

Labfarm API endpoint documentation

Base url: <http://labfarmwebapp.azurewebsites.net/> Route: `api/v1`

Header: key: 'Content-Type' value: 'application/json'

Development endpoints

GET /labfarm GET /labfarm/id PUT /labfarm/id POST /labfarm DELETE /labfarm/id	<pre>interface Labfarm { id: number; name: string; authId: string; plantSpecies: string; optimalAcidityLevelHigh: number; optimalAcidityLevelLow: number; optimalHumidityLevelHigh: number; optimalHumidityLevelLow: number; optimalLightLevelHigh: number; optimalLightLevelLow: number; optimalConductivityLevelHigh: number; optimalConductivityLevelLow: number; minimumReservoirLevel: number; autoMode: boolean; plants: Plant[]; sensors: Sensor[]; }</pre>
GET /plant GET /plant/id PUT /plant/id POST /plant DELETE /plant/id	<pre>interface Plant { id: number; name: string; labfarmId: number; column: number; row: number; pictures: Picture[]; }</pre>
GET /sensor GET /sensor/id PUT /sensor/id POST /sensor DELETE /sensor/id	<pre>interface Sensor { id: number; name: string; labFarmId: number; sensorTypeId: number; sensorType: SensorType; sensorValues: SensorValue[]; } export interface SensorType { id: number; name: string; }</pre>
GET /picture GET /picture/id PUT /picture/id POST /picture DELETE /picture/id	<pre>interface Picture { id: number; content: string; timeStamp: Date; plantId: number; }</pre>

GET /sensordata	
GET /sensordata/id	
PUT /sensordata/id	
POST /sensordata	
DELETE /sensordata/id	
	<pre>interface SensorValue { id: number; sensorValue: number; timeStamp: Date; sensorId: number; }</pre>

Deployment endpoints

GET /labfarm?authId=name	List<Labfarm>
GET /labfarm/id	Labfarm
GET /labfarm/id/plants	List<Plant> (including pictures)
GET /labfarm/id/plants/name	Plant (including pictures)
GET /labfarm/id/sensors	List<Sensor> (including sensor data)
GET /labfarm/id/sensors/name	Sensor (including sensor data)
GET /labfarm/id/sensors/values?count=5	List<LastSensorValues>
GET /labfarm/id/plants/pictures?count=4	List<LastPictures>
POST /labfarm/id/plants	Plant
POST /labfarm/id/plants/name/pictures	Picture
POST /labfarm/id/sensors	Sensor
POST /labfarm/id/sensors/name/data	SensorValue
LastSensorValues: <pre>interface LastSensorValues { sensorName: string; data: Values[]; } interface Values { id: number; sensorValue: number; timeStamp: Date; sensorId: number; }</pre>	LastPictures: <pre>interface LastPictures { plantName: string; pictures: Picture[]; } interface Picture { id: number; content: string; timeStamp: Date; plantId: number; }</pre>

