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sUTM System API at UNLV: Small UAS Traffic Management System API

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sUTM System API at UNLV

Small UAS Traffic Management System API

Default request content-types: application/json

Default response content-types: application/json

Schemes: http, https

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As part of MS Thesis of Monetta Shaw, May 2016:

"A Web-Based Solution For Small Unmanned Aircraft System (sUAS) Traffic Management"

(Contact: Yoohwan.Kim@unlv.edu)

Summary

Tag: User

User management

Operation	Description
POST /users	Create a new user
GET /users/{username}	Get a user by username
HEAD /users/{username}	Get the only the HTTP header for getting a user by username
PATCH /users/{username}	Update a user's information.
PUT /users/{username}	Update a user's information
GET /users/{username}/achievement-badges	List the achievement badges a user has earned
HEAD /users/{username}/achievement-badges	Get the only the HTTP header for getting a user by username
POST /users/auth-ticket	Get a ticket for user authentication
DELETE /users/auth-ticket	Revoke a user authentication ticket
POST /users/{username}/password	Change a user's password
GET /users/{username}/password/reset	Request to reset the password of a user
HEAD /users/{username}/password/reset	Get the only the HTTP header for requesting to reset the password of a user
POST /users/{username}/password/reset	Confirm a request to reset the password of a user.
GET /user-id/{userId}/username	Get the username of a user

Tag: UAS

Unmanned Aircraft System (UAS) management

Operation	Description
GET /uas	List UAS
HEAD /uas	Get the only the HTTP header for listing UAS
POST /uas	Create a new UAS
GET /uas/{uasId}	Get a UAS by ID
HEAD /uas/{uasId}	Get the only the HTTP header for getting a UAS by ID
PATCH /uas/{uasId}	Update the information of a UAS
PUT /uas/{uasId}	Update the information of a UAS
DELETE /uas/{uasId}	Delete a UAS
POST /uas/{uasId}/position	Update the position of a UAS
POST /area/uas	List UAS that are within a given area

Tag: Flight Plan

Flight plan management

Operation	Description
GET /flight-plans	List flight plans
HEAD /flight-plans	Get the only the HTTP header for listing flight plans
POST /flight-plans	Create a new flight plan
GET /flight-plans/{flightPlanId}	Get a flight plan by ID
HEAD /flight-plans/{flightPlanId}	Get the only the HTTP header for getting a user by ID
PATCH /flight-plans/{flightPlanId}	Update the information of a flight plan
PUT /flight-plans/{flightPlanId}	Update the information of a flight plan
DELETE /flight-plans/{flightPlanId}	Delete a flight plan
GET /flight-plans/{flightPlanId}/clearance/request	Request clearance for a flight plan
HEAD /flight-plans/{flightPlanId}/clearance/request	Get the only the HTTP header for requesting clearance for a flight plan

Tag: Flight Plan Clearance

Flight plan clearance management

Operation	Description
GET /flight-plans/{flightPlanId}/clearance/request	Request clearance for a flight plan
HEAD /flight-plans/{flightPlanId}/clearance/request	Get the only the HTTP header for requesting clearance for a flight plan

Tag: System

Operations that should only be used within the system. Not available to a public user.

Operation	Description
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Tag: AUTHENTICATION REQUIRED

Operations that require authentication

Operation	Description
PATCH /users/{username}	Update a user's information.
PUT /users/{username}	Update a user's information
DELETE /users/auth-ticket	Revoke a user authentication ticket
POST /uas	Create a new UAS
PATCH /uas/{uasId}	Update the information of a UAS
PUT /uas/{uasId}	Update the information of a UAS
DELETE /uas/{uasId}	Delete a UAS
POST /uas/{uasId}/position	Update the position of a UAS
POST /flight-plans	Create a new flight plan
PATCH /flight-plans/{flightPlanId}	Update the information of a flight plan
PUT /flight-plans/{flightPlanId}	Update the information of a flight plan
DELETE /flight-plans/{flightPlanId}	Delete a flight plan
GET /flight-plans/{flightPlanId}/clearance/request	Request clearance for a flight plan
HEAD /flight-plans/{flightPlanId}/clearance/request	Get the only the HTTP header for requesting clearance for a flight plan
GET /test/authentication	A test GET request with required authentication
HEAD /test/authentication	A test HEAD request with required authentication
POST /test/authentication	A test POST request with required authentication
PATCH /test/authentication	A test PATCH request with required authentication
PUT /test/authentication	A test PUT request with required authentication
DELETE /test/authentication	A test DELETE request with required authentication

Tag: SSL ONLY

The server will accept the request only if it is sent over SSL/TLS

Operation	Description
POST /users	Create a new user
POST /users/auth-ticket	Get a ticket for user authentication
POST /users/{username}/password	Change a user's password

POST /users/{username}/password/reset

Confirm a request to reset the password of a user.

Tag: Test

For testing purposes only.

Operation	Description
GET /test/authentication	A test GET request with required authentication
HEAD /test/authentication	A test HEAD request with required authentication
POST /test/authentication	A test POST request with required authentication
PATCH /test/authentication	A test PATCH request with required authentication
PUT /test/authentication	A test PUT request with required authentication
DELETE /test/authentication	A test DELETE request with required authentication

Tag: All

All API functions

Operation	Description
POST /users	Create a new user
GET /users/{username}	Get a user by username
HEAD /users/{username}	Get the only the HTTP header for getting a user by username
PATCH /users/{username}	Update a user's information.
PUT /users/{username}	Update a user's information
GET /users/{username}/achievement-badges	List the achievement badges a user has earned
HEAD /users/{username}/achievement-badges	Get the only the HTTP header for getting a user by username
POST /users/auth-ticket	Get a ticket for user authentication
DELETE /users/auth-ticket	Revoke a user authentication ticket
POST /users/{username}/password	Change a user's password
GET /users/{username}/password/reset	Request to reset the password of a user
HEAD /users/{username}/password/reset	Get the only the HTTP header for requesting to reset the password of a user
POST /users/{username}/password/reset	Confirm a request to reset the password of a user.
GET /user-id/{userId}/username	Get the username of a user
GET /uas	List UAS
HEAD /uas	Get the only the HTTP header for listing UAS
POST /uas	Create a new UAS
GET /uas/{uasId}	Get a UAS by ID
HEAD /uas/{uasId}	Get the only the HTTP header for getting a UAS by ID

PATCH /uas/{uasId}	Update the information of a UAS
PUT /uas/{uasId}	Update the information of a UAS
DELETE /uas/{uasId}	Delete a UAS
POST /uas/{uasId}/position	Update the position of a UAS
GET /flight-plans	List flight plans
HEAD /flight-plans	Get the only the HTTP header for listing flight plans
POST /flight-plans	Create a new flight plan
GET /flight-plans/{flightPlanId}	Get a flight plan by ID
HEAD /flight-plans/{flightPlanId}	Get the only the HTTP header for getting a user by ID
PATCH /flight-plans/{flightPlanId}	Update the information of a flight plan
PUT /flight-plans/{flightPlanId}	Update the information of a flight plan
DELETE /flight-plans/{flightPlanId}	Delete a flight plan
GET /flight-plans/{flightPlanId}/clearance/request	Request clearance for a flight plan
HEAD /flight-plans/{flightPlanId}/clearance/request	Get the only the HTTP header for requesting clearance for a flight plan
GET /test/authentication	A test GET request with required authentication
HEAD /test/authentication	A test HEAD request with required authentication
POST /test/authentication	A test POST request with required authentication
PATCH /test/authentication	A test PATCH request with required authentication
PUT /test/authentication	A test PUT request with required authentication
DELETE /test/authentication	A test DELETE request with required authentication
POST /area/uas	List UAS that are within a given area

Security

Ticket Authentication

name: Authorization

in: header

description: Hawk authentication header as true described at <https://github.com/hueniverse/hawk#protocol-example>. The Hawk authentication header includes the ticket ID, a timestamp, nonce, an HMAC created using the ticket secret key, and optionally a payload hash and some extra data. The order of these items in the header does not matter.

