

Create Shipment Model

This document explains the Create Shipment Model. This is the model passed to the endpoint @

POST <https://ship-api-uat.drop2shop.ie/api/shipment>

Sample Model: drop2shop-Collect

(with QRConfirmation signature service)

This is a sample simplified model for creating drop2shop-collect shipment for account "SH-DEVTEST01"

```
{
  "account": {
    "accountCode": "SH-DEVTEST01"
  },
  "serviceType": "drop2shop-Collect",
  "shippingDate": "2020-12-18",
  "pudoCode": "TEST0001",
  "goodsDescription": "Sample QRCon d2s-col",
  "weight": 1.5,
  "numberOfPackages": 1,
  "references": [{
    "referenceType": "customerReference",
    "referenceValue": "SH-COL 1812-001"
  }
],
  "packages": [{
    "trackingNumber3rdParty": "3pty pkg 001",
    "shipperTrackingNumber": "1001-0099",
    "packagingType": "Box",
    "weight": 1.5
  }],
  "signatureServices": [{
    "service": "QRConfirmation"
  }],
  "addresses": [{
    "addressLine1": "Shippers Lane",
    "city": "London",
    "postCode": "EC2R",
    "countryCode": "GBR",
    "country": "Great Britian",
    "addressType": "shipFrom",
    "addressLocationType": "business",
    "contact": {
      "contactName": "shipper contact",
      "email": "shipper@business.com",
      "mobileNumber": "4470000000"
    }
  }
], {
```

```

    "addressLine1": "Consignee Close",
    "city": "Raheny",
    "postCode": "D05 AB12",
    "state": "Dublin",
    "country": "Ireland",
    "addressType": "shipTo",
    "addressLocationType": "residential",
    "contact": {
      "contactName": "consignee name",
      "email": "consignee@receiver.com",
      "mobileNumber": "353870000000"
    }
  }
}

```

Sample Model: drop2shop-Return

(with QRConfirmation signature service)

This is a sample simplified model for creating drop2shop-Return shipment for account "SH-DEVTEST01". The Order Number in the References section will appear as a Code128 Barcode in the lower part of the Return label generated in the drop2shop PUDO store.

```

{
  "account": {
    "accountCode": "SH-DEVTEST01"
  },
  "serviceType": "drop2shop-Return",
  "shippingDate": "2020-12-18",
  "pudoCode": "TEST0001",
  "goodsDescription": "Sample d2s-ret",
  "weight": 1.5,
  "numberOfPackages": 1,
  "references": [{
    "referenceType": "customerReference",
    "referenceValue": "SH-RET 18/12-001"
  },
  {
    "referenceType": "orderNumber",
    "referenceValue": "RMA-20201218/001"
  }
  ],
  "packages": [{
    "shipperTrackingNumber": "RET: 1812/0088",
    "packagingType": "Box",
    "weight": 1.5
  }],
  "signatureServices": [{
    "service": "QRConfirmation"
  }],
  "addresses": [{

```

```
    "addressLine1": "Consignee Close",
    "city": "Raheny",
    "postCode": "D05 AB12",
    "state": "Dublin",
    "country": "Ireland",
    "addressType": "shipFrom",
    "addressLocationType": "residential",
    "contact": {
      "contactName": "consignee name",
      "email": "consignee@sender.com",
      "mobileNumber": "353870000000"
    }
  },{
    "addressLine1": "Shippers Return Plaza",
    "city": "London",
    "postCode": "EC2R",
    "countryCode": "GBR",
    "country": "Great Britian",
    "addressType": "shipTo",
    "addressLocationType": "business",
    "contact": {
      "contactName": "shipper return contact",
      "email": "shipper-returns@business.com",
      "mobileNumber": "4470000000"
    }
  }
}]
}
```

Sample Model: drop2me

(with SignatureRequired signature service)

This is a sample simplified model for creating drop2me shipment for account "SH-DEVTEST01"

```
{
  "account": {
    "accountCode": "SH-DEVTEST01"
  },
  "serviceType": "drop2me",
  "shippingDate": "2020-12-18",
  "goodsDescription": "Sample d2s-me",
  "weight": 1.5,
  "numberOfPackages": 1,
  "references": [{
    "referenceType": "customerReference",
    "referenceValue": "SH-Me 1812-001"
  }
],
  "packages": [{
    "packagingType": "Box",
    "weight": 1.5
  }
]
```

```

    }],
    "signatureServices": [{
      "service": "SignatureRequired"
    }],
    "addresses": [{
      "addressLine1": "Shippers Lane",
      "city": "London",
      "postCode": "EC2R",
      "countryCode": "GBR",
      "country": "Great Britian",
      "addressType": "shipFrom",
      "addressLocationType": "business",
      "contact": {
        "contactName": "shipper contact",
        "email": "shipper@business.com",
        "mobileNumber": "+4470000000"
      }
    }, {
      "addressLine1": "Consignee Close",
      "city": "Raheny",
      "postCode": "D05 AB12",
      "state": "Dublin",
      "country": "Ireland",
      "addressType": "shipTo",
      "addressLocationType": "residential",
      "contact": {
        "contactName": "consignee name",
        "email": "consignee@receiver.com",
        "mobileNumber": "+353870000000"
      }
    }
  ]
}

