

## jsonToBatProject

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# Chapter 1

## README

Doxygen Documentation

Sonar Cloud

### 1.1 README

#### 1.1.1 Current workflows:

- build
  - build and test the application on:
    - \* windows with cl
    - \* ubuntu with g++
    - \* ubuntu with clang++
- CodeQL
  - Code security
- Doxygen Action
  - Generate Doxygen documentation
  - Deploys generated documentation to gh-pages
- Microsoft C++ Code Analysis
- pages-build-deployment
- SonarCloud
  - Static code analysis *For Scanning Alerts -> Security*

#### 1.1.2 Regarding coding style (?):

- no classes in global namespace
- no "using NAMESPACE"
- 4 space indenting
- ? *setup astyle options?*

#### 1.1.3 Git (?):

- no direct commits onto main (only via pull-requests)



## Chapter 2

# Todo List

### Namespace **WIP**

Github

- "Dev-Ops"
- Doxygen settings
- Template-Comment
- Template-Header-Comment

### Global **WIP::exampleEasyLogging** ()

Configure easylogging properly

- outsource easylogging config
  - e.g. startup class?





## Chapter 3

# Namespace Index

### 3.1 Namespace List

Here is a list of all namespaces with brief descriptions:

<a href="#">WIP</a>	Namespace for work in progress . . . . .	<a href="#">9</a>
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# Chapter 4

## File Index

### 4.1 File List

Here is a list of all files with brief descriptions:

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## Chapter 5

# Namespace Documentation

### 5.1 WIP Namespace Reference

Namespace for work in progress.

#### Functions

- void [exampleEasyLogging](#) ()  
*Example of how to use easylogging with a configuration file.*

#### 5.1.1 Detailed Description

Namespace for work in progress.

- Todo**
- Github
  - "Dev-Ops"
  - Doxygen settings
  - Template-Comment
  - Template-Header-Comment

- This namespace is for code that is not finished yet
- It is used to keep the main namespace clean

#### 5.1.2 Function Documentation

##### 5.1.2.1 [exampleEasyLogging\(\)](#)

```
void WIP::exampleEasyLogging ( )
```

Example of how to use easylogging with a configuration file.

- This function is an example of how to use easylogging
- The configuration file is located in ../conf
- Before proper integration, config has to be done properly

**Todo**

Definition at line [53](#) of file [main.cpp](#).



# Chapter 6

## File Documentation

### 6.1 README.md File Reference

### 6.2 src/main.cpp File Reference

```
#include <easylogging++.h>
#include <iostream>
```

#### Namespaces

- namespace [WIP](#)  
*Namespace for work in progress.*

#### Functions

- void [WIP::exampleEasyLogging](#) ()  
*Example of how to use easylogging with a configuration file.*
- int [main](#) (int argc, char \*argv[])  
*Main function.*

#### 6.2.1 Function Documentation

##### 6.2.1.1 main()

```
int main (
    int argc,
    char * argv[] )
```

Main function.

Codeconvention:

- Formatter: `astyle`

Definition at line [26](#) of file [main.cpp](#).

References [WIP::exampleEasyLogging\(\)](#).

## 6.3 main.cpp

[Go to the documentation of this file.](#)

```
00001 #include <easylogging++.h>
00002 #include <iostream>
00003
00013 INITIALIZE_EASYLOGGINGPP
00014
00015 namespace WIP {
00016 void exampleEasyLogging();
00017 }
00018
00026 int main(int argc, char *argv[]) {
00027     WIP::exampleEasyLogging();
00028     std::cout << "Hello, World!" << std::endl;
00029     return 0;
00030 }
00031
00039 namespace WIP {
00053 void exampleEasyLogging() {
00054     el::Configurations conf("conf/easylogging.conf");
00055     el::Loggers::reconfigureLogger("default", conf);
00056     el::Loggers::reconfigureAllLoggers(conf);
00057
00058     LOG(INFO) << "My first info log using default logger";
00059 }
00060 } // namespace WIP
```



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