Paths

POST /area/uas

Tags: UAS, All

List UAS that are within a given area

DESCRIPTION

Get the data of every UAS that is currently within the given area. Does not include UAS on the border of the given area.

REQUEST BODY

Uses default content-types: `application/json`

Data containing the coordinates of the area

PROPERTIES

area: *object*

A GeoJSON Polygon describing the area. NOTE: The longitude should be before the latitude in the coordinates arrays.

REQUEST PARAMETERS

Name	Description	Type	Data type	
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>	global #/parameters/fields
page	A number that is the nth page of results. Used for pagination.	query	<i>string</i>	global #/parameters/page
per_page	A number that is the maximum number of items to return in a single page (response).	query	<i>integer</i> , { x ^ ~ â,, ¢ 1 â% ¢ x â% ¢ 100 } (default: "15")	global #/parameters/perPage

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns an object that contains the array containing the data of every UAS within the given area.

PaginatedUas

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

415 Unsupported Media Type global `#/responses/UnsupportedMediaType`

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global `#/responses/ValidationError`

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

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Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

GET /flight-plans

Tags: Flight Plan, All

List flight plans

DESCRIPTION				
Get the information of all flight plans (including old flight plans) with the properties specified in the query parameters.				
REQUEST PARAMETERS				
Name	Description	Type	Data type	
uas_owner_user_ids	The user ID(s) of the owner of a UAS. When set, only the flight plans of the UAS that are owned by the user(s) with the specified ID(s) are retrieved.	query	string[] , comma separated (uas_owner_user_ids=aaa,bbb)	
			global	#/parameters/uasOwnerUserIds
uas_operator_user_ids	The user ID(s) of the operator(s) of a UAS. When set, only the flight plans of the UAS that are operated by the user(s) with the	query	string[] , comma separated (uas_operator_user_ids=aaa,bbb)	
			global	#/parameters/uasOperatorUserIds

	specified ID(s) are retrieved.			
uas_ids	The ID(s) of the UAS. When set, only the flight plans of the UAS with the specified ID(s) are retrieved.	query	<i>string[]</i> , comma separated (uas_ids=aaa,bbb)	global #/parameters/uasIds
purpose	The purpose of the flight plans to be included. If the parameter is omitted or empty, flight plans with any type of purpose are included.	query	<i>string</i> , x { "recreational" , "commercial" }	global #/parameters/flightPlanPurpose
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>	global #/parameters/fields
page	A number that is the nth page of results. Used for pagination.	query	<i>string</i>	global #/parameters/page
per_page		query	<i>integer</i> , { x { 1 , 10 , 20 , 50 , 100 } }	global #/parameters/perPage

A number
that is the
maximum
number of
items to
return in a
single page
(response).

```
} (default: "15")
```

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns an object that contains the array containing the information of every flight plan retrieved

PaginatedFlightPlans

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***HEAD /flight-plans**

Tags: Flight Plan, All

Get the only the HTTP header for listing flight plans

DESCRIPTION

Get the metainformation contained in the header of a HTTP `GET /flight-plans` request. The response is the same as `GET /flight-plans`, but without the response body.

REQUEST PARAMETERS

Name	Description	Type	Data type	
uas_owner_user_ids	The user ID(s) of the owner of a UAS. When set, only the flight plans of the UAS that are owned by the user(s) with the specified ID(s) are retrieved.	query	<i>string[]</i> , comma separated (uas_owner_user_ids=aaa,bbb)	global #/parameters/uasOwnerUserIds
uas_operator_user_ids	The user ID(s) of the operator(s) of a UAS. When set, only the flight plans of the UAS that are operated by the user(s) with the	query	<i>string[]</i> , comma separated (uas_operator_user_ids=aaa,bbb)	global #/parameters/uasOperatorUserIds

specified
ID(s) are
retrieved.

uas_ids	The ID(s) of the UAS. When set, only the flight plans of the UAS with the specified ID(s) are retrieved.	query <i>string[]</i> , comma separated (uas_ids=aaa,bbb)	global #/parameters/uasIds
purpose	The purpose of the flight plans to be included. If the parameter is omitted or empty, flight plans with any type of purpose are included.	query <i>string</i> , x { "recreational" , "commercial" }	global #/parameters/flightPlanPurpose
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query <i>string[]</i>	global #/parameters/fields
page	A number that is the nth page of results. Used for pagination.	query <i>string</i>	global #/parameters/page
per_page		query <i>integer</i> , { x { 1 , 10 , 20 , 50 , 100 } }	global #/parameters/perPage

A number
that is the
maximum
number of
items to
return in a
single page
(response).

} (default: "15")

RESPONSES

Uses default content-types: `application/json`

200 OK global #/responses/HttpHeader
Metainformation contained in the HTTP header. No content in the response body.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL
SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable
Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError
Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
--------	-------------	-----------

Server- Enables the client to authenticate the response and ensure it is talking to the correct
Authorization server. Only in a response to a successfully authenticated request.

string

POST /flight-plans

Create a new flight plan

Tags: Flight Plan, AUTHENTICATION REQUIRED, All

DESCRIPTION

Create a new flight plan with the information given.

REQUEST BODY

Uses default content-types: `application/json`

Data containing the information of the new flight plan of the UAS

FlightPlanCreationData

RESPONSES

Uses default content-types: `application/json`

200 OK

Flight plan for the UAS has been created. Returns the information of the new flight plan.

FlightPlan

Header	Description	Data type
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global #/responses/Unauthenticated

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	string

403 Forbidden global #/responses/Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

DELETE /flight-plans/{flightPlanId}

Delete a flight plan

Tags: Flight Plan, AUTHENTICATION REQUIRED, All

DESCRIPTION

Delete the flight plan with the given ID.

REQUEST PARAMETERS

Name	Description	Type	Data type			
flightPlanId	ID of the flight plan	path	<i>string</i>	required	global	#/parameters/flightPlanId

RESPONSES

Uses default content-types: `application/json`

204 No Content

Flight plan was successfully deleted.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

401 Unauthorized global #/responses/Unauthenticated

No or invalid authentication credentials were provided.

HttpErrorMessage

**Data
type**

Header

Description

WWW-
Authentication If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"

string

403 Forbidden global #/responses/Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

404 Not Found

Flight plan with ID was not found

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

GET /flight-plans/{flightPlanId}

Get a flight plan by ID

Tags: Flight Plan, All

DESCRIPTION

Get the data of the flight plan with the ID specified in the URI.

REQUEST PARAMETERS

Name	Description	Type	Data type	
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>	global #/parameters/fields
flightPlanId	ID of the flight plan	path	<i>string</i>	required global #/parameters/flightPlanId

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns the data of the flight plan with the ID

FlightPlan

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request **global** #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

Flight plan with ID does not exist

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

HEAD /flight-plans/{flightPlanId}

Tags: Flight Plan, All

Get the only the HTTP header for getting a user by ID

DESCRIPTION

Get the metainformation contained in the header of a HTTP GET /flight-plans/{flight-plan} request. The response is the same as GET /flight-plans/{flight-plan} , but without the response body.

REQUEST PARAMETERS

Name	Description	Type	Data type
------	-------------	------	-----------

fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>	global	#/parameters/fields
--------	--	-------	-----------------	--------	---------------------

flightPlanId	ID of the flight plan	path	<i>string</i>	required	global	#/parameters/flightPlanId
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RESPONSES

Uses default content-types: `application/json`

200 OK global `#/responses/HttpHeader`

Metainformation contained in the HTTP header. No content in the response body.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

Flight plan with ID does not exist

HttpErrorMessage

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***PATCH /flight-plans/{flightPlanId}**

Update the information of a flight plan

Tags: Flight Plan, AUTHENTICATION REQUIRED, All

DESCRIPTION

Update various properties of the flight plan with the ID specified in the URI. This operation can update the flight plan information when given a partial flight plan object.

REQUEST BODYUses default content-types: `application/json`

Data containing the new information of the flight plan

FlightPlanUpdateData

REQUEST PARAMETERS

Name	Description	Type	Data type			
flightPlanId	ID of the flight plan	path	<i>string</i>	required	global	#/parameters/flightPlanId

RESPONSESUses default content-types: `application/json`**200 OK**

Information of the flight plan was updated. Returns the flight plan with the new information.

FlightPlan

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***400 Bad Request** global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type**

Header	Description	
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global #/responses/Unauthenticated

No or invalid authentication credentials were provided.

HttpErrorMessage

**Data
type**

Header	Description	
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

403 Forbidden global #/responses/Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

**Data
type**

Header	Description	
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

Flight plan with ID was not found

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Data

Header	Description	type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

PUT /flight-plans/{flightPlanId}

Tags: Flight Plan, AUTHENTICATION REQUIRED, All

Update the information of a flight plan

DESCRIPTIONSame as `PATCH /flight-plans/{flight-plan}`.**REQUEST BODY**Uses default content-types: `application/json`

Data containing the new information of the flight plan

FlightPlanUpdateData

REQUEST PARAMETERS

Name	Description	Type	Data type			
flightPlanId	ID of the flight plan	path	string	required	global	#/parameters/flightPlanId

RESPONSES

Uses default content-types:

application/json

200 OK

Information of the flight plan was updated. Returns the flight plan with the new information.

FlightPlan

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

401 Unauthorized global #/responses/Unauthenticated

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
--------	-------------	-----------

WWW-Authentication If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"

*string***403 Forbidden** global #/responses/Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

Flight plan with ID was not found

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global **#/responses/UnexpectedError**

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**

Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.
--------------------------	---

*string***GET /flight-plans/{flightPlanId}/clearance/request**

Request clearance for a flight plan

Tags: Flight Plan, Flight Plan Clearance, AUTHENTICATION REQUIRED, All

DESCRIPTION

Create a request for clearance for the flight plan with the ID specified in the URI. In other words, request the system to evaluate the flight plan then grant or reject clearance for the flight plan with the ID specified in the URI.

REQUEST PARAMETERS

Name	Description	Type	Data type			
flightPlanId	ID of the flight plan	path	<i>string</i>	required	global	#/parameters/flightPlanId

RESPONSESUses default content-types:

application/json

204 No Content

The system is processing the flight plan to determine if clearance should be granted. To get the system's decision, GET /flight-plans/{flightPlanId}

FlightPlan

**Data
type****Header****Description**

Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.
--------------------------	---

string

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

403 Forbidden global `#/responses/Forbidden`

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

Flight plan with ID was not found

HttpErrorMessage

415 Unsupported Media Type global `#/responses/UnsupportedMediaType`

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global **#/responses/UnexpectedError**

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header	Description	
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

HEAD /flight-plans/{flightPlanId}/clearance/request

Get the only the HTTP header for requesting clearance for a flight plan

Tags: Flight Plan, Flight Plan Clearance, AUTHENTICATION REQUIRED, All

DESCRIPTION

Get the metainformation contained in the header of a HTTP GET /flight-plans/{flightPlanId}/clearance/request request. The response is the same as GET /flight-plans/{flightPlanId}/clearance/request , but without the response body and **the flight plan clearance request is not processed**

REQUEST PARAMETERS

Name	Description	Type	Data type			
flightPlanId	ID of the flight plan	path	<i>string</i>	required	global	#/parameters/flightPlanId

RESPONSES

Uses default content-types: `application/json`

204 No Content global **#/responses/HttpHeader**

Metainformation contained in the HTTP header. No content in the response body.

**Data
type**

Header	Description	
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global **#/responses/NoSSL**

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***403 Forbidden** global `#/responses/Forbidden`

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***404 Not Found**

Flight plan with ID was not found

HttpErrorMessage

415 Unsupported Media Type global `#/responses/UnsupportedMediaType`

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***503 Service Unavailable** global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

DELETE /test/authentication

A test DELETE request with required authentication

Tags: Test, AUTHENTICATION REQUIRED, All

DESCRIPTION

Only an object with a message is returned if authentication was successful. Nothing in the system is changed. This can be used for testing.

RESPONSESUses default content-types: `application/json`**200 OK**

Returns an object containing a message

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global [#/responses/NoSSL](#)

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global [#/responses/Unauthenticated](#)

No or invalid authentication credentials were provided.

HttpErrorMessage

Data

Header	Description	type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

GET /test/authentication

A test GET request with required authentication

Tags: Test, AUTHENTICATION REQUIRED, All

DESCRIPTION

Only an object with a message is returned if authentication was successful. This can be used for testing.

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns an object containing a message

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***401 Unauthorized** global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

**Data
type****Header****Description**

WWW-
Authentication If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"

*string***503 Service Unavailable** global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***HEAD /test/authentication**

Tags: Test, AUTHENTICATION REQUIRED, All

A test HEAD request with required authentication

DESCRIPTION

Get the metainformation contained in the header of a HTTP GET /test/authentication request. The response is the same as GET /test/authentication , but without the response body. This can be used for testing.

RESPONSES

Uses default content-types: `application/json`

200 OK global `#/responses/HttpHeader`

Metainformation contained in the HTTP header. No content in the response body.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***PATCH /test/authentication**

A test PATCH request with required authentication

Tags: Test, AUTHENTICATION REQUIRED, All

DESCRIPTION

Only the object that was sent in the request is returned if authentication was successful. Nothing in the system is changed. This can be used for testing.

REQUEST BODYUses default content-types: `application/json`

Whatever data you want

PROPERTIES

whateverYouWant: *string* (default: "You can enter whatever data you like with not constraint on schema. This is an example of what you can enter.")

RESPONSESUses default content-types: `application/json`**200 OK**

Returns the object that was sent in the request

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***400 Bad Request** global [#/responses/NoSSL](#)

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type****Header****Description**

Server- Enables the client to authenticate the response and ensure it is talking to the correct
Authorization server. Only in a response to a successfully authenticated request.

*string***401 Unauthorized** global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authentication	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

POST /test/authentication

A test POST request with required authentication

Tags: Test, AUTHENTICATION REQUIRED, All

DESCRIPTION

Only the object that was sent in the request is returned if authentication was successful. Nothing in the system is changed. This can be used for testing.

REQUEST BODY

Uses default content-types: `application/json`

Whatever data you want

PROPERTIES

whateverYouWant: *string* (default: "You can enter whatever data you like with not constraint on schema. This is an example of what you can enter.")

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns the object that was sent in the request

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global #/responses/Unauthenticated

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global **#/responses/UnexpectedError**

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

PUT /test/authentication

A test PUT request with required authentication

Tags: Test, AUTHENTICATION REQUIRED, All

DESCRIPTION

Same as PATCH /test/authentication .

REQUEST BODY

Uses default content-types: `application/json`

Whatever data you want

PROPERTIES

whateverYouWant: *string* (default: "You can enter whatever data you like with not constraint on schema. This is an example of what you can enter.")