```

Sample Model: drop2shop-Collect

with Retailer Invoice and Package Items

This is a sample simplified model for creating drop2shop-collect shipment for account "SH-DEVTEST01" that has retailer invoice data and package item data

```

{
  "account": {
    "accountCode": "SH-DEVTEST01"
  },
  "serviceType": "drop2shop-Collect",
  "shippingDate": "2020-12-18",
  "pudoCode": "TEST0001",
  "goodsDescription": "demo d2s-col ret-inv",
  "uomWeight": "kg",
  "weight": 5.75,
  "numberOfPackages": 1,

```

```
"references": [{
  "referenceType": "customerReference",
  "referenceValue": "demo SH-COL"
}, {
  "referenceType": "shipperTrackingNumber",
  "referenceValue": "Retailer Order Ref (d2s-col)"
}
],
"packages": [{
  "shipperTrackingNumber": "retailer box ref 001A",
  "packagingType": "Box",
  "uomWeight": "kg",
  "weight": 5.75,
  "nettWeight": 5.45,
  "width": 8,
  "height": 8.25,
  "depth": 14,
  "packageItems": [{
    "goodsDescription": "football jerysey",
    "packagingType": "CT"
    "countryOfOrigin": "GBR",
    "productCode": "fb-j01-12321",
    "hsCode": "611000000080",
    "quantity": 2,
    "value": 10.25,
    "weight": 1.5,
    "invoiceAmount": 20.50,
    "commodityNational": "VATS"
  }, {
    "goodsDescription": "football boots",
    "packagingType": "CT"
    "countryOfOrigin": "GBR",
    "productCode": "fb-b31-67678",
    "hsCode": "640212000010",
    "quantity": 1,
    "value": 50.25,
    "weight": 2.75,
    "invoiceAmount": 50.25,
    "commodityNational": "VATS"
  }
  ]
}],
"signatureServices": [{
  "service": "QRConfirmation"
}],
"addresses": [{
  "addressLine1": "Shippers Lane",
  "city": "London",
  "postCode": "EC2R",
  "countryCode": "GBR",
  "country": "Great Britian",
  "addressType": "shipFrom",
  "addressLocationType": "business",
  "eoriNumber": "test-eori12345",
  "contact": {
```

```
        "contactName": "shipper contact",
        "email": "shipper@business.com",
        "mobileNumber": "+4470000000"
      }, {
        "addressLine1": "Consignee Close",
        "city": "Raheny",
        "postCode": "D05 AB12",
        "state": "Dublin",
        "country": "Ireland",
        "addressType": "shipTo",
        "addressLocationType": "residential",
        "contact": {
          "contactName": "consignee name",
          "email": "consignee@receiver.com",
          "mobileNumber": "+353870000000"
        }
      }
    ]],
    "retailerInvoice": {
      "invoiceNumber": "INV 18/12-00001",
      "currencyCode": "EUR",
      "totalAmount": 70.75,
      "shippingCost": 0.0,
      "shippingInsuranceCost": 0.0,
      "retailerOSSAccountCode": "TESTOSS-001"
    }
  }
}
```

Sample Result

This is a sample result from creating a shipment. In this instance the tracking numbers are generated.

The `packageTrackingNumbers` are set to what will be contained in the package label. The `trackingNumber` will be used to identify the shipment in most cases

```
{
  "isSuccess": true,
  "trackingNumber": "DEVU110000000611",
  "packageTrackingNumbers": [
    "DEVU110000000611001"
  ]
}
```

Sample Invalid Response

When creating a shipment, you might get some validation errors. The errors will name out the property that's causing the validation error with a message.

In the case of object arrays (like addresses and packages), the error will give the index of the object in the array causing the issue. This is based off a zero based index

```
{
  "isSuccess": false,
  "errors": [
    {
      "property": "Account.AccountCode",
      "message": "Account does not exist in system"
    },
    {
      "property": "ServiceType",
      "message": "Unknown Service Type"
    },
    {
      "property": "Addresses[1].City",
      "message": "'City' must not be empty."
    }
  ]
}
```