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# Destination

## Description

Store All the destination of the cargo.

## Database

### Table

required

### Columns

Name	Type	Description	Foreign Key
id	UUID	Primary Key of the operation	No
name	timestamp	Timestamp of the operation.	No

# Delete Destinations

Delete destinations

## Request

### Url

/api/destination/v1

### Method

DELETE

## Request Parameters

### URL Parameters

None

### Query Parameters

None

### Body Parameters

Parameter Name	Type	Description	required
ids	Array	Lists of uuid need to be deleted	yes

Example:

```
{
  "ids": [
    "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "155af289-5c8a-4da7-91c2-fcf2b25297fe"
  ]
}
```

## Response

### Success Code

200 OK

## Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
count	number	Number of deletion succeed

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": {
    "count": 2
  }
}
```

### Error Response

```
{
  "status": 404,
  "message": "Destination not found"
}
```

# Get Destinations

Get all destinations

## Request

### Url

/api/destination/v1

### Method

GET

### Request Parameters

#### URL Parameters

None

#### Query Parameters

None

#### Body Parameters

None

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

#### Success Response

Parameter Name	Type	Description
id	string	The uuid of the destination
name	string	The name of the destination

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    {
      "id": "155af289-5c8a-4da7-91c2-fcf2b25297fe",
      "name": "Zone 10"
    }
  ]
}
```

#### Error Response

```
{
  "status": 404,
  "message": "Destination not found"
}
```

# Create Destination

Create a destination

## Request

### Url

/api/destination/v1

### Method

POST

### Request Parameters

#### URL Parameters

None

#### Query Parameters

None

#### Body Parameters

Parameter Name	Type	Description	required
name	string	The name of the destination	yes

Example:

```
{  
  "name": "Zone 10"  
}
```

## Response

### Success Code

200 OK

### Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
id	string	The uuid of the destination
name	string	The name of the destination

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    }
  ]
}
```

### Error Response

```
{
  "status": 404,
  "message": "Destination not found"
}
```



# Update Destination

Update a destination

## Request

### Url

/api/destination/v1

### Method

PUT

## Request Parameters

### URL Parameters

Parameter Name	Type	Description	required
id	string	The destination uuid that need to be updated	yes

### Query Parameters

None

### Body Parameters

Parameter Name	Type	Description	required
name	string	The name of the destination	yes

Example:

```
{  
  "name": "Zone 10"  
}
```

## Response

### Success Code

200 OK

## Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
id	string	The uuid of the destination
name	string	The name of the destination

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    }
  ]
}
```

### Error Response

```
{
  "status": 404,
  "message": "Destination not found"
}
```

# Cargo

## Description

Store information about the Cargo.

## Database

### Table

required

### Columns

Name	Type	Description	Foreign Key	allowedNull
id	UUID	Primary Key of the lot.	No	No
type	string	The type of the cargo (pallet or carton)	No	No
virtualId	string	The virtual id of the cargo	No	No
actualId	string	The actual id of the cargo	No	Yes

# Update-Cargo

## Request

### Url

/api/cargo/v1

### Method

PUT

## Request Parameters

### URL Parameters

Parameter Name	Type	Description	required
id	string	The uuid that need to be updated	yes

### Query Parameters

None

### Body Parameters

Parameter Name	Type	Description	required
type	string	The type of the cargo	no
actualId	string	The actual id	no

```
{  
  "type": "pallet",  
  "actualId": "CAR-32315"  
}
```

## Response

### Success Code

200 OK

## Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
id	string	The uuid of the operation
type	string	The type of the cargo
virtualId	string	The virtual id
actualId	string	The actual id
operationInfo	obj	The operation information
planInfo	obj	The plan information
blInfo	obj	The bl information
lotInfo	obj	The lot information

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "type": "pallet",
    "virtualId": "CAR-001",
    "actualId": "CAR-32315",
    "operationInfo": {
```

