

유동인구 분석 사용자 API

1. Visitor Count (방문자수)

HTTP method	GET
Webservice endpoint	https://test.lbasense.com:38443/api/VisitorCount

Parameter	Type	Mandatory	Description
site_id	Integer	Yes	The unique ID of the site to be queried
start_time	String	Yes	YYYY-MM-DDTHH:MM:SS
end_time	String	Yes	YYYY-MM-DDTHH:MM:SS
resolution	String	Yes	"days", "hours"
predictions	String	No	Prediction value of visitor count (True or False)

Example Call

https://test.lbasense.com:38443/api/VisitorCount/?site_id=5113&start_time=2022-03-09T00:00:00&end_time=2022-03-09T23:59:59&resolution=days

출력결과 : 0지역에 방문자수 7,118명 . 1지역에 방문자수는 207명

```
{
  "data": [
    {
      "date": "2022-03-09",
      "region_data": [
        {
          "region": 0,
          "count": 7118
        },
        {
          "region": 1,
          "count": 207
        }
      ]
    }
  ]
}
```

2. Mobility / MobilityN (이동경로 / 다빈도 이동경로)

HTTP method	GET
Webservice endpoint	https://test.lbasense.com:38443/api/Mobility

Parameter	Type	Mandatory	Description
site_id	Integer	Yes	The unique ID of the site to be queried
start_time	String	Yes	YYYY-MM-DDTHH:MM:SS
end_time	String	Yes	YYYY-MM-DDTHH:MM:SS
num_sequence	Integer	Yes	Number of mobility sequence to query (3, 4, 5)

Example Call

https://test.lbasense.com:38443/api/Mobility/?site_id=5113&start_time=2022-03-09T00:00:00&end_time=2022-03-09T23:59:59

출력결과 : 3지역 에서 13지역까지 31% 인원이 이동함

```
{
  "data": [
    {
      "date": "2022-03-09T00:00:00",
      "mobility_data": [
        {
          "region_from": 3,
          "region_to": 13,
          "percentage": 31,
          "valid": true,
          "correction_factor": 1.8445365985229243
        }
      ]
    }
  ]
}
```

https://test.lbasense.com:38443/api/MobilityN/?site_id=5113&start_time=2022-03-09T00:00:00&end_time=2022-03-09T23:59:59&num_sequence=4

출력결과 : 7지역-> 3지역 -> 13지역 -> 10지역까지 10%인원이 이동함

```
{
  "data": [
    {
      "start_time": "2022-03-09T00:00:00",
      "end_time": "2022-03-09T00:00:00",
      "mobility_data": [
        {
          "pattern": [
```

```

        7,
        3,
        13,
        10
    ],
    "percentage": 10
}
}

```

3. AverageDuration (평균체류시간)

HTTP method	GET
Webservice endpoint	https://test.lbasense.com:38443/api/AverageDuration

Parameter	Type	Mandatory	Description
site_id	Integer	Yes	The unique ID of the site to be queried
start_time	String	Yes	YYYY-MM-DDTHH:MM:SS
end_time	String	Yes	YYYY-MM-DDTHH:MM:SS
resolution	String	Yes	"days"

Example Call

https://test.lbasense.com:38443/api/AverageDuration/?site_id=5113&start_time=2022-03-09T00:00:00&end_time=2022-03-09T23:59:59&resolution=days

출력결과 : 0지역 평균 1,776초 체류함, 1지역 평균 2,263초 체류함

```

{
  "data": [
    {
      "date": "2022-03-09",
      "region_data": [
        {
          "region": 0,
          "average_duration": 1776
        },
        {
          "region": 1,
          "average_duration": 2263
        }
      ]
    }
  ]
}

```

4. ReturningVisitorCount (재방문인원수)

HTTP method	GET
Webservice endpoint	https://test.lbasense.com:38443/api/ReturningVisitorCount

Parameter	Type	Mandatory	Description
site_id	Integer	Yes	The unique ID of the site to be queried
start_time	String	Yes	YYYY-MM-DDTHH:MM:SS
end_time	String	Yes	YYYY-MM-DDTHH:MM:SS
resolution	String	Yes	"days"

Example Call

https://test.lbasense.com:38443/api/ReturningVisitorCount/?site_id=5113&start_time=2022-03-09T00:00:00&end_time=2022-03-09T23:59:59&resolution=days

출력결과 : 0지역에 1461명이 재방문함, 1지역에 78명이 재방문함

```
{
  "data": [
    {
      "date": "2022-03-09",
      "region_data": [
        {
          "region": 0,
          "count": 1461
        },
        {
          "region": 1,
          "count": 78
        }
      ]
    }
  ]
}
```

5. SensorHealth (센서상태)

HTTP method	GET
Webservice endpoint	https://test.lbasense.com:38443/api/AverageDuration

Parameter	Type	Mandatory	Description
site_id	Integer	Yes	The unique ID of the site to be queried

Example Call

https://test.lbasense.com:38443/api/SensorHealth/?site_id=5113

출력결과 : 1지역 2970센서가 online 상태

```
[
  {
    "sensorId": 2970,
    "lastTimeSeen": "2022-03-31T14:48:41",
    "region": 1,
    "uptime": "168:18:50",
    "status": "online",
    "softwareVersion": "8.2.D.191115S",
    "hardwareType": "Unisem"
  },
]
```