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns the object that was sent in the request

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

400 Bad Request global **#/responses/NoSSL**

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

401 Unauthorized global [#/responses/Unauthenticated](#)

No or invalid authentication credentials were provided.

HttpErrorMessage

**Data
type**

Header

Description

WWW-
Authentication If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"

string

503 Service Unavailable global [#/responses/ServiceUnavailable](#)

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global [#/responses/UnexpectedError](#)

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

GET /uas

Tags: UAS, All

List UAS

DESCRIPTION

Get the data of every UAS with the properties specified in the query parameters.

REQUEST PARAMETERS

Name	Description	Type	Data type	
owner_user_ids	The user ID(s) of the owner of a UAS. When set, only the UAS that are owned by the user(s) with the specified ID(s) are retrieved.	query	<i>string[]</i> , comma separated (owner_user_ids=aaa,bbb)	global #/parameters/ownerUserIds
operator_user_ids	The user ID(s) of the operator of a UAS. When set, only the UAS that are operated by the user(s) with the specified ID(s) are retrieved.	query	<i>string[]</i> , comma separated (operator_user_ids=aaa,bbb)	global #/parameters/operatorUserIds
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>	global #/parameters/fields
page	A number that is the nth page of results. Used for pagination.	query	<i>string</i>	global #/parameters/page
per_page	A number that is the maximum number of items to return in a single page (response).	query	<i>integer</i> , { x ^ ~ â„ ¢ 1 â‰¥ x â‰¥ 100 } (default: "15")	global #/parameters/perPage

RESPONSES

Uses default content-types: application/json

200 OK

Returns an object that contains the array containing the data of every UAS

PaginatedUas

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***400 Bad Request** global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***503 Service Unavailable** global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***HEAD /uas**

Tags: UAS, All

Get the only the HTTP header for listing UAS

DESCRIPTION

Get the metainformation contained in the header of a HTTP `GET /uas` request. The response is the same as `GET /uas` , but without the response body.

REQUEST PARAMETERS

Name	Description	Type	Data type	
owner_user_ids	The user ID(s) of the owner of a UAS. When set, only the UAS that are owned by the user(s) with the specified ID(s) are retrieved.	query	<i>string[]</i> , comma separated (owner_user_ids=aaa , bbb)	global #/parameters/ownerUserIds
operator_user_ids	The user ID(s) of the operator of a UAS. When set, only the UAS that are operated by the user(s) with the specified ID(s) are retrieved.	query	<i>string[]</i> , comma separated (operator_user_ids=aaa , bbb)	global #/parameters/operatorUserIds
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>	global #/parameters/fields
page	A number that is the nth page of results. Used for pagination.	query	<i>string</i>	global #/parameters/page
per_page	A number that is the maximum number of items to return in a single page (response).	query	<i>integer</i> , { x 1 ≤ x ≤ 100 } (default: "15")	global #/parameters/perPage

RESPONSES

Uses default content-types: `application/json`

200 OK **global** #/responses/HttpHeader

Metainformation contained in the HTTP header. No content in the response body.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

POST /uas

Create a new UAS

Tags: UAS, AUTHENTICATION REQUIRED, All

DESCRIPTION

Create a new UAS with the information given for the currently authenticated user.

REQUEST BODY

Uses default content-types: `application/json`

Data containing the information of the new UAS

UasCreationData

RESPONSES

Uses default content-types: `application/json`

200 OK

UAS has been created. Returns the information of the new UAS.

Uas

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global #/responses/Unauthenticated

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

403 Forbidden global #/responses/Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
--------	-------------	-----------

Server- Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***415 Unsupported Media Type** global `#/responses/UnsupportedMediaType`

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global `#/responses/ValidationError`

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

DELETE /uas/{uasId}
Tags: UAS, AUTHENTICATION REQUIRED, All

Delete a UAS

DESCRIPTION

Delete the UAS with the given ID.

REQUEST PARAMETERS

Name	Description	Type	Data type			
uasId	ID of the UAS	path	string	required	global	#/parameters/uasId

RESPONSES

Uses default content-types: `application/json`

204 No Content

UAS was successfully deleted.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

401 Unauthorized global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	string

403 Forbidden global `#/responses/Forbidden`

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

UAS with ID was not found

HttpErrorMessage

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

GET /uas/{uasId}

Get a UAS by ID

Tags: UAS, All

DESCRIPTION

Get the UAS with the ID specified in the URI.

REQUEST PARAMETERS

Name	Description	Type	Data type	
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>	global #/parameters/fields
uasId	ID of the UAS	path	<i>string</i>	required global #/parameters/uasId

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns the UAS with the ID

Uas

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

UAS with ID was not found

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

HEAD /uas/{uasId}

Tags: UAS, All

Get the only the HTTP header for getting a UAS by ID

DESCRIPTION

Get the metainformation contained in the header of a HTTP GET /uas/{uasId} request. The response is the same as GET /uas/{uasId} , but without the response body.

REQUEST PARAMETERS

Name	Description	Type	Data type			
uasId	ID of the UAS	path	<i>string</i>	required	global	<code>#/parameters/uasId</code>

RESPONSES

Uses default content-types: `application/json`

200 OK global `#/responses/HttpHeader`

Metainformation contained in the HTTP header. No content in the response body.

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Data

Header	Description	type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

UAS with ID was not found

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

PATCH /uas/{uasId}

Update the information of a UAS

Tags: UAS, AUTHENTICATION REQUIRED, All

DESCRIPTION

Update various properties of the UAS with the ID specified in the URI. This operation can update the UAS information when given a partial UAS object.

REQUEST BODY

Uses default content-types: `application/json`

Data containing the new information of the UAS

UasUpdateData

REQUEST PARAMETERS

Name	Description	Type	Data type			
uasId	ID of the UAS	path	<i>string</i>	required	global	#/parameters/uasId

RESPONSES

Uses default content-types: `application/json`

200 OK

Information of the UAS was updated. Returns the UAS with the new information.

Uas

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

403 Forbidden global `#/responses/Forbidden`

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

404 Not Found

UAS with ID was not found

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

PUT /uas/{uasId}

Tags: UAS, AUTHENTICATION REQUIRED, All

Update the information of a UAS

DESCRIPTION

Same as PATCH /uas/{uasId} .

REQUEST BODY

Uses default content-types: `application/json`

Data containing the new information of the UAS

UasUpdateData

REQUEST PARAMETERS

Name	Description	Type	Data type			
uasId	ID of the UAS	path	<i>string</i>	required	global	#/parameters/uasId

RESPONSES

Uses default content-types: `application/json`

200 OK

Information of the UAS was updated. Returns the UAS with the new information.

Uas

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

403 Forbidden global `#/responses/Forbidden`

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

UAS with ID was not found

HttpErrorMessage

415 Unsupported Media Type global `#/responses/UnsupportedMediaType`

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***422 Unprocessable Entity** global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***503 Service Unavailable** global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**Server-
Authorization

Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***POST /uas/{uasId}/position**

Tags: UAS, AUTHENTICATION REQUIRED, All

Update the position of a UAS

DESCRIPTION

Update the properties of the position of the UAS with the ID specified in the URI.

REQUEST BODYUses default content-types: `application/json`

Data containing the new information of the location of the UAS

UasPositionInputData

REQUEST PARAMETERS

Name	Description	Type	Data type			
uasId	ID of the UAS	path	<i>string</i>	required	global	#/parameters/uasId

RESPONSES

Uses default content-types: `application/json`

200 OK

Position of the UAS was updated. Returns the new UAS position.