```

    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "timestamp": "1713781182",
    "destination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    }
  },
  "planInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "planId": "Plan-001",
    "method": "stock-in",
    "targetFrom": null,
    "targetDestination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    "targetDate": "1713781182"
  },
  "blInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "sku": "SKU-001",
    "name": "Coco",
    "supplier": "Supplier-001",
    "quantity": 100,
    "quantityUnit": "bags",
    "numberOfCargo": 50
  },
  "lotInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "lotId": "LOT-001",
    "financier": "OCBC",
    "quantity": 100,
    "quantityUnit": "bags"
  }
}

```

**Error Response**

```
{  
  "status": 404,  
  "message": "Cargo not found"  
}
```

# BL

## Description

Store information about the BL.

## Database

### Table

required

### Columns

Name	Type	Description	Foreign Key
id	UUID	Primary Key of the bl.	No
sku	string	The sku of the bl	NO
name	string	The name of the bl	No
supplier	string	The supplier of the bl	No
quantity	int	The quantity of the bl	No
quantityUnit	string	The unit of the bl	No



# Create-BLs

Create a BL

## Request

### Url

/api/bl/v1

### Method

POST

### Request Parameters

#### URL Parameters

None

#### Query Parameters

None

#### Body Parameters

Parameter Name	Type	Description	required
sku	string	The sku of the bl	yes
name	string	The name of the bl	yes
supplier	string	The supplier of the bl	yes
quantity	int	The quantity of the bl	yes
quantityUnit	string	The unit of the bl	yes

```
{  
  "sku": "SKU-001",  
  "name": "Coco",  
  "supplier": "Supplier-001",  
}
```

```
"quantity": 100,  
"quantityUnit": "bags"  
}
```

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

#### Success Response

Parameter Name	Type	Description
id	uuid	primary key of bl
sku	string	sku
name	string	name
supplier	string	supplier
quantity	int	quantity
quantityUnit	string	quantity unit
planInfo	array	Get all plans from Plan DB
lotInfo	array	Get all lots from Lot DB
cargoInfo	array	Get all cargos from Cargo DB
operationInfo	array	Get all operations from Operation DB

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "sku": "SKU-001",
      "name": "Coco",
      "supplier": "Supplier-001",
      "quantity": 100,
      "quantityUnit": "bags",
      "planInfo": [
        {
          "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
          "planId": "Plan-001",
          "method": "stock-in",
          "targetFrom": null,
          "targetDestination": {
            "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
            "name": "Zone 10"
          },
          "targetDate": "1713781182"
        }
      ],
      "lotInfo": [
        {
          "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
          "lotId": "LOT-001",
          "financier": "OCBC",
          "quantity": 100,
          "quantityUnit": "bags",
          "numberOfCargo": 50
        }
      ],
      "cargoInfo": [
        {
          "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
```

```
    "type": "pallet",
    "virtualId": "CAR-001",
    "actualId": "CAR-32315"
  }
],
"operationInfo": [
  {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "timestamp": "1713781182",
    "destination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    }
  }
]
}
]
```

#### Error Response

```
{
  "status": 404,
  "message": "BL not found"
}
```

# Get-BLs

Get all BLs

## Request

### Url

/api/bl/v1

### Method

GET

## Request Parameters

### URL Parameters

None

### Query Parameters

Parameter Name	Type	Description	required	default
search	string	search	no	""
page	int	page number	no	0
size	int	limit	no	10
sort	string	sort	no	"timestamp"
order	string	order	no	"dsc"
filter	obj	filter	no	null

example:

```
{  
  "search": "zone",  
  "page": 1,
```

```
"size": 10,  
"sort": "name",  
"order": "asc",  
"filter": {  
  "method": "stock-in",  
  "startDate": "2020-01-01",  
  "endDate": "2020-01-31"  
}  
}
```

