



Select a definition

v633

Web.API v633 OAS3

https://cube.tobit.cloud/pudu-api/v2/_docs/v633/swagger.json

This is an *example* documentation. It can be used to add further information about your api to the swagger docs.

Basic `markdown` is supported at this point. Some things are not supported like syntax-highlighting:

```
await Console.Out.WriteLineAsync("Hello world!");
```

Websockets

Service Name: `chayns_bot_control`

Conditions

```
{
  IsProduction = bool,
  RobotId = string
}
```

Supported Websocket Events

- service_device_status_change
- notify_robot_order_state
- notify_go_state
- query_state
- notify_delivery_task
- notify_robot_power
- notify_robot_move_state
- notify_robot_pose
- notify_qr_code_content
- sync_maps
- sync_activities
- chayns_delivery_status

Service Name: `chayns_launcher_overlay`

Conditions

```
{
  IsProduction = bool,
  RobotId = string
}
```

Supported Websocket Events

- remote_action
- notify_robot_power

WebSocket Events

- ▶ service_device_status_change
- ▶ notify_robot_order_state
- ▶ notify_go_state
- ▶ query_state
- ▶ notify_delivery_task
- ▶ notify_robot_power
- ▶ notify_robot_move_state
- ▶ notify_robot_pose
- ▶ notify_qr_code_content
- ▶ sync_maps
- ▶ sync_activities
- ▶ chayns_delivery_status
- ▶ remote_action

[Tobit Software GmbH - Website](#)

[Authorize](#) 

Automation



POST

/pudu-api/v2/Automation/mqtt-topic-update

Update the mqtt status of an automation device



ChaynsLauncher



POST

/pudu-api/v2/ChaynsLauncher/{robotId}

Send action to robot chayns-launcher overlay



Destination



GET

/pudu-api/v2/Destination Get all destinations



GET	/pudu-api/v2/Destination/{customType}	Get all destinations for the given custom_type	✓	
GET	/pudu-api/v2/Destination/target-destinations	Get all destinations with the custom_type "target-destination"	✓	
GET	/pudu-api/v2/Destination/target-destinations/{mapId}	Get all destinations for given map with the custom_type "target-destination"	✓	
GET	/pudu-api/v2/Destination/dining-outlet-destinations	Get all destinations with the custom_type "dining-outlet-destination"	✓	
GET	/pudu-api/v2/Destination/dining-outlet-destinations/{mapId}	Get all destinations for given map with the custom_type "dining-outlet-destination"	✓	
GET	/pudu-api/v2/Destination/target-destinations/reachable/{mapId}	Get destinations with the custom_type "target-destination", that are reachable from the map	✓	
PATCH	/pudu-api/v2/Destination/custom-type	Update the custom type the given destination; Allowed custom types are: "target-destination", "intermediate-destination", "dining-outlet-destination", "charging-station", "open-door", "close-door", "elevator", "in-front-of-elevator", "behind-elevator";	✓	
PATCH	/pudu-api/v2/Destination/person-id	Update the personId of the given destination	✓	
PATCH	/pudu-api/v2/Destination/preposition	Update the preposition of the given destination	✓	
PATCH	/pudu-api/v2/Destination/chayns-codes-url	Update the chayns code url of the given destination	✓	
PATCH	/pudu-api/v2/Destination/room-id	Update the room id of the given destination	✓	
PATCH	/pudu-api/v2/Destination/automation-device	Create or update the automation device of the given destination	✓	
PATCH	/pudu-api/v2/Destination/intermediate-destinations	Create or update the intermediate destinations of the given destination	✓	
DELETE	/pudu-api/v2/Destination/automation-device/{destinationId}	Delete the automation device of the given destination	✓	
DELETE	/pudu-api/v2/Destination/{id}	Delete the destination with the given id	✓	

Device



GET	/pudu-api/v2/Device	Get devices with robotGroups and robots	✓	
------------	---------------------	---	---	--