UasPosition

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
--------	-------------	-----------

WWW-Authentication If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"

*string***403 Forbidden** global #/responses/Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

UAS with ID was not found

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global **#/responses/UnexpectedError**

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**

Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.
--------------------------	---

*string***GET /user-id/{userId}/username**

Get the username of a user

Tags: User, All

DESCRIPTION

Get the username of the user with the user ID specified in the URI

REQUEST PARAMETERS**Name****Description****Type****Data type**

userId

ID of the user

path

*string***required****RESPONSES**Uses default content-types: **application/json****200 OK**

Returns the username of the user

PROPERTIES**username:** *string*

User's current username

**Data
type****Header****Description**

Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.
--------------------------	---

string

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

User with username does not exist

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

POST /users

Create a new user

Tags: User, SSL ONLY, All

DESCRIPTION

Create a new user with the given data.

REQUEST BODY

Uses default content-types: `application/json`

Data of the new user.

```
UserCreationData
```

RESPONSES

Uses default content-types: `application/json`

200 OK

User has been created. Returns the data of the new user.

```
User
```

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

```
ValidationErrorMessage
```

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

```
HttpErrorMessage
```

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

DELETE /users/auth-ticket

Revoke a user authentication ticket

Tags: User, AUTHENTICATION REQUIRED, All

DESCRIPTION

Revoke the authentication ticket sent in the HTTP authentication header. After a ticket has been revoked, the ticket is no longer valid and cannot be used for authentication. This operation does not affect any UAS authentication tickets.

RESPONSES

Uses default content-types: `application/json`

204 No Content

User authentication ticket was successfully revoked. The ticket is no longer valid.

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

401 Unauthorized global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

**Data
type**

Header

Description

WWW-Authentication If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"

string

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header

Description

Server-Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

POST /users/auth-ticket

Get a ticket for user authentication

Tags: User, SSL ONLY, All

DESCRIPTION

Get a ticket for authenticating the user with the username specified in the URI by sending the user's username and password. This can be used to create a 'Log in' function.

REQUEST BODY

Uses default content-types: `application/json`

A JSON object that contains the password of the user with the username specified in the URI

PROPERTIES

password: *string* (password) (6 to 72 chars)

RESPONSES

Uses default content-types: `application/json`

200 OK

The correct password was provided. Returns a user authentication ticket.

AuthTicket

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

403 Forbidden

The password given was incorrect.

HttpErrorMessage

404 Not Found

User with username does not exist

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global `#/responses/ServiceUnavailable`

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global `#/responses/UnexpectedError`

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

GET /users/{username}

Get a user by username

Tags: User, All

DESCRIPTION

Get the data of the user with the username specified in the URI.

REQUEST PARAMETERS

Name	Description	Type	Data type
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i> <small>global</small> <code>#/parameters/fields</code>
username	Username of the user (case-insensitive)	path	<i>string</i> <small>required global</small> <code>#/parameters/username</code>

RESPONSES

Uses default content-types: `application/json`

200 OK

Returns the data of the user with the username

User

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***400 Bad Request** global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***404 Not Found**

User with username does not exist

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***HEAD /users/{username}**

Tags: User, All

Get the only the HTTP header for getting a user by username

DESCRIPTION

Get the metainformation contained in the header of a HTTP GET /users/{username} request. The response is the same as GET /users/{username} , but without the response body.

REQUEST PARAMETERS

Name	Description	Type	Data type
username	Username of the user (case-insensitive)	path	<i>string</i> required global #/parameters/username

RESPONSES

Uses default content-types: `application/json`

200 OK global #/responses/HttpHeader

Metainformation contained in the HTTP header. No content in the response body.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

User with username does not exist

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header

Description

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

PATCH /users/{username}

Update a user's information.

Tags: User, AUTHENTICATION REQUIRED, All

DESCRIPTION

Update various properties of the user with the username specified in the URI. This operation can update the user's information when given a partial user object.

REQUEST BODY

Uses default content-types: `application/json`

Data containing the new user information that will overwrite the existing user information.

UserUpdateData

REQUEST PARAMETERS

Name	Description	Type	Data type			
username	Username of the user (case-insensitive)	path	<i>string</i>	required	global	#/parameters/username

RESPONSES

Uses default content-types: `application/json`

200 OK

User's information was updated. Returns the user with the new information.

User

**Data
type**

Header

Description

Server- Enables the client to authenticate the response and ensure it is talking to the correct
Authorization server. Only in a response to a successfully authenticated request.

*string***400 Bad Request** global `#/responses/NoSSL`

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global `#/responses/Unauthenticated`

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW- Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

403 Forbidden global `#/responses/Forbidden`

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server- Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

User with username does not exist

HttpErrorMessage

415 Unsupported Media Type global `#/responses/UnsupportedMediaType`

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

**Data
type**

Header	Description	
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

**Data
type**

Header	Description	
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type**

Header	Description	
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

PUT /users/{username}

Tags: User, AUTHENTICATION REQUIRED, All

Update a user's information

DESCRIPTION

Same as PATCH /users/{username}.

REQUEST BODY

Uses default content-types: `application/json`

Data containing the new user information that will overwrite the existing user information.

```
UserUpdateData
```

REQUEST PARAMETERS

Name	Description	Type	Data type
username	Username of the user (case-insensitive)	path	<i>string</i> required global #/parameters/username

RESPONSES

Uses default content-types: `application/json`

200 OK

User's information was updated. Returns the user with the new information.

```
User
```

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

```
ValidationErrorMessage
```

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

401 Unauthorized global #/responses/Unauthenticated

No or invalid authentication credentials were provided.

```
HttpErrorMessage
```

**Data
type****Header****Description**

WWW-Authentication If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"

*string***403 Forbidden** global #/responses/Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

**Data
type****Header****Description**

Server-Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***404 Not Found**

User with username does not exist

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

**Data
type****Header****Description**

Server-Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***422 Unprocessable Entity** global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

**Data
type****Header****Description**

Server-Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

503 Service Unavailable global #/responses/ServiceUnavailable
Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError
Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

GET /users/{username}/achievement-badges
Tags: User, All

List the achievement badges a user has earned

DESCRIPTION
Get the data of the achievement badges earned by the user with the username specified in the URI.

REQUEST PARAMETERS

Name	Description	Type	Data type	
fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	string[]	<small>global #/parameters/fields</small>
page	A number that is the nth page of results. Used for pagination.	query	string	<small>global #/parameters/page</small>
per_page	A number that is the maximum number of items to return in a single page (response).	query	integer , { x ^ ~ â„¤ 1 ^ % ¤ x ^ % ¤ 100 } (default: "15")	<small>global #/parameters/perPage</small>
username	Username of the user (case-insensitive)	path	string	<small>required global #/parameters/username</small>

RESPONSES
Uses default content-types: application/json

200 OK

Returns an object that contains the array containing the data of achievement badges he user has earned

PaginatedAchievementBadges

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

User with username does not exist

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

HEAD /users/{username}/achievement-badges

Tags: User, All

Get the only the HTTP header for getting a user by username

DESCRIPTION

Get the metainformation contained in the header of a HTTP GET /users/{username} request. The response is the same as GET /users/{username} , but without the response body.

REQUEST PARAMETERS

Name	Description	Type	Data type			
username	Username of the user (case-insensitive)	path	string	required	global	#/parameters/username

RESPONSES

Uses default content-types: `application/json`

200 OK global #/responses/HttpHeader

Metainformation contained in the HTTP header. No content in the response body.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	string

404 Not Found

User with username does not exist

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global **#/responses/UnexpectedError**
Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

POST /users/{username}/password

Change a user's password

Tags: User, All, SSL ONLY

DESCRIPTION
Change the password of the user with the username specified in the URI.