### Body Parameters

None

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

Success Response

Parameter Name	Type	Description
id	uuid	primary key of bl
sku	string	sku
name	string	name
supplier	string	supplier
quantity	int	quantity
quantityUnit	string	quantity unit
planInfo	array	Get all plans from Plan DB
lotInfo	array	Get all lots from Lot DB
cargoInfo	array	Get all cargos from Cargo DB
operationInfo	array	Get all operations from Operation DB

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "sku": "SKU-001",
      "name": "Coco",
      "supplier": "Supplier-001",
      "quantity": 100,
      "quantityUnit": "bags",
      "planInfo": [
```

```

    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "planId": "Plan-001",
      "method": "stock-in",
      "targetFrom": null,
      "targetDestination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      },
      "targetDate": "1713781182"
    }
  ],
  "lotInfo": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "lotId": "LOT-001",
      "financier": "OCBC",
      "quantity": 100,
      "quantityUnit": "bags",
      "numberOfCargo": 50
    }
  ],
  "cargoInfo": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "type": "pallet",
      "virtualId": "CAR-001",
      "actualId": "CAR-32315"
    }
  ],
  "operationInfo": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "timestamp": "1713781182",
      "destination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      }
    }
  ]
}

```



```
}  
  }  
]  
}
```

### Error Response

```
{  
  "status": 404,  
  "message": "BL not found"  
}
```

# Operation

## Description

Store information about the operation of a cargo.

## Database

### Table

required

### Columns

Name	Type	Description	Foreign Key
id	UUID	Primary Key of the operation.	No
timestamp	timestamp	Timestamp of the operation.	No
destination	UUID	link to Destination Table	Yes
planId	UUID	link to Plan Table	Yes

# Get-one-operation

## Request

### Url

/api/operation/v1/:id

### Method

GET

## Request Parameters

### URL Parameters

Parameter Name	Type	Description
id	string	The uuid of the operation

Example:

```
`/api/operation/v1/cb521f04-0489-4fa0-befd-99ceb2c29801`
```

### Query Parameters

None

### Body Parameters

None

## Response

### Success Code

200 OK

### Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
id	string	The uuid of the operation
timestamp	string	The timestamp of the cargo
destination	obj	The destination information
planInfo	obj	The plan information
blInfo	obj	The bl information
lotInfo	obj	The lot information
cargoInfo	obj	The cargo information

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "timestamp": "1713781182",
    "destination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    "planInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "planId": "Plan-001",
      "method": "stock-in",
      "targetFrom": null,
      "targetDestination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      }
    },
  },
}
```

```

    "targetDate": "1713781182"
  },
  "blInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "sku": "SKU-001",
    "name": "Coco",
    "supplier": "Supplier-001",
    "quantity": 100,
    "quantityUnit": "bags"
  },
  "lotInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "lotId": "LOT-001",
    "financier": "OCBC",
    "quantity": 100,
    "quantityUnit": "bags",
    "numberOfCargo": 50
  },
  "cargoInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "type": "pallet",
    "virtualId": "CAR-001",
    "actualId": "CAR-32315"
  }
}

```

## Error Response

```

{
  "status": 404,
  "message": "Operation not found"
}

```

# Delete-operation

## Request

### Url

/api/operation/v1

### Method

DELETE

## Request Parameters

### URL Parameters

None

### Query Parameters

None

### Body Parameters

Parameter Name	Type	Description	required
ids	Array	Lists of uuid need to be deleted	yes

Example:

```
{
  "ids": [
    "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "155af289-5c8a-4da7-91c2-fcf2b25297fe"
  ]
}
```

## Response

### Success Code

200 OK

## Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
count	number	Number of deletion succeed

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": {
    "count": 2
  }
}
```

### Error Response