Map

- ^
- | | | | | |
|---------------|------------------------------|----------------------------------|---|---|
| GET | /pudu-api/v2/Map/name/{name} | Get map by its name | ✓ | 🔒 |
| GET | /pudu-api/v2/Map | Get all maps | ✓ | 🔒 |
| GET | /pudu-api/v2/Map/{robotId} | Get all maps for the given robot | ✓ | 🔒 |
| POST | /pudu-api/v2/Map/{robotId} | Create a map | ✓ | 🔒 |
| PATCH | /pudu-api/v2/Map/{mapId} | Update a map | ✓ | 🔒 |
| DELETE | /pudu-api/v2/Map/{mapId} | Delete a map | ✓ | 🔒 |

MapConnector

- ^
- | | | | | |
|---------------|---------------------------|--|---|---|
| GET | /pudu-api/v2/MapConnector | Get all map connectors; If filterDoubles is true, only one of the two map-connectors for the same connection will be returned; | ✓ | 🔒 |
| POST | /pudu-api/v2/MapConnector | Create a new map connector | ✓ | 🔒 |
| DELETE | /pudu-api/v2/MapConnector | Delete a map connector | ✓ | 🔒 |

Robot

- ^
- | | | | | |
|------------|--|--|---|---|
| GET | /pudu-api/v2/Robot/{robotId}/pudu-data | Get robot-status, current map data and maps of robot | ✓ | 🔒 |
|------------|--|--|---|---|
- Parameters**
- Try it out**
- | Name | Description |
|---|-------------------------------------|
| robotId * required
string
(path) | robotId |
| filterHiddenMaps
boolean
(query) | <i>Default value : true</i>
true |

Responses

Code	Description	Links
200	Success	<i>No links</i>
	Media type	
	text/plain	
	Controls Accept header.	
	Example Value	Schema
	<pre>{ "map": { "elements": [{ "type": "string", "vector": [0], "name": "string", "mode": "string", "id": "string", "group": "string", "width": 0, "maxSpeed": 0, "dualWidth": 0, "leftMode": true, "middleMode": true, "dockId": "string", "dir": 0, "dirMode": 0, "doubleDir": 0, "highPrecision": "string", "sortWeight": 0 }], "maps": [...] } }</pre>	
204	No Content	<i>No links</i>
400	The request data is incomplete or invalid. See message object in body for details.	<i>No links</i>
401	The authentication was not successful. See response body for details.	<i>No links</i>
403	The user could be authenticated but is not allowed to access the requested resource.	<i>No links</i>

Code	Description	Links
424	Client Error	No links

GET	/pudu-api/v2/Robot/{robotId}/pudu-map-data	Get current map data of the robot from pudu api	▼	
GET	/pudu-api/v2/Robot/{robotId}/pudu-status	Get status of the robot from pudu api	▼	
POST	/pudu-api/v2/Robot/available	Get all robots, that can reach the given destinations	▼	
POST	/pudu-api/v2/Robot/{robotId}/delivery/dining_outlet	Sends the robot to the given dining outlet	▼	
POST	/pudu-api/v2/Robot/{robotId}/delivery/dining_outlet/{destinationId}	Sends the robot to the given dining outlet	▼	
POST	/pudu-api/v2/Robot/{robotId}/delivery/call/{destinationId}	Sends the robot to the given destination; Maps all points in between; driveMode can be "delivery", "pickup" or "dining_outlet". The default driveMode is "delivery"	▼	
POST	/pudu-api/v2/Robot/{robotId}/delivery/finish/{destinationId}	Completes sending the robot to the given destination Sends robot after completion to given destination	▼	
POST	/pudu-api/v2/Robot/{robotId}/delivery/finish/{destinationType}	Completes sending the robot to the given destination; Sends robot after completion to a destination with the given type; The destinationType can be "dining-outlet-destination", "charging-station", "dining_outlet" (legacy) or "charging_pile" (legacy)	▼	
POST	/pudu-api/v2/Robot/{robotId}/call	Sends the robot to the given destinations; Maps all points in between; driveMode can be "delivery", "pickup" or "dining_outlet". The default driveMode is "delivery"	^	

