Documentation for Plumemapper API

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| --- | --- | --- |
| Authorization server | | |
| Route | Content | Response |
| /users/login  post | {      "Username": "bob",      "Password": "password"  } | {      "accessToken": “JWT access key”,      "refreshToken": “JWT refresh key”  } |
| /users/refresh  post | {      "refreshToken": “JWT refresh key”  } | {  "accessToken": “JWT access key”  } |
| /users/logout  post | {  "refreshToken": “JWT refresh key”  } | 200 ok |
| Any further action requires the JWT access key to be sent along side the other content. This key will expire after a set period. | | |
| /users/create  post | {      "ClientID":0,      "Firstname": "joshua",      "Lastname": "rowley",      "Phonenumber": "0419779102",      "Email": "",      "Username": "bob",      "Password": "password"  } | The current implementation requires this request to come from localhost can be changed later  200 ok |
| /users/pchange  post | {  "Password": “password”  } | 200 ok |
| Get Commands | | |
| /expiration | Blank but requires JWT auth token | {      "exp": "2020-08-23T14:56:45.000Z"  } |
| /sites | Blank or  Query string  /sites?SiteID=1 | List of results in json only returns sites that belong to the Clients id blank returns all sites  [      {          "SiteID": 1,          "Address": "yes road",          "Client": "bob inc",          "Longitude": 420,          "Latitude": 69,          "Comments": "the site",          "A": 1,          "B": 2,          "C": 3,          "D": 4,          "E": 5,          "F": 6      }  ] |
| /surveyors | Blank or  Query string  /surveyors?SurveyorID=1 | Returns list of surveyors under ClientID  {          "SurveyorID": 1,          "Firstname": "Albert",          "Lastname": "Beric",          "Phonenumber": "0449 748 123",          "Email": "a.b@outlook.com",          "Username": "yes"  } |
| /sitesources | Blank returns all clients sites and odour listings or  Query string  /sitesources?SiteID=1  Which returns just that sites odours if they have authorization for that site | List of results in json only returns sites that belong to the Clients id  [      {          "SiteID": 1,          "SourceId": 1      },      {          "SiteID": 1,          "SourceId": 2      },      {          "SiteID": 1,          "SourceId": 3      }  ] |
| /sources | Blank returns all odours for that client  /sources?SourceID=1  Returns that single odour if they have auth to view | List of results in json only returns sites that belong to the Clients id  [      {          "SourceID": 1,          "SourceName": "",          "OdourCharacter": null,          "Address": "test road",          "Longitude": 10,          "Latitude": 10,          "Odours": "musk sticks",          "Polygon": null,          "SiteEasting": 10,          "SiteNorthing": 10      }  ] |
| /zones | Can be completely blank to return all zones  ZoneID or SiteID can be specified or not to narrow the request  Query string  /zones?ZoneID=4&?SiteID=4 | [      {          "ZoneID": 4,          "SiteID": 4,          "Type": "squire",          "Polygon": "1243"      }  ] |
| /pointsetup | Can be left blank to return all sites  Doesn’t need to specify datapointID  /pointsetup?SiteID=1&DatapointID=1 | [      {          "SiteID": 1,          "DatapointID": 1,          "SiteEasting": 100,          "SiteNorthing": 200      }  ] |
| /surveyidentifier | Can be left blank to return all  /surveyidentifier?SiteID=1 | [      {          "SurveyID": 1,          "SiteID": 1,          "Description": "test survey",          "Sunrise": "08:00:00",          "Sunset": "20:00:00",          "Date": "2020-07-21T14:00:00.000Z",          "StartTime": "08:00:00",          "EndTime": "10:00:00"      }  ] |
| /surveydata | Can be left blank to return all or can specify  /surveydata?SurveyID=1&SurveyorID=1&DatapointID=1 | [      {          "SurveyID": 1,          "DatapointID": 1,          "SurveyorID": 1,          "Time": "08:00:00",          "MagneticDeclination": 1,          "SiteEasting": 420,          "SiteNorthing": 69,          "Longitude": 20,          "Latitude": 10,          "WindDirectionMag": 256,          "WindDirectionTrue": 0,          "MinWindSpeed": 0,          "MaxWindSpeed": 100,          "AirTemp": 32,          "WetbulbTemp": 30,          "Precipitation": "",          "CloudCover": "",          "CloudType": null,          "Duration": "Mostly Present",          "PrimaryOdour": 1,          "PrimaryIntensity": 1,          "SecondaryOdour": 2,          "SecondaryIntensity": 1,          "TertiaryOdour": 3,          "TertiaryIntensity": 1,          "HedonicTone": "Moderately Unpleasant",          "Pressure": 0,          "Comments": "10"      }  ] |
| /surveyrepeatdata | Can be left blank to return all or can specify  /surveydata?SurveyID=1&SurveyorID=1&GroupID&DatapointID=1 | Similar to survey data |
| Post Commands | | |
| /site | Maximum and minimum data in a request  [      {          "SiteName":"animal farm",          "Address": "yes road",          "Client": "bob inc",          "Longitude": 420,          "Latitude": 69,          "Comments": "the site was pretty cool",          "A": 1,          "B": 2,          "C": 3,          "D": 4,          "E": 5,          "F": 6      },      {          "Address": "no road",          "Client": "steve inc",          "Longitude": 6969,          "Latitude": 17      }  ] | 200 ok |
| /sources | [      {          "SourceName": "Dog Poop",          "OdourCharacter": "stinky"      },      {          "SourceName": "cow manure",          "OdourCharacter": "stinky",          "Address": "test bulivard",          "Longitude": 10,          "Latitude": 10,          "Odours": "piggy",          "Polygon": "10,20,10,10,20,30,40,40",          "SiteEasting": 10,          "SiteNorthing": 10      }  ] | 200 ok |
| /surveyidentifier | [      {          "SiteID": 1,          "Description": "test survey",          "Sunrise": "08:00:00",          "Sunset": "20:00:00",          "Date": "2020-07-21",          "StartTime": "08:00:00",          "EndTime": "10:00:00"      },      {          "SiteID": 2      }  ] | 200 ok |
| /surveydata | [      {          "SurveyID": 1,          "Time": "08:00:00",          "MagneticDeclination": 1,          "SiteEasting": 420,          "SiteNorthing": 69,          "Longitude": 20,          "Latitude": 10,          "WindDirectionMag": 256,          "WindDirectionTrue": 0,          "MinWindSpeed": 0,          "MaxWindSpeed": 100,          "AirTemp": 32,          "WetbulbTemp": 30,          "Precipitation": "Not Raining",          "CloudCover": "0 Octas",          "CloudType": "Stratus",          "Duration": "Mostly Present",          "PrimaryOdour": 1,          "PrimaryIntensity": 1,          "SecondaryOdour": 2,          "SecondaryIntensity": 1,          "TertiaryOdour": 3,          "TertiaryIntensity": 1,          "HedonicTone": "Moderately Unpleasant",          "Pressure": 0,          "Comments": "10"      },      {          "SurveyID": 1,          "Time": "08:00:00",          "SiteEasting": 420,          "SiteNorthing": 69,          "Duration": "Not Present"      }  ] | 200 ok |
| /pointsetup | [      {          "SiteID": 2,          "SiteEasting": 14,          "SiteNorthing": 124      },      {          "SiteID": 1,          "SiteEasting": 100,          "SiteNorthing": 200      }  ] | 200 ok |
| /zones | [      {          "SiteID": 1,          "Type": "bob",          "Polygon": "213124"      },      {          "SiteID": 2,          "Type": "ann",          "Polygon": "2141"      }  ] | 200 ok |
| Delete Commands | | |
| /sites | [      {          "SiteID": 1      },      {          "SiteID": 2      }  ] | 200 ok |
| /sources | [      {          "SourceID": 1      },      {          "SourceID": 2      }  ] | 200 ok |
| /sitesources | [      {          "SourceID": 1,          "SiteID":1      },      {          "SourceID": 2,          "SiteID":1      }  ] | 200 ok |
| /zones | [      {          "ZoneID": 1      },      {          "ZoneID": 2      }  ] | 200 ok |
| /pointsetup | [      {          "DatapointID": 1      },      {          "DatapointID": 4      }  ] | 200 ok |
| /surveyidentifier | [      {          "SurveyID": 14      },      {          "SurveyID": 13      }  ] | 200 ok |
| /surveydata | [      {          "DatapointID": 11      },      {          "DatapointID": 4      }  ] | 200 ok |
|  | | |
| /sites | Must specify SiteID other parameters are optional  {      "SiteID": 1,      "SiteName": "bacon",      "Address": "yeasfasfasdgasad",      "Client": "steven corp",      "Longitude": 412521,      "Latitude": 152145.1241,      "Comments": "kinda weird",      "A": 91,      "B": 23,      "C": 31,      "D": 44,      "E": 55,      "F": 61  } | 200 ok |

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| --- | --- | --- | --- | --- |
|  | get | post | delete | patch |
| datapointsetup |  |  |  |  |
| repeatsurveydata |  |  |  |  |
| site |  |  |  |  |
| sources |  |  |  |  |
| sourcesatsite |  |  |  |  |
| surveydata |  |  |  |  |
| surveyidentifier |  |  |  |  |
| surveyors |  |  |  |  |
| zones |  |  |  |  |