Webservice-OpenWeatherMap

Sääpalvelu openWeatherMap:

Palvelusta saa luettua nykyisen säätilan, tai ennusteita ympäri maailman.

Dokumentaatio:
https://openweathermap.org/current
https://openweathermap.org/forecast5

NYKYINEN SÄÄTILA

URL:
    http://api.openweathermap.org/data/2.5/weather

Parametrit:

    ?q={city name}
    ?q={city name},{country code}
    ?id={cityIdCode}
    ?lat=35&lon=139
    ?mode={dataMode} dataMode = "json" | "xml"

Vastaus:

```
    "main":{
        "temp":306.15,
        "pressure":1013,
        "humidity":44,
        "temp_min":306,
        "temp_max":306
    }
```

ENNUSTE 5 VRK

Antaa ennusteen haluttuun paikkaan 3 tunnin välein, max 5 vuorokaudeksi.

Vastauksessa jokainen rivi edustaa 3 tunnin jaksoa.

URL:
    http://api.openweathermap.org/data/2.5/forecast

Parametrit:

?q={city name}
?q={city name},{country code}
?id={cityIdCode}
?lat=35&lon=139
?mode={json|xml}
?cnt={nRows}
?units={metric|imperial}

Esimerkiksi:
http://api.openweathermap.org/data/2.5/forecast?q=tampere,fi&units=metric

Vastaus (rajoitettu 4 vastaus riviin):


```
{
 "cod": "200",
 "message": 0.0032,
 "cnt": 4,
 "list": [
  {
   "dt": 1487246400,
   "main": {
    "temp": 286.67,
    "temp_min": 281.556,
    "temp_max": 286.67,
    "pressure": 972.73,
    "sea_level": 1046.46,
    "grnd_level": 972.73,
    "humidity": 75,
    "temp_kf": 5.11
   },
   "weather": [
    {
     "id": 800,
     "main": "Clear",
     "description": "clear sky",
     "icon": "01d"
    }
   ],
   "clouds": {
    "all": 0
   },
   "wind": {
    "speed": 1.81,
    "deg": 247.501
   },
   "sys": {
    "pod": "d"
   },
   "dt_txt": "2017-02-16 12:00:00"
  },
  {
   "dt": 1487257200,
   "main": {
    "temp": 285.66,
```

```
    "temp_min": 281.821,
    "temp_max": 285.66,
    "pressure": 970.91,
    "sea_level": 1044.32,
    "grnd_level": 970.91,
    "humidity": 70,
    "temp_kf": 3.84
   },
   "weather": [
    {
     "id": 800,
     "main": "Clear",
     "description": "clear sky",
     "icon": "01d"
    }
   ],
   "clouds": {
    "all": 0
   },
   "wind": {
    "speed": 1.59,
    "deg": 290.501
   },
   "sys": {
    "pod": "d"
   },
   "dt_txt": "2017-02-16 15:00:00"
  },
  {
   "dt": 1487268000,
   "main": {
    "temp": 277.05,
    "temp_min": 274.498,
    "temp_max": 277.05,
    "pressure": 970.44,
    "sea_level": 1044.7,
    "grnd_level": 970.44,
    "humidity": 90,
    "temp_kf": 2.56
   },
   "weather": [
    {
     "id": 800,
     "main": "Clear",
     "description": "clear sky",
     "icon": "01n"
    }
   ],
   "clouds": {
    "all": 0
   },
   "wind": {
    "speed": 1.41,
    "deg": 263.5
```

```
    },
    "sys": {
      "pod": "n"
    },
    "dt_txt": "2017-02-16 18:00:00"
  },
  {
    "dt": 1487624400,
    "main": {
      "temp": 272.424,
      "temp_min": 272.424,
      "temp_max": 272.424,
      "pressure": 968.38,
      "sea_level": 1043.17,
      "grnd_level": 968.38,
      "humidity": 85,
      "temp_kf": 0
    },
    "weather": [
      {
        "id": 801,
        "main": "Clouds",
        "description": "few clouds",
        "icon": "02n"
      }
    ],
    "clouds": {
      "all": 20
    },
    "wind": {
      "speed": 3.57,
      "deg": 255.503
    },
    "rain": {},
    "snow": {},
    "sys": {
      "pod": "n"
    },
    "dt_txt": "2017-02-20 21:00:00"
  }
 ],
 "city": {
  "id": 6940463,
  "name": "Altstadt",
  "coord": {
    "lat": 48.137,
    "lon": 11.5752
  },
  "country": "none"
 }
}
```


Revision #1
Created 30 May 2022 11:01:07 by Severi Hiltunen

Updated 10 June 2022 11:32:00 by Severi Hiltunen