Parameters

Try it out

Name	Description
robotId * required <small>string (path)</small>	robotId

Name	Description
driveMode string (query)	<i>Default value : delivery</i> <input type="text" value="delivery"/>

Request body application/json-patch+json

Example Value Schema

```
[  
 {  
   "id": 0,  
   "mapId": 0,  
   "name": "string",  
   "type": "string",  
   "customType": "string",  
   "personId": "string",  
   "preposition": "string",  
   "chaynsCodesUrl": "string",  
   "roomId": 0,  
   "creationTime": "2024-03-13T13:56:02.856Z",  
   "deletionTime": "2024-03-13T13:56:02.856Z",  
   "created": true,  
   "text": "string"  
 }  
]
```

Responses

Code	Description	Links
200	Success	<i>No links</i>

Media type text/plain
Controls Accept header.

Example Value Schema

```
{  
   "code": 0,  
   "msg": "string",  
   "data": {  
     "success": true  
   }  
}
```

Code	Description	Links
204	No Content	No links
400	Bad Request	No links
401	The authentication was not successful. See response body for details.	No links
403	The user could be authenticated but is not allowed to access the requested resource.	No links
424	Client Error	No links

Media type

text/plain**Example Value** Schema

```
{  
  "code": 0,  
  "msg": "string",  
  "data": {  
    "success": true  
  }  
}
```

POST

/pudu-api/v2/Robot/{robotId}/call/next

Sends the robot to the next destination on its route

**POST**

/pudu-api/v2/Robot/{robotId}/charge

Cancels all deliveries and sends the robot to its charging station

**Parameters****Try it out****Name****Description****robotId** * requiredstring
(path)

robotId

Responses

Code	Description	Links
200	Success	<i>No links</i>
	Media type	
	text/plain	
	Controls Accept header.	
	Example Value Schema	
	<pre>{ "code": 0, "msg": "string", "data": { "success": true } }</pre>	
204	No Content	<i>No links</i>
400	The request data is incomplete or invalid. See message object in body for details.	<i>No links</i>
401	The authentication was not successful. See response body for details.	<i>No links</i>
403	The user could be authenticated but is not allowed to access the requested resource.	<i>No links</i>
424	Client Error	<i>No links</i>
	Media type	
	text/plain	
	Example Value Schema	
	<pre>{ "code": 0, "msg": "string", "data": { "success": true } }</pre>	

POST /pudu-api/v2/Robot/{robotId}/cancel Cancels all deliveries ^ 

Parameters **Try it out**

Name	Description
robotId * required string (path)	robotId

Responses

Code	Description	Links
200	Success	No links
	Media type text/plain	
	Controls Accept header.	
	Example Value Schema	
	<pre>{ "code": 0, "msg": "string", "data": { "success": true } }</pre>	
204	No Content	No links
400	The request data is incomplete or invalid. See message object in body for details.	No links
401	The authentication was not successful. See response body for details.	No links
403	The user could be authenticated but is not allowed to access the requested resource.	No links

Code	Description	Links
424	<p>Client Error</p> <p>Media type</p> <p>text/plain</p> <p>Example Value Schema</p> <pre>{ "code": 0, "msg": "string", "data": { "success": true } }</pre>	No links