```
{
  "status": 404,
  "message": "Operation not found"
}
```

# Update-operation

## Request

### Url

/api/operation/v1

### Method

PUT

## Request Parameters

### URL Parameters

Parameter Name	Type	Description	required
id	string	The uuid that need to be updated	yes

### Query Parameters

None

### Body Parameters

Parameter Name	Type	Description	required
planId	string	The plan uuid	no
timestamp	string	The timestamp of the cargo	no
destination	obj	The destination information	no
actualId	string	The actual id of the cargo	no
virtualId	string	The virtual id of the cargo	no

```
{  
  "planId": "cb521f04-0489-4fa0-befd-99ceb2c29801",
```



```
"timestamp": "1713781182",  
"destination": {  
  "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
  "name": "Zone 10"  
},  
"actualId": "CAR-32315",  
"virtualId": "CAR-001"  
}
```

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

#### Success Response

Parameter Name	Type	Description
id	string	The uuid of the operation
timestamp	string	The timestamp of the cargo
destination	obj	The destination information
planInfo	obj	The plan information
blInfo	obj	The bl information
lotInfo	obj	The lot information
cargoInfo	obj	The cargo information

Example:

```

{
  "status": 200,
  "message": "Success",
  "data": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "timestamp": "1713781182",
    "destination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    "planInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "planId": "Plan-001",
      "method": "stock-in",
      "targetFrom": null,
      "targetDestination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      },
      "targetDate": "1713781182"
    },
    "blInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "sku": "SKU-001",
      "name": "Coco",
      "supplier": "Supplier-001",
      "quantity": 100,
      "quantityUnit": "bags",
      "numberOfCargo": 50
    },
    "lotInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "lotId": "LOT-001",
      "financier": "OCBC",
      "quantity": 100,
      "quantityUnit": "bags"
    },
    "cargoInfo": {

```

```
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
    "type": "pallet",  
    "virtualId": "CAR-001",  
    "actualId": "CAR-32315"  
  }  
}  
}
```

#### Error Response

```
{  
  "status": 404,  
  "message": "Operation not found"  
}
```

# Create-operation

## Request

### Url

/api/operation/v1

### Method

POST

### Request Parameters

#### URL Parameters

None

#### Query Parameters

None

#### Body Parameters

Required to Modify the cargo `actualId`

Parameter Name	Type	Description	required
planId	string	The plan uuid	yes
timestamp	string	The timestamp of the cargo	yes
destination	obj	The destination information	yes
actualId	string	The actual id of the cargo	yes
virtualId	string	The virtual id of the cargo	yes

```
{  
  "planId": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
  "timestamp": "1713781182",  
  "destination": {
```

```
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
    "name": "Zone 10"  
  },  
  "actualId": "CAR-32315",  
  "virtualId": "CAR-001"  
}
```

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

#### Success Response

Parameter Name	Type	Description
id	string	The uuid of the operation
timestamp	string	The timestamp of the cargo
destination	obj	The destination information
planInfo	obj	The plan information
blInfo	obj	The bl information
lotInfo	obj	The lot information
cargoInfo	obj	The cargo information

Example:

```

{
  "status": 200,
  "message": "Success",
  "data": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "timestamp": "1713781182",
    "destination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    "planInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "planId": "Plan-001",
      "method": "stock-in",
      "targetFrom": null,
      "targetDestination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      },
      "targetDate": "1713781182"
    },
    "blInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "sku": "SKU-001",
      "name": "Coco",
      "supplier": "Supplier-001",
      "quantity": 100,
      "quantityUnit": "bags"
    },
    "lotInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "lotId": "LOT-001",
      "financier": "OCBC",
      "quantity": 100,
      "quantityUnit": "bags",
      "numberOfCargo": 50
    },
    "cargoInfo": {

```

```
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
    "type": "pallet",  
    "virtualId": "CAR-001",  
    "actualId": "CAR-32315"  
  }  
}  
}
```

### Error Response

```
{  
  "status": 404,  
  "message": "Operation not found"  
}
```

# Get-operations

## Request

### Url

/api/operation/v1

### Method

GET

## Request Parameters

### URL Parameters

None

### Query Parameters

Parameter Name	Type	Description	required	default
search	string	search	no	""
page	int	page number	no	0
size	int	limit	no	10
sort	string	sort	no	"timestamp"
order	string	order	no	"dsc"
filter	obj	filter	no	null

example:

```
{  
  "search": "zone",  
  "page": 1,  
  "size": 10,  
}
```



```
"sort": "name",  
"order": "asc",  
"filter": {  
  "method": "stock-in",  
  "startDate": "2020-01-01",  
  "endDate": "2020-01-31"  
}  
}
```

### Body Parameters

None

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

Success Response

Parameter Name	Type	Description
id	string	The uuid of the operation
timestamp	string	The timestamp of the cargo
destination	obj	The destination information
planInfo	obj	The plan information
blInfo	obj	The bl information
lotInfo	obj	The lot information
cargoInfo	obj	The cargo information

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "timestamp": "1713781182",
      "destination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      },
      "planInfo": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "planId": "Plan-001",
        "method": "stock-in",
        "targetFrom": null,
        "targetDestination": {
          "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
          "name": "Zone 10"
        }
      }
    }
  ]
}
```

```

    },
    "targetDate": "1713781182"
  },
  "blInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "sku": "SKU-001",
    "name": "Coco",
    "supplier": "Supplier-001",
    "quantity": 100,
    "quantityUnit": "bags"
  },
  "lotInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "lotId": "LOT-001",
    "financier": "OCBC",
    "quantity": 100,
    "quantityUnit": "bags",
    "numberOfCargo": 50
  },
  "cargoInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "type": "pallet",
    "virtualId": "CAR-001",
    "actualId": "CAR-32315"
  }
}
]
}

```

## Error Response

```

{
  "status": 404,
  "message": "Operation not found"
}

```

# Lot

## Description

Store information about the Lot.

## Database

### Table

required

### Columns

Name	Type	Description	Foreign Key
id	UUID	Primary Key of the lot.	No
lotId	string	The sku of the lot	NO
financier	string	The name of the lot	No
quantity	int	The quantity of the lot	No
quantityUnit	string	The unit of the lot	No
blId	UUID	Foreign Key to BL	Yes
numberOfCargo	int	The number of cargo	No

# Create-Lot

Create a lot

## Request

### Url

/api/lot/v1

### Method

POST

## Request Parameters

### URL Parameters

None

### Query Parameters

None

### Body Parameters

Required to auto generate Cargo Info based on number of cargo

Parameter Name	Type	Description	required
sku	string	sku	yes
name	string	name	yes
supplier	string	supplier	yes
quantity	int	quantity	yes
quantityUnit	string	unit	yes
numberOfCargo	int	number of cargo	no
blId	uuid	foreigner key to BL	yes

```
{
  "sku": "SKU-001",
  "name": "Coco",
  "supplier": "Supplier-001",
  "quantity": 100,
  "quantityUnit": "bags",
  "numberOfCargo": 50,
  "blId": "cb521f04-0489-4fa0-befd-99ceb2c29801"
}
```

None

## Response

### Success Code

200 OK

### Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
id	uuid	primary key of bl
lotId	string	sku
financier	string	name
quantity	int	quantity
quantityUnit	string	unit
blInfo	obj	bl info
planInfo	obj	plan info
cargoInfo	array	cargo info
operationInfo	obj	operation info

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "lotId": "LOT-001",
      "financier": "OCBC",
      "quantity": 100,
      "quantityUnit": "bags",
      "numberOfCargo": 50,
```

```

    "blInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "sku": "SKU-001",
      "name": "Coco",
      "supplier": "Supplier-001",
      "quantity": 100,
      "quantityUnit": "bags"
    },
    "planInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "planId": "Plan-001",
      "method": "stock-in",
      "targetFrom": null,
      "targetDestination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      },
      "targetDate": "1713781182"
    },
    "cargoInfo": [
      {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "type": "pallet",
        "virtualId": "CAR-001",
        "actualId": "CAR-32315"
      }
    ],
    "operationInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "timestamp": "1713781182",
      "destination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      }
    }
  }
}

```



## Error Response

