**Logistics API Documentation**

All POST methods expect data in request.

All GET methods are using query params.

user-token is in header for each request and is required.

/drone/create

Request Type: POST  
Permission: Must be authenticated by Gateway

Description: This request creates a drone of the user. The drone can be affiliated to some warehouse but not necessarily.

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| --- | --- | --- | --- |
| **Parameter** | **Value** | **Description** | **Type** |
| user-token | String | Authentication token received from the API gateway | Header, Required |
| battery | Float | The battery life of drone in kms, i.e. number of kilometres drone can travel with its max capacity | Required |
| warehouse | String | Name of the warehouse which is unique to each warehouse. | Optional |

Response:

/drone/list

Request Type: GET

Permission: Authenticated

Description: Returns the list of drones matching the given parameters.

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| --- | --- | --- | --- |
| **Parameter** | **Value** | **Description** | **Type** |
| user-token | String | Authentication token received from the API gateway | Header, Required |
| battery | Float | Drones with this much battery will be returned | Query, Optional |
| battery\_lte | Float | Drones with this much or less battery will be returned | Query, Optional |
| battery\_gte | Float | Drones with this much or more battery will be returned | Query, Optional |
| warehouse | String | Drones which are affiliated to this warehouse will be returned | Query, Optional |
| status | String, Options = [Idle, Charging, Delivering, Returning, Offline] | Filters the drone list to match current status as this | Query, Optional |
|  |  |  |  |

Response:

/drone/info

Request Type: GET

Permission: Must be authenticated by Gateway

Description: This request returns the details of the drone selected.

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| --- | --- | --- | --- |
| **Parameter** | **Value** | **Description** | **Type** |
| user-token | String | Authentication token received from the API gateway | Header, Required |
| drone\_id | String | ID of the drone for which the information is required | Query, Required |

Response:

/drone/current-battery

Request Type: GET

Permission: Authenticated

Description: Returns the current battery left for the specified drone in kilometres.

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| --- | --- | --- | --- |
| **Parameter** | **Value** | **Description** | **Type** |
| user-token | String | Authentication token received from the API gateway | Header, Required |
| drone\_id | String | ID of the drone for which the information is required | Query, Required |

Response:

/drone/change-status

Request Type: PATCH

Permission: Authenticated

Description: Change the status of the drone to the specified one. The same request allows you to change the current location of the drone using only one request. However, an end point for changing the location only is also separately mentioned further.

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| --- | --- | --- | --- |
| **Parameter** | **Value** | **Description** | **Type** |
| user-token | String | Authentication token received from the API gateway | Header, Required |
| drone\_id | String | ID of the drone for which the status needs to be changed | Required |
| status | String, Options = [Idle, Charging, Delivering, Returning, Offline] | The new status of the drone | Required |
| latitude | Float | The new latitude of the drone | Optional |
| longitude | Float | The new longitude of the drone | Optional |

Response:

/drone/change-location

Request Type: PATCH

Permission: Authenticated

Description: This allows you to change the current location of the drone.

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| --- | --- | --- | --- |
| **Parameter** | **Value** | **Description** | **Type** |
| user-token | String | Authentication token received from the API gateway | Header, Required |
| drone\_id | String | ID of the drone for which the status needs to be changed | Query, Required |
| latitude | Float | The new latitude of the drone | Query, Required |
| longitude | Float | The new longitude of the drone | Query, Required |

Response: