

## My Project

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# Chapter 1

## Hierarchical Index

### 1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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## Chapter 2

# Class Index

### 2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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<a href="#">Data</a>	8
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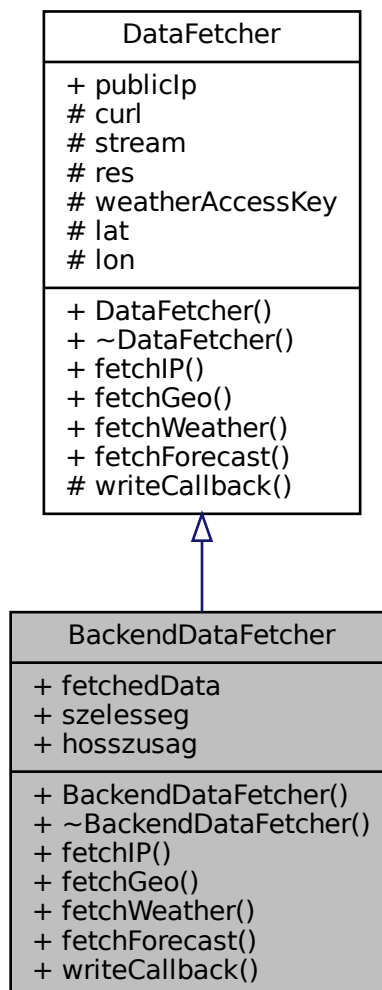


## Chapter 3

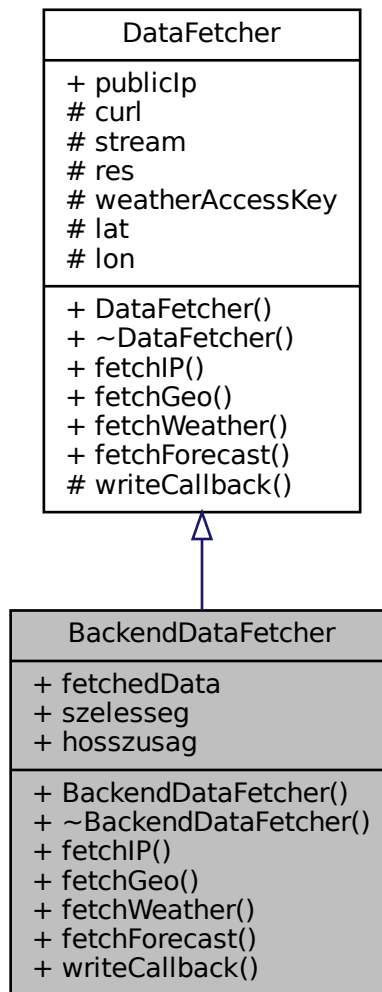
# Class Documentation

## 3.1 BackendDataFetcher Class Reference

Inheritance diagram for BackendDataFetcher:



Collaboration diagram for BackendDataFetcher:



### Public Member Functions

- void **fetchIP** () override
- void **fetchGeo** () override
- [WeatherData](#) **fetchWeather** () override
- std::vector< [WeatherData](#) > **fetchForecast** () override

### Static Public Member Functions

- static size\_t **writeCallback** (char \*ptr, size\_t size, size\_t nmemb, std::string \*stream)

### Public Attributes

- std::string **fetchedData**
- int **szelesseg**
- int **hosszusag**

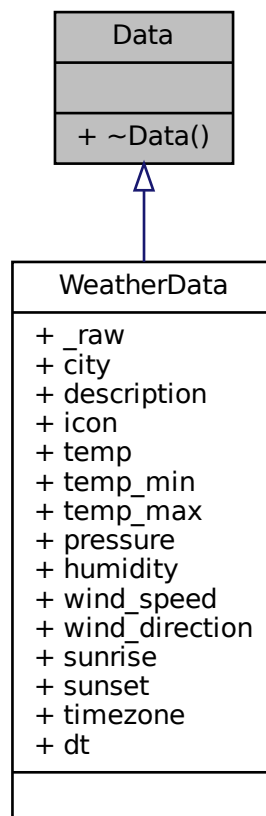
## Additional Inherited Members

The documentation for this class was generated from the following files:

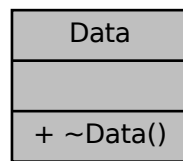
- backend.hpp
- backend.cpp

## 3.2 Data Class Reference

Inheritance diagram for Data:



Collaboration diagram for Data:

