityName": "Eurogate Terminal",
    "fndFacilityNameCn": null,
    "fndFacilityCode": "HAM02",
    "haulageType": "CY-CY",
    "estimatedTransitTimeInDays": 30,
    "effectiveStartDate": "2020-07-05T00:00:00.000Z",
    "effectiveEndDate": "2020-12-23T23:59:59.000Z",
    "eta": "2020-09-16 00:00",
    "etd": "2020-08-12 00:00",
    "inventory": 396,
  }
}
```

```
"polTsMode": null, // pol transit mode
"podTsMode": null, // pod transit mode
"porCity": { // por city info, for the specific structure, please refer
to 'City information query interface'
    "id": "738872886232873",
    "unlocode": "CNSHA",
    "cityName": "Shanghai",
    "cntyName": "Shanghai",
    "stateName": "Shanghai",
    "stateCode": "SH",
    "ctryRegionName": "China",
    "ctryRegionCode": "CN",
    "cityFullNameEn": "Shanghai",
    "cityFullNameCn": "上海"
},
"fndCity": {
    "id": "738872886254648",
    "unlocode": "DEHAM",
    "cityName": "Hamburg",
    "cntyName": null,
    "stateName": "Hamburg",
    "stateCode": "HH",
    "ctryRegionName": "Germany",
    "ctryRegionCode": "DE",
    "cityFullNameEn": "Hamburg",
    "cityFullNameCn": "汉堡"
},
"polPort": {
    "id": "349657045012458",
    "portName": "Shanghai",
    "portCode": "SHA",
    "portFullNameEn": "Shanghai",
    "portFullNameCn": "上海",
    "city": {
        "id": "738872886232873",
        "unlocode": "CNSHA",
        "cityName": "Shanghai",
        "cntyName": "Shanghai",
        "stateName": "Shanghai",
        "stateCode": "SH",
        "ctryRegionName": "China",
        "ctryRegionCode": "CN",
        "cityFullNameEn": "Shanghai",
        "cityFullNameCn": "上海"
    }
},
"podPort": {
    "id": "349645770723600",
    "portName": "Hamburg",
    "portCode": "HAM",
    "portFullNameEn": "Hamburg",
    "portFullNameCn": "Hamburg",
    "city": {
        "id": "738872886254648",
        "unlocode": "DEHAM",
        "cityName": "Hamburg",
        "cntyName": null,
        "stateName": "Hamburg",
```

```
        "stateCode": "HH",
        "ctryRegionName": "Germany",
        "ctryRegionCode": "DE",
        "cityFullNameEn": "Hamburg",
        "cityFullNameCn": "汉堡"
    },
    },
    "firstPolPort": {
        "id": "349657045012458",
        "portName": "Shanghai",
        "portCode": "SHA",
        "portFullNameEn": "Shanghai",
        "portFullNameCn": "上海",
        "city": {
            "id": "738872886232873",
            "unlocode": "CNSHA",
            "cityName": "Shanghai",
            "cntyName": "Shanghai",
            "stateName": "Shanghai",
            "stateCode": "SH",
            "ctryRegionName": "China",
            "ctryRegionCode": "CN",
            "cityFullNameEn": "Shanghai",
            "cityFullNameCn": "上海"
        }
    },
    },
    "lastPodPort": {
        "id": "349645770723600",
        "portName": "Hamburg",
        "portCode": "HAM",
        "portFullNameEn": "Hamburg",
        "portFullNameCn": "Hamburg",
        "city": {
            "id": "738872886254648",
            "unlocode": "DEHAM",
            "cityName": "Hamburg",
            "cntyName": null,
            "stateName": "Hamburg",
            "stateCode": "HH",
            "ctryRegionName": "Germany",
            "ctryRegionCode": "DE",
            "cityFullNameEn": "Hamburg",
            "cityFullNameCn": "汉堡"
        }
    },
    },
    "scheduleData": {
        "origin": {
            "id": "738872886232873",
            "unlocode": "CNSHA",
            "cityName": "Shanghai",
            "cntyName": "Shanghai",
            "stateName": "Shanghai",
            "stateCode": "SH",
            "ctryRegionName": "China",
            "ctryRegionCode": "CN",
            "cityFullNameEn": "Shanghai",
            "cityFullNameCn": "上海"
        },
    },
```