REQUEST BODY
Uses default content-types:

application/json

Data containing the old and new passwords to be sent to the server using SSL only

PROPERTIES
oldPassword: *string* (password) (6 to 72 chars)
User's current password

newPassword: *string* (password) (6 to 72 chars)
The password that will become the user's new password

REQUEST PARAMETERS

Name	Description	Type	Data type
username	Username of the user (case-insensitive)	path	<i>string</i> <small>required global</small> #/parameters/username

RESPONSES

Uses default content-types: `application/json`

200 OK

User's password was changed. The user can now use the new password to authenticate.

SuccessfulRequestMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

403 Forbidden

The old (current) password given was incorrect.

HttpErrorMessage

404 Not Found

User with username does not exist

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

GET /users/{username}/password/reset

Tags: User, All

Request to reset the password of a user

DESCRIPTION

Request the system to reset the password of the user with the username specified in the URI. An email will be sent to the user with an password reset confirmation code.

REQUEST PARAMETERS

Name	Description	Type	Data type			
username	Username of the user (case-insensitive)	path	<i>string</i>	required	global	#/parameters/username

RESPONSES

Uses default content-types: `application/json`

200 OK

The process for resetting the user's password has been initiated. An email containing the password reset confirmation code has been sent. Returns the password reset token with some additional information.

PROPERTIES

token: *string*

A token that will be sent to the server to confirm the password reset.

email: *string*

A masked version of the email address to which the password reset confirmation code was sent

exp: *integer (int64)*

Token expiration date and time as the number of milliseconds since Unix Epoch (January 1 , 1970 12:00:00 am GMT)

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

404 Not Found

User with username does not exist

HttpErrorMessage

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***HEAD**

Get the only the HTTP header for requesting to reset the password of a user

/users/{username}/password/reset

Tags: User, All

DESCRIPTION

Get the metainformation contained in the header of a HTTP GET /users/{username}/password/reset request. The response is the same as GET /users/{username}/password/reset , but without the response body and **no email is sent to the user with the username specified in the URI.**

REQUEST PARAMETERS**Name****Description****Type****Data type**

username	Username of the user (case-insensitive)	path	<i>string</i>	required	global	#/parameters/username
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RESPONSES

Uses default content-types: `application/json`

200 OK global **#/responses/HttpHeader**

Metainformation contained in the HTTP header. No content in the response body.

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

*string***400 Bad Request** global **#/responses/NoSSL**

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

**Data
type****Header****Description**

Server-
Authorization Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.

string

404 Not Found

User with username does not exist

HttpErrorMessage

503 Service Unavailable global **#/responses/ServiceUnavailable**

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global **#/responses/UnexpectedError**

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

POST /users/{username}/password/reset

Tags: User, All, SSL ONLY

Confirm a request to reset the password of a user.

DESCRIPTION

Confirm a request to reset the password of the user with the username specified in the URI. Must have previously received a password reset token from `GET /users/{username}/password/reset`.

REQUEST BODY

Uses default content-types: `application/json`

Data containing the password reset token, password reset confirmation code, and the user's new password

PROPERTIES

token: *string*

The password reset token previously given by the server in a `GET /users/{username}/password/reset` request

confirmCode: *string*

The password reset confirmation code given to the user via email

newPassword: *string* (password) (6 to 72 chars)

The string that will become the user's new password. May be chosen by the user.

REQUEST PARAMETERS

Name	Description	Type	Data type
username	Username of the user (case-insensitive)	path	<i>string</i> required global #/parameters/username

RESPONSES

Uses default content-types: `application/json`

200 OK

User's password was reset. The user can now use the new password to authenticate.

SuccessfulRequestMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

400 Bad Request global #/responses/NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

403 Forbidden

The password reset is invalid for some reason. The reason is given in the error message.

HttpErrorMessage

404 Not Found

User with username does not exist

HttpErrorMessage

415 Unsupported Media Type global #/responses/UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

422 Unprocessable Entity global #/responses/ValidationError

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

503 Service Unavailable global #/responses/ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

default global #/responses/UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

Parameter definitions

Key	Name	Description	Type	Data type
flightPlanPurpose	purpose	The purpose of the flight plans to be included. If the parameter is omitted or empty, flight plans with any type of purpose are included.	query	<i>string</i> , x { "recreational" , "commercial" }
fields	fields	Comma-separated list of fields to include in the object(s) that are returned. Fields not included in this list are excluded.	query	<i>string[]</i>
page	page	A number that is the nth page of results. Used for pagination.	query	<i>string</i>
perPage	per_page	A number that is the maximum number of items to return in a single page (response).	query	<i>integer</i> , { x { 1 100 } (default: "15") }
ownerUserIds	owner_user_ids	The user ID(s) of the owner of a	query	<i>string[]</i> , comma separated (owner_user_ids=aaa,bbb)

UAS. When set, only the UAS that are owned by the user(s) with the specified ID(s) are retrieved.

operatorUserIds	operator_user_ids	The user ID(s) of the operator of a UAS. When set, only the UAS that are operated by the user(s) with the specified ID(s) are retrieved.	query <i>string[]</i> , comma separated (operator_user_ids=aaa,bbb)
uasOwnerUserIds	uas_owner_user_ids	The user ID(s) of the owner of a UAS. When set, only the flight plans of the UAS that are owned by the user(s) with the specified ID(s) are retrieved.	query <i>string[]</i> , comma separated (uas_owner_user_ids=aaa,bbb)
uasOperatorUserIds	uas_operator_user_ids	The user ID(s) of the operator(s) of a UAS. When set, only the flight plans of the UAS that are operated by	query <i>string[]</i> , comma separated (uas_operator_user_ids=aaa,bbb)

the user(s)
with the
specified
ID(s) are
retrieved.

uasIds	uas_ids	The ID(s) of the UAS. When set, only the flight plans of the UAS with the specified ID(s) are retrieved.	query	<i>string[]</i> , comma separated (uas_ids=aaa,bbb)	
username	username	Username of the user (case-insensitive)	path	<i>string</i>	required
uasId	uasId	ID of the UAS	path	<i>string</i>	required
flightPlanId	flightPlanId	ID of the flight plan	path	<i>string</i>	required

Response definitions

UnexpectedError

Unexpected error. Usually with a 500 status code.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

Unauthenticated

No or invalid authentication credentials were provided.

HttpErrorMessage

Header	Description	Data type
WWW-Authentication	If the Authentication HTTP header was not set, this lets the user know the authentication that is used by the server. The value should always be "Hawk"	<i>string</i>

Forbidden

User is authenticated, but not allowed to access the resource or perform the requested operation.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

ServiceUnavailable

Server is temporarily unavailable, usually because it is undergoing maintenance.

HttpErrorMessage

UnsupportedMediaType

Incorrect or no content type header was provided as part of the request.

HttpErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

ValidationError

Data in the request is not valid.

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

NoSSL

SSL is required, but the request is not sent over SSL

ValidationErrorMessage

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

HTTPHeader

Metainformation contained in the HTTP header. No content in the response body.

Header	Description	Data type
Server-Authorization	Enables the client to authenticate the response and ensure it is talking to the correct server. Only in a response to a successfully authenticated request.	<i>string</i>

Schema definitions

Achievement: *object*

DESCRIPTION

Information about the achievement

PROPERTIES

id: *string* (up to 50 chars)

A unique identifier for the achievement

name: *string* (up to 50 chars)

Name of the achievement

description: *string* (up to 255 chars)

Description of the achievement

AchievementBadge: *object*

DESCRIPTION

An achievement badge a user has earned

PROPERTIES

id: *string* (10 to 10 chars)

Unique hexadecimal identifier assigned to a achievement badge by the server

userId: *string*

ID of the user who earned the achievement badge

achievement: *Achievement*

Information about the type of achievement the badge represents

dateEarned: *string* (date-time)

The date and time (UTC timezone) the user earned the achievement badge

AuthTicket: *object***DESCRIPTION**

An object that contains information that can be used to authenticate without a user's username and password.