```
{  
  "status": 404,  
  "message": "Lot not found"  
}
```

# Get-Lot

Get all Lots

## Request

### Url

/api/lot/v1

### Method

GET

## Request Parameters

### URL Parameters

None

### Query Parameters

Parameter Name	Type	Description	required	default
search	string	search	no	""
page	int	page number	no	0
size	int	limit	no	10
sort	string	sort	no	"timestamp"
order	string	order	no	"dsc"
filter	obj	filter	no	null

example:

```
{  
  "search": "zone",  
  "page": 1,
```

```
"size": 10,  
"sort": "name",  
"order": "asc",  
"filter": {  
  "method": "stock-in",  
  "startDate": "2020-01-01",  
  "endDate": "2020-01-31"  
}  
}
```

### Body Parameters

None

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

Success Response

Parameter Name	Type	Description
id	uuid	primary key of bl
lotId	string	sku
financier	string	name
quantity	int	quantity
quantityUnit	string	unit
blInfo	obj	bl info
planInfo	obj	plan info
cargoInfo	array	cargo info
operationInfo	obj	operation info

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "lotId": "LOT-001",
      "financier": "OCBC",
      "quantity": 100,
      "quantityUnit": "bags",
      "blInfo": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "sku": "SKU-001",
        "name": "Coco",

```

```

    "supplier": "Supplier-001",
    "quantity": 100,
    "quantityUnit": "bags"
  },
  "planInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "planId": "Plan-001",
    "method": "stock-in",
    "targetFrom": null,
    "targetDestination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    "targetDate": "1713781182"
  },
  "cargoInfo": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "type": "pallet",
      "virtualId": "CAR-001",
      "actualId": "CAR-32315"
    }
  ],
  "operationInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "timestamp": "1713781182",
    "destination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    }
  }
}

```

#### Error Response

```

{
  "status": 404,

```

```
"message": "Lot not found"
```

```
}
```

# Plan

## Description

Store Plan Information about the Cargo.

## Database

### Table

required

### Columns

Name	Type	Description	Foreign Key	allowedNull
id	UUID	Primary Key of the lot.	No	No
planId	string	The plan id of the plan, auto generate	No	No
method	string	The method of the plan	No	No
targetFrom	obj	The target destination of the plan	No	Yes
targetDestination	uuid	The target destination of the plan	yes	No
targetDate	string	The target timestamp of the plan	No	No
lotId	uuid	The lot id of the plan	yes	No

# Get-one-Plan

## Request

### Url

/api/plan/v1/:id

### Method

GET

## Request Parameters

### URL Parameters

Parameter Name	Type	Description	required
id	UUID	The id of the plan	Yes

Example:

```
`/api/plan/v1/cb521f04-0489-4fa0-befd-99ceb2c29801`
```

### Query Parameters

None

### Body Parameters

None

## Response

### Success Code

200 OK

### Content-Type

application/json

## Response Parameters

### Success Response



Parameter Name	Type	Description
id	UUID	The id of the plan
planId	string	The plan id of the plan
method	string	The method of the plan
targetFrom	obj	The target destination of the plan
targetDestination	uuid	The target destination of the plan
targetDate	string	The target timestamp of the plan
blInfo	obj	The bl information of the plan
lotInfo	obj	The lot information of the plan
cargoInfo	obj	The cargo information of the plan

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "planId": "Plan-001",
    "method": "stock-in",
    "targetFrom": null,
    "targetDestination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    "targetDate": "1713781182",
    "blInfo": {
```