RobotStatus

GET	/pudu-api/v2/RobotStatus/{robotId}	Get the status of the robot	▼	🔒
DELETE	/pudu-api/v2/RobotStatus/{robotId}	Delete a robot	▼	🔒
GET	/pudu-api/v2/RobotStatus	Get all robot-status	▼	🔒
POST	/pudu-api/v2/RobotStatus	Create a new robot status	▼	🔒
PATCH	/pudu-api/v2/RobotStatus/{robotId}/name	Update the name of the robot	▼	🔒
PATCH	/pudu-api/v2/RobotStatus/{robotId}/type	Update the type of the robot	▼	🔒
PATCH	/pudu-api/v2/RobotStatus/{robotId}/home-base-map	Update the home base map of the robot	▼	🔒
PATCH	/pudu-api/v2/RobotStatus/{robotId}/dining-outlet	Update the dining outlet of the robot	▼	🔒
PATCH	/pudu-api/v2/RobotStatus/{robotId}/charging-station	Update the charging station of the robot	▼	🔒
PATCH	/pudu-api/v2/RobotStatus/{robotId}/low-battery-threshold	Update the low battery threshold of the robot	▼	🔒
PATCH	/pudu-api/v2/RobotStatus/{robotId}/workingMode	Update working mode of robot 1 = Fuzzy, 2 = Delivery, 3 = Facility, 4 = Courier	▼	🔒

PATCH	/pudu-api/v2/RobotStatus/{robotId}/speed	Update the speed of the robot	✓	
PATCH	/pudu-api/v2/RobotStatus/{robotId}/calling-code	Update the calling code of the robot	✓	
PATCH	/pudu-api/v2/RobotStatus/{robotId}/reboot-time	Update the reboot-time of the robot	✓	
PATCH	/pudu-api/v2/RobotStatus/{robotId}/map/{mapId}	Change the current map of the robot	✓	
PATCH	/pudu-api/v2/RobotStatus/{robotId}/maps	Synchronise the robot-map-notifications from chayns-launcher	✓	
PATCH	/pudu-api/v2/RobotStatus/{robotId}/activities	Synchronise the robot-activity-notifications from chayns-launcher	✓	
PATCH	/pudu-api/v2/RobotStatus/{robotId}/app-error-status	Synchronise the robot-app-error-notifications from chayns-launcher	✓	
PATCH	/pudu-api/v2/RobotStatus/{robotId}/destinations	Synchronise the destinations of the current map of the robot with the destinations of the pudu api	✓	

Route

GET	/pudu-api/v2/Route/{personId}	Get all routes for the given personId	✓	
------------	-------------------------------	---------------------------------------	---	--

Server

POST	/pudu-api/v2/Server/Update	Update data notification from Pudu Cloud	✓	
POST	/pudu-api/v2/Server/notify	Change URL which relives notifications from Pudu Cloud	✓	

Schemas

AutomationDevice

AvailableRobot

CallingCode

ChaynsLauncherRemoteAction

ChaynsUserResponse

CreateMap

CreateMapConnector

CreateOrUpdateChaynsUser

CreateRobotStatus

DeleteMapConnector

Destination

Destination2IntermediateDestinationDto

DestinationResponse

DestinationResponseWithMapData

DestinationWithText

DeviceResponse

DevicesData

Element

GetRobotStatusResponse

IntermediateDestination

JToken

Map

MapConnectorWithMapId

MapResponse

MicroserviceStatusCode

MqttTopicUpdate

RequestResponse`1

RobotData

RobotGroup

RobotGroupResponse

RobotMap

RobotPose

RobotStatusResponse

RobotType

RouteDestinationResponse

RouteDestinationSummary

RouteResponseWithDestinations

RouteSummary

SuccessResponse

SuccessResponseRequestResponse

SyncAppErrorStatus

SyncMap

SyncRobotActivity

SyncRobotMapsResponse

T

UpdateAutomationDevice

UpdateCallingCodeBody

UpdateChargingStationBody

UpdateDestinationChaynsCodesUrl

UpdateDestinationCustomType

UpdateDestinationPersonId

UpdateDestinationPreposition

UpdateDestinationRoomId

UpdateDiningOutletBody

UpdateHomeBaseMapBody

UpdateIntermediateDestinations

UpdateLowBatteryThresholdBody

UpdateMapBody

UpdateNotificationAddress

UpdateRebootTimeBody

UpdateRequest

UpdateRobotNameBody

UpdateRobotSpeedBody

UpdateRobotTypeBody

UpdateWorkingModeBody

WebsocketAction

WorkingMode