PROPERTIES**user:** *string* (at least 8 chars)

The ID of the user the authentication ticket is used to authenticate as to the server

key: *string* (32 to 32 chars)

Ticket secret key that should be kept in a safe place

algorithm: *string* (default: "sha256")

The HMAC (hash message authentication code) algorithm that should be used to create the HMAC for authentication and payload validation. The only algorithm currently supported is SHA256

exp: *integer* (int64)

Ticket expiration date and time as the number of seconds since Unix Epoch (January 1 , 1970 12:00:00 am GMT)

scope: *string[]*

A list of string used to describe the actions allowed when using this ticket. It is a way to limit what functionality is possible when using a certain ticket.

ITEMS

string

ext: *object*

Extra data used by the server during authentication

id: *string*

Ticket ID that is sent in a request that requires authentication

FlightPlan: *object*

DESCRIPTION

Data about a flight plan sent from the server

PROPERTIES

id: *string* (8 to 8 chars)

Unique hexadecimal identifier assigned to a flight plan by the server

uasId: *string*

ID of the UAS the flight plan is for

name: *string* (up to 100 chars)

Name for human (not server) identification purposes

purpose: *string*, x â~ { "recreational" (default) , "commercial" }

Type of reason for UAS flight

description: *string* (up to 255 chars)

Brief description

areaPath: *object*

Area or path of the planned UAS flight as a GeoJSON. NOTE: The longitude should be before the latitude in the coordinates arrays.

maxAltitude: *number* (double) , { x â~ â,, | 0 â%¤ x â%¤ 99999.999999 }

Maximum number of feet above the mean sea level (MSL) the UAS will fly within the area/path

startDatetime: *string* (date-time)

Proposed date and time (UTC timezone) the UAS flight begins

endDatetime: *string* (date-time)

Proposed date and time (UTC timezone) the UAS flight ends

createdAt: *string* (date-time)

Date and time (UTC timezone) the flight plan was created

updatedAt: *string* (date-time)

Date and time (UTC timezone) the information was last changed

clearance: *FlightPlanClearance*

Data about the clearance of the flight, if clearance has either been granted or rejected

FlightPlanClearance: *object*

DESCRIPTION

Data about a flight plan clearance sent from the server

PROPERTIES

id: *string* (8 to 8 chars)

Unique hexadecimal identifier assigned to a user by the server

decision: *string* (up to 20 chars)

Whether or not the flight plan clearance was granted, rejected, or waiting for ATC authorization(s)

reasonForDecision: *string* (up to 255 chars)

Explanation for why the flight plan clearance was granted or rejected

conditions: *string*[]

A list of conditions attached to the flight plan clearance, if clearance is granted.

ITEMS

string

warnings: *string*[]

A list of warning that apply to the flight plan that was granted clearance, if clearance is granted.

ITEMS

string

createdAt: *string* (date-time)

Date and time (UTC timezone) the flight plan clearance was granted or approved

updatedAt: *string* (date-time)

Date and time (UTC timezone) the information was last changed

FlightPlanCreationData: *object*

DESCRIPTION

Data sent to the server for creating a flight plan

PROPERTIES

uasId: *string* required

ID of the UAS the flight plan is for

name: *string* (up to 100 chars)

Name for human (not server) identification purposes

purpose: *string*, x â€œ { "recreational" (default) , "commercial" } required

Type of reason for UAS flight

description: *string* (up to 255 chars)

Brief description

areaPath: *object* required

Area or path of the planned UAS flight as a GeoJSON. NOTE: The longitude should be before the latitude in the coordinates arrays.

maxAltitude: *number* (double) , { x â~ â,, | 0 â%â x â%â 99999.9999999 }

Maximum number of feet above the mean sea level (MSL) the UAS will fly within the area/path

startDatetime: *string* (date-time) required

Proposed date and time (UTC timezone) the UAS flight begins. The date/time format should be in the ISO 8601 format, but other formats are accepted.

endDatetime: *string* (date-time) required

Proposed date and time (UTC timezone) the UAS flight ends. The date/time format should be in the ISO 8601 format, but other formats are accepted.

FlightPlanUpdateData: *object*

DESCRIPTION

Data sent to the server for updating the information of an existing flight plan

PROPERTIES

uasId: *string*

ID of the UAS the flight plan is for

name: *string* (up to 100 chars)

Name for human (not server) identification purposes

purpose: *string* , x â~ { "recreational" (default) , "commercial" }

Type of reason for UAS flight

description: *string* (up to 255 chars)

Brief description

areaPath: *object*

Area or path of the planned UAS flight as a GeoJSON. NOTE: The longitude should be before the latitude in the coordinates arrays.

maxAltitude: *number* (double) , { x â~ â,, | 0 â%â x â%â 99999.9999999 }

Maximum number of feet above the mean sea level (MSL) the UAS will fly within the area/path

startDatetime: *string* (date-time)

Proposed date and time (UTC timezone) the UAS flight begins

endDatetime: *string* (date-time)

Proposed date and time (UTC timezone) the UAS flight ends

HttpErrorMessage: *object*

DESCRIPTION

Message sent from the server describing an error encountered by the server

PROPERTIES

message: *string*

Message describing the error

PaginatedAchievementBadges: *object*

PROPERTIES

total: *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Total number of achievement badges found for the query/request

perPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 1 } (default: "15")

Maximum number of achievement badges to return in a single page (response).

currentPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 1 }

Page number for which all of the achievement badges returned are a part of.

lastPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Page number of the last page

nextPageUrl: *string*

URL for getting the next page. Is `null` when there is no next page.

prevPageUrl: *string*

URL for getting the previous page. Is `null` when there is no previous page.

from: *integer*, { x âˆ™ â„¤ | x â‰¥ 1 }

Nth achievement badge from the the total set that is the first in the subset returned.

to: *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Nth achievement badge from the total set that is the last in the subset returned.

data: *object[]*

Array containing the subset of the the total set of achievement badges.

ITEMS

AchievementBadge

PaginatedFlightPlans: *object*

PROPERTIES**total:** *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Total number of flight plans found for the query/request

perPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 1 } (default: "15")

Maximum number of flight plans to return in a single page (response).

currentPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 1 }

Page number for which all of the flight plans returned are a part of.

lastPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Page number of the last page

nextPageUrl: *string*URL for getting the next page. Is `null` when there is no next page.**prevPageUrl:** *string*URL for getting the previous page. Is `null` when there is no previous page.**from:** *integer*, { x âˆ™ â„¤ | x â‰¥ 1 }

Nth flight plan from the the total set that is the first in the subset returned.

to: *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Nth flight plan from the total set that is the last in the subset returned.

data: *object[]*

Array containing the subset of the the total set of flight plans.

ITEMS*FlightPlan***PaginatedUas:** *object***PROPERTIES****total:** *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Total number of UAS found for the query/request

perPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 1 } (default: "15")

Maximum number of UAS to return in a single page (response).

currentPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 1 }

Page number for which all of the UAS returned are a part of.

lastPage: *integer*, { x âˆ™ â„¤ | x â‰¥ 0 }

Page number of the last page

nextPageUrl: *string*

URL for getting the next page. Is `null` when there is no next page.

prevPageUrl: *string*

URL for getting the previous page. Is `null` when there is no previous page.

from: *integer*, { $x \in \mathbb{N}$ | $x \geq 1$ }

Nth UAS from the the total set that is the first in the subset returned.

to: *integer*, { $x \in \mathbb{N}$ | $x \geq 0$ }

Nth UAS from the total set that is the last in the subset returned.

data: *object[]*

Array containing the subset of the the total set of UAS.