```

    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "sku": "SKU-001",
    "name": "Coco",
    "supplier": "Supplier-001",
    "quantity": 100,
    "quantityUnit": "bags"
  },
  "lotInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "lotId": "LOT-001",
    "financier": "OCBC",
    "quantity": 100,
    "quantityUnit": "bags",
    "numberOfCargo": 50
  },
  "cargoInfo": {
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "type": "pallet",
    "virtualId": "CAR-001",
    "actualId": "CAR-32315"
  }
}

```

## Error Response

```

{
  "status": 404,
  "message": "Plan not found"
}

```

# Delete-Plans

## Request

### Url

/api/plan/v1

### Method

DELETE

## Request Parameters

### URL Parameters

None

### Query Parameters

None

### Body Parameters

Parameter Name	Type	Description	required
ids	Array	Lists of uuid need to be deleted	yes

Example:

```
{
  "ids": [
    "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "155af289-5c8a-4da7-91c2-fcf2b25297fe"
  ]
}
```

## Response

### Success Code

200 OK

## Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
count	number	Number of deletion succeed

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": {
    "count": 2
  }
}
```

### Error Response

```
{
  "status": 404,
  "message": "Plans not found"
}
```

# Update-Plan

## Request

### Url

/api/plan/v1

### Method

PUT

### Request Parameters

#### URL Parameters

None

#### Query Parameters

None

#### Body Parameters

Parameter Name	Type	Description	required
method	string	The method of the plan	no
targetFrom	obj	The target destination of the plan	no
targetDestination	uuid	The target destination of the plan	no
targetDate	string	The target timestamp of the plan	no

Example:

```
{  
  "method": "stock-in"  
}
```

## Response

## Success Code

200 OK

## Content-Type

application/json

## Response Parameters

### Success Response

Parameter Name	Type	Description
id	UUID	The id of the plan
planId	string	The plan id of the plan
method	string	The method of the plan
targetFrom	obj	The target destination of the plan
targetDestination	uuid	The target destination of the plan
targetDate	string	The target timestamp of the plan
blInfo	obj	The bl information of the plan
lotInfo	obj	The lot information of the plan
cargoInfo	obj	The cargo information of the plan

Example:

```
{  
  "status": 200,  
  "message": "Success",  
  "data": [  
    {  
      "id": "12345678-1234-5678-9012-345678901234",  
      "planId": "12345678-1234-5678-9012-345678901234",  
      "method": "12345678-1234-5678-9012-345678901234",  
      "targetFrom": "12345678-1234-5678-9012-345678901234",  
      "targetDestination": "12345678-1234-5678-9012-345678901234",  
      "targetDate": "12345678-1234-5678-9012-345678901234",  
      "blInfo": "12345678-1234-5678-9012-345678901234",  
      "lotInfo": "12345678-1234-5678-9012-345678901234",  
      "cargoInfo": "12345678-1234-5678-9012-345678901234"  
    }  
  ]  
}
```

```

    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
    "planId": "Plan-001",
    "method": "stock-in",
    "targetFrom": null,
    "targetDestination": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "name": "Zone 10"
    },
    "targetDate": "1713781182",
    "blInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "sku": "SKU-001",
      "name": "Coco",
      "supplier": "Supplier-001",
      "quantity": 100,
      "quantityUnit": "bags"
    },
    "lotInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "lotId": "LOT-001",
      "financier": "OCBC",
      "quantity": 100,
      "quantityUnit": "bags",
      "numberOfCargo": 50
    },
    "cargoInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "type": "pallet",
      "virtualId": "CAR-001",
      "actualId": "CAR-32315"
    }
  }
}

```

## Error Response

```

{
  "status": 404,

```

```
"message": "Plan not found"
```

```
}
```



# Create-Plan

## Request

### Url

/api/plan/v1

### Method

POST

## Request Parameters

### URL Parameters

None

### Query Parameters

None

### Body Parameters

Parameter Name	Type	Description	required
method	string	The method of the plan	yes
targetFrom	obj	The target destination of the plan	no
targetDestination	uuid	The target destination of the plan	yes
targetDate	string	The target timestamp of the plan	yes

