### API DOCUMENTATION PLANE – SERVICE

#### Get All Airports

**Description:** Retrieves a list of all airports.

**Request Headers:**

* **Authorization:** Bearer token for authentication.
* **Service-Token:** Service token for authorization.

**Responses:**

* 200 OK
  + **Example Value:**

json

1[

2 {

3 "id": 1,

4 "name": "Airport A",

5 "size": 1000,

6 "x": 12.34,

7 "y": 56.78

8 },

9 {

10 "id": 2,

11 "name": "Airport B",

12 "size": 2000,

13 "x": 23.45,

14 "y": 67.89

15 }

16]

* 403 Forbidden
* 401 Wrong Token
* 500 Internal Server Error

#### Create Airport

**Description:** Creates a new airport.

**Request Model:** AirportModel

**Example Request:**

json

VerifyOpen In EditorRunCopy code

1{

2 "name": "New Airport",

3 "size": 1500,

4 "x": 34.56,

5 "y": 78.90

6}

**Request Headers:**

* **Authorization:** Bearer token for authentication.
* **Service-Token:** Service token for authorization.

**Responses:**

* 201 Created

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 3,

3 "name": "New Airport",

4 "size": 1500,

5 "x": 34.56,

6 "y": 78.90

7}

* 403 Forbidden
* 400 Bad Request  
  401 Wrong Token
* 500 Internal Server Error

#### Update Airport

**Description:** Updates an existing airport.

**Request Model:** AirportModel

**Example Request:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "name": "Updated Airport",

4 "size": 1200,

5 "x": 12.34,

6 "y": 56.78

7}

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "name": "Updated Airport",

4 "size": 1200,

5 "x": 12.34,

6 "y": 56.78

7}

* 403 Forbidden
* 400 Bad Request  
  401 Wrong Token
* 500 Internal Server Error

#### Delete Airport

**Description:** Deletes an airport by ID.

**Request Parameters:**

* id: The ID of the airport to delete.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK
* 403 Forbidden
* 400 Bad Request
* 500 Internal Server Error

### Dispatcher

#### Get All Dispatchers

**Description:** Retrieves a list of all dispatchers.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1[

2 {

3 "id": 1,

4 "firstName": "John",

5 "lastName": "Doe",

6 "email": "john.doe@example.com",

7 "isBanned": false,

8 "roles": ["ADMIN"]

9 }

10]

* 403 Forbidden
* 500 Internal Server Error

#### Update Dispatcher

**Example Request:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "firstName": "John",

4 "lastName": "Doe",

5 "email": "john.doe@example.com",

6 "isBanned": false,

7 "roles": ["ADMIN"]

8}

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.
* update: Comma-separated list of fields to update (e.g., firstName,lastName).

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "firstName": "John",

4 "lastName": "Doe",

5 "email": "john.doe@example.com",

6 "isBanned": false,

7 "roles": ["ADMIN"]

8}

* 403 Forbidden
* 400 Bad Request
* 401 Wrong Token
* 500 Internal Server Error

#### Get Dispatcher By ID

**Description:** Retrieves a dispatcher by ID.

**Request Parameters:**

* id: The ID of the dispatcher to retrieve.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "firstName": "John",

4 "lastName": "Doe",

5 "email": "john.doe@example.com",

6 "isBanned": false,

7 "roles": ["ADMIN"]

8}

* 403 Forbidden
* 400 Bad Request
* 500 Internal Server Error

### Flight

#### Get All Flights

**Description:** Retrieves a list of all flights.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1[

2 {

3 "id": 1,

4 "timestampStart": 1620000000,

5 "timestampEnd": 1620003600,

6 "dispatcherId": 1,

7 "planeId": 1,

8 "airportId": 1

9 }

10]

* 403 Forbidden
* 401 Wrong Token
* 500 Internal Server Error

#### Create Flight

**Description:** Creates a new flight.

**Request Model:** FlightModel

**Example Request:**

json

VerifyOpen In EditorRunCopy code

1{

2 "dispatcherId": 1,

3 "planeId": 1,

4 "airportId": 1

5}

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "timestampStart": 1620000000,

4 "timestampEnd": 1620003600,

5 "dispatcherId": 1,

6 "planeId": 1,

7 "airportId": 1

8}

* 403 Forbidden
* 400 Bad Request
* 401 Wrong Token
* 500 Internal Server Error

### Plane

#### Get All Planes

**Description:**Retrieves a list of all planes.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value**:

json

VerifyOpen In EditorRunCopy code

1[

2 {

3 "id": 1,

4 "name": "Plane A",

5 "pilot": "Pilot A",

6 "builtYear": 2010,

7 "brokenPercentage": 10,

8 "speed": 500,

9 "minAirportSize": 1000,

10 "x": 12.34,

11 "y": 56.78

12 }

13]

* 403 Forbidden
* 401 Wrong Token
* 500 Internal Server Error

#### Create Plane

**Example Request:**

json

VerifyOpen In EditorRunCopy code

1{

2 "name": "New Plane",

3 "pilot": "Pilot B",

4 "builtYear": 2020,

5 "speed": 600,

6 "minAirportSize": 1500

7}

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 2,

3 "name": "New Plane",

4 "pilot": "Pilot B",

5 "builtYear": 2020,

6 "brokenPercentage": 0,

7 "speed": 600,

8 "minAirportSize": 1500

9}

* 403 Forbidden
* 400 Bad Request  
  401 Wrong Token
* 500 Internal Server Error

#### Update Plane

**Description:** Updates an existing plane.

**Request Model:** PlaneModel

**Example Request:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "name": "Updated Plane",

4 "pilot": "Pilot A",

5 "builtYear": 2011,

6 "speed": 550,

7 "minAirportSize": 1200

8}

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.
* update: Comma-separated list of fields to update (e.g., name,pilot).

**Responses:**

* 200 OK

**Example Value:**

json

VerifyOpen In EditorRunCopy code

1{

2 "id": 1,

3 "name": "Updated Plane",

4 "pilot": "Pilot A",

5 "builtYear": 2011,

6 "brokenPercentage": 0,

7 "speed": 550,

8 "minAirportSize": 1200

9}

* 403 Forbidden
* 400 Bad Request  
  401 Wrong Token
* 500 Internal Server Error

#### Delete Plane

**Description:** Deletes a plane by ID.

**Request Parameters:**

* id: The ID of the plane to delete.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK
* 403 Forbidden
* 400 Bad Request
* 401 Wrong Token
* 500 Internal Server Error

### Time

#### Get Current Time

**Description:** Retrieves the current time.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:** 1620000000 (Unix timestamp)

* 403 Forbidden
* 401 Wrong Token
* 500 Internal Server Error

#### Skip Time

**Description:** Skips the current time by a specified number of seconds.

**Request Parameters:**

* skip: The number of seconds to skip.

**Request Headers:**

* Authorization: Bearer token for authentication.
* Service-Token: Service token for authorization.

**Responses:**

* 200 OK

**Example Value:** "skipped 3600 seconds"

* 403 Forbidden
* 400 Bad Request
* 401 Wrong Token
* 500 Internal Server Error