ITEMS

Uas

Point: *object*

DESCRIPTION

A GeoJSON Point object for a geographical coordinate. For more information: <http://geojson.org/geojson-spec.html#point> (<http://geojson.org/geojson-spec.html#point>)

PROPERTIES

type: *string* (default: "Point")

This must always have the value of "Point".

coordinates: *number[]*

An array containing the longitude and latitude (in that order). The longitude ranges from -180 to 180 and the latitude ranges from -90 to 90.

ITEMS

number (double), { $x \in \mathbb{R}$ | $-180 \leq x \leq 180$ }

SuccessfulRequestMessage: *object*

DESCRIPTION

Message sent from the server describing that it successfully processed the request

PROPERTIES

message: *string*

Message describing the successful request

Uas: *object*

DESCRIPTION

Data about a UAS sent from the sever

PROPERTIES

id: *string* (8 to 8 chars)

Unique hexadecimal identifier assigned to a UAS by the server

name: *string* (up to 100 chars)

Name for human (not server) identification purposes

ownerUserId: *string*

ID of the user that owns the UAS. The owner of a UAS is not always the operator.

operatorUserId: *string*

ID of the user that is operating the UAS. The operator of a UAS is not always the owner.

description: *string* (up to 255 chars)

Brief description

manufacturer: *string* (up to 100 chars)

Company that manufactured the UAS, if applicable

model: *string* (up to 100 chars)

Model name, if applicable

weight: *number* (double) , { x ~ , | 0 % x % 999.9999 }

Weight in ounces (oz) with a maximum of 4 decimal places of precision

photo: *string* (up to 1572864 chars)

Photo of the UAS as a Base64 data URI string with the photo data as a base64 string. Allowed maximum size of photo is around 1 MiB (1048576 bytes) in binary form.

createdAt: *string* (date-time)

Date and time (UTC timezone) the UAS was added to the database

updatedAt: *string* (date-time)

Date and time (UTC timezone) the information was last changed

position: *UasPosition*

Geographical position (longitude and latitude) and altitude of the UAS

UasCreationData: *object*

DESCRIPTION

Data sent to the server for creating a UAS

PROPERTIES

name: *string* (up to 100 chars)

Name for human (not server) identification purposes

description: *string* (up to 255 chars)

Brief description of the UAS

manufacturer: *string* (up to 100 chars)

Company that manufactured the UAS, if applicable

model: *string* (up to 100 chars)

Model name, if applicable

weight: *number* (double) , { x \hat{a} \hat{a} , | 0 \hat{a} \hat{a} x \hat{a} 999.9999 }

Weight in ounces (oz) with a maximum of 2 decimal places of precision

photo: *string* (up to 1572864 chars)

Photo of the UAS as a Base64 data URI string with the photo data as a base64 string. Allowed maximum size of photo is around 1 MiB (1048576 bytes) in binary form.

UasPosition: *object*

DESCRIPTION

Data about the position of a UAS sent from the server

PROPERTIES

coordinates: *Point*

The coordinates as a GeoJSON Point object.

altitude: *number* (double) , { x \hat{a} \hat{a} , | 0 \hat{a} \hat{a} x \hat{a} 99999.9999999 }

Number of feet above the mean sea level (MSL)

updatedAt: *string* (date-time)

Date and time (UTC timezone) the information was last changed

UasPositionInputData: *object*

DESCRIPTION

Data sent to the server for updating the position of a UAS

PROPERTIES

coordinates: *number[]* **required**

An array containing the longitude and the latitude (in that order). The longitude ranges from -180 to 180 and the latitude ranges from -90 to 90.

ITEMS

number (double) , { x $\hat{=}$ \hat{a} , | -180 $\hat{=}$ \hat{o} x $\hat{=}$ \hat{o} 180 }

altitude: *number* (double) , { x $\hat{=}$ \hat{a} , | 0 $\hat{=}$ \hat{o} x $\hat{=}$ \hat{o} 99999.9999999 } **required**

Number of feet above the mean sea level (MSL)

UasUpdateData: *object*

DESCRIPTION

Data sent to the server for updating the information of an existing UAS

PROPERTIES

name: *string* (up to 100 chars)

Name for human (not server) identification purposes

description: *string* (up to 255 chars)

Brief description of the UAS

manufacturer: *string* (up to 100 chars)

Company that manufactured the UAS, if applicable

model: *string* (up to 100 chars)

Model name, if applicable

weight: *number* (double) , { x $\hat{=}$ \hat{a} , | 0 $\hat{=}$ \hat{o} x $\hat{=}$ \hat{o} 999.9999 }

Weight in ounces (oz) with a maximum of 2 decimal places of precision

photo: *string* (up to 1572864 chars)

Photo of the UAS as a Base64 data URI string with the photo data as a base64 string. Allowed maximum size of photo is around 1 MiB (1048576 bytes) in binary form.

User: *object*

DESCRIPTION

Data about a user sent from the server

PROPERTIES

id: *string* (8 to 8 chars)

Unique hexadecimal identifier assigned to a user by the server

username: *string* (up to 50 chars)

Unique identifier created by the user (case-insensitive)

fullName: *string* (up to 100 chars)

First, middle, and last names OR full organization name

email: *string* (email) (up to 254 chars)

email address

mobilePhoneNumber: *string* (tel) (up to 10 chars)

Mobile phone number as a string of numbers

mobilePhoneCarrierId: *integer*, { x â~ â,,p | x â%¥ 1 }

The ID of the mobile phone carrier of the mobile phone number

stats: *UserStats*

Certain statistics about the user

createdAt: *string* (date-time)

Date and time (UTC timezone) in the user was created (registered)

updatedAt: *string* (date-time)

Date and time (UTC timezone) the information was last changed

UserCreationData: *object*

DESCRIPTION

Data sent to the server for creating a new user

PROPERTIES

username: *string* (2 to 50 chars) required

Unique identifier created by the user (case-insensitive)

password: *string* (password) (6 to 72 chars) required

Password that contains a combination of letters, numbers, and symbols

fullName: *string* (up to 100 chars)

First, middle, and last names OR full organization name

email: *string* (email) (up to 254 chars) required

email address

mobilePhoneNumber: *string* (tel) (up to 10 chars)

Mobile phone number as a string of numbers

mobilePhoneCarrierId: *integer*, { x â~ â,,p | x â%¥ 1 }

The ID of the mobile phone carrier of the mobile phone number

UserStats: *object*

DESCRIPTION

Certain statistics about a user

PROPERTIES

pointsEarned: *integer*, { x â™ˆ â„¤ | x â‰¥ 0 }

The number of points the user has earned

grantedFlightPlanClearanceCount: *integer*, { x â™ˆ â„¤ | x â‰¥ 0 }

Number of times a flight plan for a UAS the user operated had clearance granted

rejectedFlightPlanClearanceCount: *integer*, { x â™ˆ â„¤ | x â‰¥ 0 }

Number of times a flight plan for a UAS the user operated had clearance rejected

UserUpdateData: *object*

DESCRIPTION

Data sent to the server for updating the information of an existing user

PROPERTIES

username: *string* (up to 50 chars)

Unique identifier created by the user (case-insensitive)

fullName: *string* (up to 100 chars)

First, middle, and last names OR full organization name

email: *string* (email) (up to 243 chars)

email address

mobilePhoneNumber: *string* (tel) (up to 10 chars)

Mobile phone number as a string of numbers

mobilePhoneCarrierId: *integer*, { x â™ˆ â„¤ | x â‰¥ 1 }

The ID of the mobile phone carrier of the mobile phone number

ValidationErrorMessage: *object*

PROPERTIES

message: *string*

Message describing the error