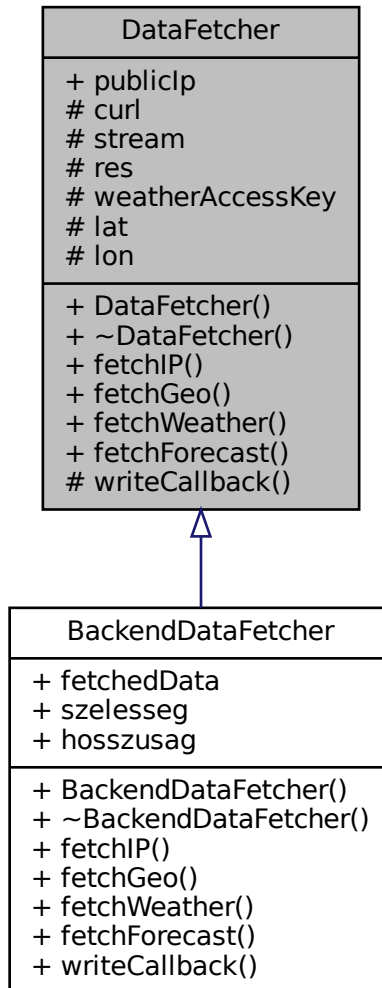


The documentation for this class was generated from the following file:

- backend.hpp

### 3.3 DataFetcher Class Reference

Inheritance diagram for DataFetcher:



Collaboration diagram for DataFetcher:

DataFetcher
+ publicIp # curl # stream # res # weatherAccessKey # lat # lon
+ DataFetcher() + ~DataFetcher() + fetchIP() + fetchGeo() + fetchWeather() + fetchForecast() # writeCallback()

### Public Member Functions

- virtual void **fetchIP** ()=0
- virtual void **fetchGeo** ()=0
- virtual [WeatherData](#) **fetchWeather** ()=0
- virtual std::vector< [WeatherData](#) > **fetchForecast** ()=0

### Public Attributes

- std::string **publicIp**

### Static Protected Member Functions

- static size\_t **writeCallback** (char \*ptr, size\_t size, size\_t nmemb, std::string \*stream)

### Protected Attributes

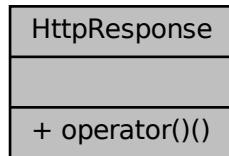
- CURL \* **curl**
- std::string **stream**
- CURLcode **res**
- const char \* **weatherAccessKey** = "c27e7fc04775ef3b49e5e69b77c89ee0"
- double **lat**
- double **lon**

The documentation for this class was generated from the following files:

- backend.hpp
- backend.cpp

### 3.4 HttpResponse Class Reference

Collaboration diagram for HttpResponse:



#### Public Member Functions

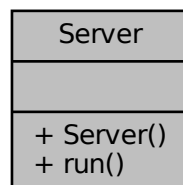
- void **operator()** (int clientSocket)

The documentation for this class was generated from the following file:

- main.cpp

### 3.5 Server Class Reference

Collaboration diagram for Server:



#### Public Member Functions

- void **run** ()

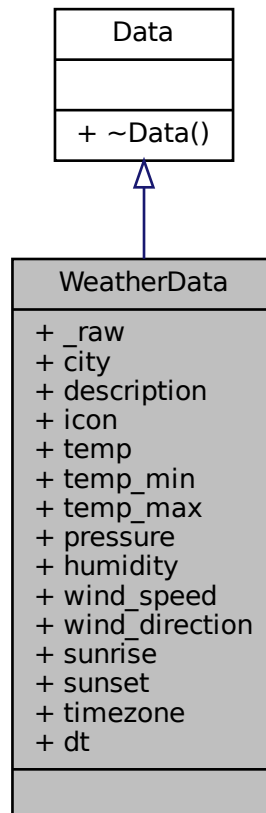
The documentation for this class was generated from the following file:

- main.cpp

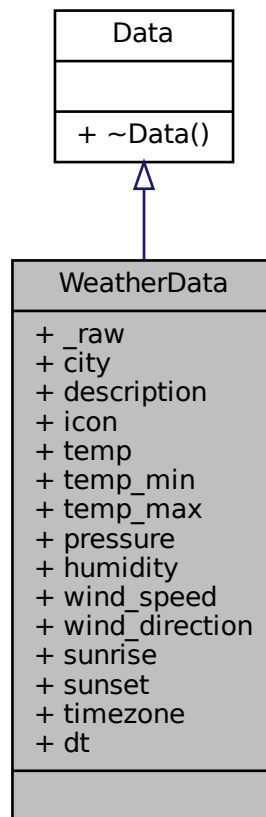


## 3.6 WeatherData Class Reference

Inheritance diagram for WeatherData:



Collaboration diagram for WeatherData:



### Public Attributes

- `std::string _raw`
- `std::string city`
- `std::string description`
- `std::string icon`
- `int temp`
- `int temp_min`
- `int temp_max`
- `int pressure`
- `int humidity`
- `int wind_speed`
- `int wind_direction`
- `int sunrise`
- `int sunset`
- `int timezone`
- `int dt`

The documentation for this class was generated from the following file:

- `backend.hpp`

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