

Base URL: <https://mitcheza-api-2.appspot.com>

List all ships

Lists all ships currently in the datastore.

Call: *GET /ships*

Parameters:

Response:

Status: 200 OK

```
{
  "items": [
    {
      "name": "Usain Boat",
      "type": "Racer",
      "cargo": [
        {
          "id": "4760893132898304",
          "self": "https://mitcheza-api-2.appspot.com/cargo/4760893132898304"
        }
      ],
      "length": 30,
      "id": "4797072796549120",
      "self": "https://mitcheza-api-2.appspot.com/ships/4797072796549120"
    },
    {
      "length": 100,
      "name": "Sea Ya L8r",
      "type": "Sank",
      "cargo": [],
      "id": "5161677670580224",
      "self": "https://mitcheza-api-2.appspot.com/ships/5161677670580224"
    },
    {
      "cargo": [],
      "length": 23,
      "name": "sample ship",
      "type": "xsdfg",
      "id": "4793761913634816",
      "self": "https://mitcheza-api-2.appspot.com/ships/4793761913634816"
    }
  ],
  "next": "http://mitcheza-api-2.appspot.com/ships?cursor=CkIKFQoEbmFtZRRINGgtzYW1wbGUgc2hpcBlahBtfm1pdGNoZXphLWFwaS0ychELEgRTaGlwGICAgODq/MEIDBgAIAA="
}
```

Get a single ship

Returns a single ship.

Call: *GET /ships/{id}*

Parameters:

Response:

Status: 200 OK

```
{
  "length": 27,
  "name": "Usain Boat",
  "type": "Racer",
  "id": "4797072796549120",
  "cargo": [],
  "self": "https://mitcheza-api-2.appspot.com/ships/4797072796549120"
}
```

Create a new ship

Adds a new ship to the datastore, initialized without cargo.

Call: *POST /ships*

Parameters:

“name” – String, Name of the craft

“length” – Number, Length of the craft

“type” – String, Ship classification

Response:

Status: 201 Created

```
{ "id": "5663461317017600" }
```

Delete a ship

Removes ship permanently from datastore and clears cargo if it had any.

Call: *DELETE /ships/{id}*

Parameters:

Response:

Status: 204 No Content

Edit a ship

Edits a ship that already resides in the datastore.

Call: *PUT /ships/{id}*

Parameters:

“name” – String, Name of the craft

“length” – Number, Length of the craft

“type” – String, Ship classification

Response:

Status: 200 OK

--- End ship / Begin cargo ---

List all cargo

Lists all cargo currently in datastore.

Call: *GET /cargo*

Parameters:

Response:

Status: 200 OK

```
{
  "items": [
    {
      "delivery_date": "06/30/2063",
      "carrier": "",
      "content": "USPS Media Mail",
      "weight": 645,
      "id": "4702520098160640",
      "self": "https://mitcheza-api-2.appspot.com/cargo/4702520098160640"
    },
    {
      "content": "USPS Media Mail",
      "weight": 645,
      "delivery_date": "06/30/2063",
      "carrier": {
        "id": "4741957729386496",
        "name": "sample ship",
        "self": "https://mitcheza-api-2.appspot.com/ships/4741957729386496"
      },
      "id": "4827406338621440",
      "self": "https://mitcheza-api-2.appspot.com/cargo/4827406338621440"
    }
  ],
  "next": "END OF RESULTS"
}
```

Get a single cargo

Returns a single cargo.

Call: *GET /cargo/{id}*

Parameters:

Response:

Status: 200 OK

```
{
  "content": "USPS Media Mail",
  "weight": 645,
  "delivery_date": "06/30/2063",
  "carrier": {
    "id": "4741957729386496",
    "name": "sample ship",
    "self": "https://mitcheza-api-2.appspot.com/ships/4741957729386496"
  },
  "id": "4827406338621440",
  "self": https://mitcheza-api-2.appspot.com/cargo/4827406338621440
}
```

Create new cargo

Adds new cargo to the datastore, initialized without any carrier.

Call: *POST /cargo*

Parameters:

“content” – String, contents of cargo load

“weight” – Number, weight of cargo load

“delivery_date” – String, date of expected arrival

Response:

Status: 201 Created

```
{ "id": "5663461317017600" }
```

Edit a cargo

Edits cargo that already resides in the datastore.

Call: *PUT /cargo/{id}*

Parameters:

“content” – String, contents of cargo load

“weight” – Number, weight of cargo load

“delivery_date” – String, date of expected arrival

Response:

Status: 200 OK

Delete a cargo

Removes cargo permanently from datastore and clears from ship if loaded there.

Call: *DELETE /cargo/{id}*

Parameters:

Response:

Status: 204 No Content

Load cargo to a ship

Adds existing cargo to an existing ship, updating the ship.cargo[] and the cargo.carrier appropriately.

Call: *PUT /ships/{ship_id}/cargo/{cargo_id}*

Parameters:

Response:

Status: 200 Ok

Unload cargo to a ship

Removes existing cargo from an existing ship, updating the ship.cargo[] and the cargo.carrier appropriately.

Call: *DELETE /ships/{ship_id}/cargo/{cargo_id}*

Parameters:

Response:

Status: 200 Ok