```
"destination": {
  "id": "738872886254648",
  "unlocode": "DEHAM",
  "cityName": "Hamburg",
  "cntyName": null,
  "stateName": "Hamburg",
  "stateCode": "HH",
  "ctryRegionName": "Germany",
  "ctryRegionCode": "DE",
  "cityFullNameEn": "Hamburg",
  "cityFullNameCn": "汉堡"
},
"porFacilityCode": "SHA08",
"fndFacilityCode": "HAM02",
"legs": [
  {
    "carrier": null,
    "service": {
      "serviceCode": "AEU2",
      "serviceId": null
    },
    "vessel": {
      "vesselName": "APL VANDA",
      "vesselId": null,
      "vesselCode": null
    },
    "voyageCode": null,
    "internalVoyageNumber": "022",
    "externalVoyageNumber": "022W",
    "pol": {
      "port": {
        "id": "349657045012458",
        "portName": "Shanghai",
        "portCode": "SHA",
        "portFullNameEn": "Shanghai",
        "portFullNameCn": "上海",
        "city": null
      },
      "etd": "2020-08-12 00:00",
      "atd": null,
      "eta": null,
      "ata": null,
      "facilityCode": "SHA08"
    },
    "pod": {
      "port": {
        "id": "349645770723600",
        "portName": "Hamburg",
        "portCode": "HAM",
        "portFullNameEn": "Hamburg",
        "portFullNameCn": "Hamburg",
        "city": null
      },
      "etd": null,
      "atd": null,
      "eta": "2020-09-16 00:00",
      "ata": null,
      "facilityCode": "HAM02"
    }
  }
]
```

```

        },
        "legSequence": 0,
        "direction": "W",
        "transportMode": null
    }
],
"cutOffLocalDate": null,
"estimatedTransitTimeInDays": 30,
"etaAtFnd": "2020-09-16 00:00",
"etdAtPor": "2020-08-12 00:00",
"serviceCode": "AEU2",
"vesselName": "APL VANDA",
"direction": "W",
"voyageNo": "022"
},
"routeProductPricingList": [
    {
        "cntrType": "20GP",
        "price": 2.00,
        "tradePrice": 0.50,
        "currency": "USD"
    }
],
"promotions": {
    "detail": [
        {
            "promotionType": "OFF",
            "remnantInventory": 51,
            "summary": "订单下箱型20GP、40GP、40HQ每UNIT立减1USD。",
            "priority": 1, // usage priority
        }
    ]
},
"companyDiscountsInfoDTO": [
    {
        "channelCntr": "20GP",
        "amount": 0.5,
        "currencyType": "USD",
    }
],
"couponInfos": [
    {
        "couponId": "8a5e11227152917a017152b6049f0002",
        "inventory": 10,
        "displayName": "test",
        "value": 1,
        "currency": "USD",
        "minOceanFee": 1, // minimum use interval of ocean fee
        "maxOceanFee": 10, // maximum use interval of ocean fee
        "maxUseLimit": 2, // use limit
        "usageUnit": "UNIT"
    }
],
}
}

```

6. Error sample

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

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

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

4. Response parameters

Name	Description
code	status code
message	detail message
data	response data

5. Response sample

```
{
  "code": 0,
  "message": "",
  "data": [
    {
      "chargeModel": "BL",
      "cntrSize": null, // container type
      "chargeDetail": [ // detail info
        {
          "chargeCode": "DOC",
          "chargeName": "DOC",
          "chargeType": "DOC",
          "chargeTag": "POR",

```

```

        "price": 666,
        "currency": "USD",
        "category": null // charge category
    }
]
},
{
    "chargeModel": "CNTR",
    "cntrSize": "20GP",
    "chargeDetail": [
        {
            "chargeCode": "255",
            "chargeName": "工本费",
            "chargeType": "CNTR_LOCAL",
            "chargeTag": "POR",
            "price": 10,
            "currency": "USD",
            "category": "EXTRA_CHARGE"
        }
    ]
}
]
}

```

6. Error sample

```

{
    "code": 20001,
    "message": "cannot proceed the request, please retry later or contact support for help"
}

```