Example:

```
{
  "method": "stock-in",
  "targetFrom": null,
  "targetDestination": "cb521f04-0489-4fa0-befd-99ceb2c29801",
  "targetDate": "1713781182"
}
```

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

#### Success Response

Parameter Name	Type	Description
id	UUID	The id of the plan
planId	string	The plan id of the plan
method	string	The method of the plan
targetFrom	obj	The target destination of the plan
targetDestination	uuid	The target destination of the plan
targetDate	string	The target timestamp of the plan
blInfo	obj	The bl information of the plan
lotInfo	obj	The lot information of the plan
cargoInfo	obj	The cargo information of the plan

Example:

```
{  
  "status": 200,  
  "message": "Success",  
}
```

```
"data": [  
  {  
    "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
    "planId": "Plan-001",  
    "method": "stock-in",  
    "targetFrom": null,  
    "targetDestination": {  
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
      "name": "Zone 10"  
    },  
    "targetDate": "1713781182",  
    "blInfo": {  
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
      "sku": "SKU-001",  
      "name": "Coco",  
      "supplier": "Supplier-001",  
      "quantity": 100,  
      "quantityUnit": "bags"  
    },  
    "lotInfo": {  
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
      "lotId": "LOT-001",  
      "financier": "OCBC",  
      "quantity": 100,  
      "quantityUnit": "bags",  
      "numberOfCargo": 50  
    },  
    "cargoInfo": {  
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",  
      "type": "pallet",  
      "virtualId": "CAR-001",  
      "actualId": "CAR-32315"  
    }  
  }  
]  
}
```

**Error Response**

```
{  
  "status": 404,  
  "message": "Plan not found"  
}
```

# Get-Plans

## Request

### Url

/api/plan/v1

### Method

GET

## Request Parameters

### URL Parameters

None

### Query Parameters

Parameter Name	Type	Description	required	default
search	string	search	no	""
page	int	page number	no	0
size	int	limit	no	10
sort	string	sort	no	"timestamp"
order	string	order	no	"dsc"
filter	obj	filter	no	null

example:

```
{  
  "search": "zone",  
  "page": 1,  
  "size": 10,  
}
```

```
"sort": "name",  
"order": "asc",  
"filter": {  
  "method": "stock-in",  
  "startDate": "2020-01-01",  
  "endDate": "2020-01-31"  
}  
}
```

### Body Parameters

None

## Response

### Success Code

200 OK

### Content-Type

application/json

### Response Parameters

Success Response

Parameter Name	Type	Description
id	UUID	The id of the plan
planId	string	The plan id of the plan
method	string	The method of the plan
targetFrom	obj	The target destination of the plan
targetDestination	uuid	The target destination of the plan
targetDate	string	The target timestamp of the plan
blInfo	obj	The bl information of the plan
lotInfo	obj	The lot information of the plan
cargoInfo	obj	The cargo information of the plan

Example:

```
{
  "status": 200,
  "message": "Success",
  "data": [
    {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "planId": "Plan-001",
      "method": "stock-in",
      "targetFrom": null,
      "targetDestination": {
        "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
        "name": "Zone 10"
      },
      "targetDate": "1713781182",
    }
  ]
}
```

```
    "blInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "sku": "SKU-001",
      "name": "Coco",
      "supplier": "Supplier-001",
      "quantity": 100,
      "quantityUnit": "bags"
    },
    "lotInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "lotId": "LOT-001",
      "financier": "OCBC",
      "quantity": 100,
      "quantityUnit": "bags",
      "numberOfCargo": 50
    },
    "cargoInfo": {
      "id": "cb521f04-0489-4fa0-befd-99ceb2c29801",
      "type": "pallet",
      "virtualId": "CAR-001",
      "actualId": "CAR-32315"
    }
  }
}
```

#### Error Response

```
{
  "status": 404,
  "message": "Plan not found"
}
```