SIGRun

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

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

Core 7
Log 8
ostringstream
    Print 9
PluginCollector 9
Scripting 12
SIGRun 12
SuperEffect 13

Chapter 2

Class Index

2.1 Class List

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

Core 7
Log 8
PluginCollector 9
Print 9
Scripting 12
SIGRun 12
SuperEffect 13

Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

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Chapter 4

Class Documentation

4.1 Core Class Reference

`#include <Core.hpp>`

Public Member Functions

- ~Core ()

Friends

- class SIGRun
- class SIGRunTest
- class SIGRunCoreTest

4.1.1 Detailed Description

Definition at line 6 of file Core.hpp.

4.1.2 Constructor & Destructor Documentation

4.1.2.1 ~Core()

`Core::~Core ( )`

Definition at line 12 of file Core.cpp.

4.1.3 Friends And Related Function Documentation

4.1.3.1 SIGRun

```
friend class SIGRun  [friend]
```

Definition at line 17 of file Core.hpp.

4.1.3.2 SIGRunCoreTest

```
friend class SIGRunCoreTest  [friend]
```

Definition at line 19 of file Core.hpp.

4.1.3.3 SIGRunTest

```
friend class SIGRunTest  [friend]
```

Definition at line 18 of file Core.hpp.

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

- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.hpp
- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.cpp

4.2 Log Class Reference

```
#include <Log.hpp>
```

4.2.1 Detailed Description

Definition at line 7 of file Log.hpp.

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

- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/log/Log.hpp

4.3 PluginCollector Class Reference

`#include <PluginCollector.hpp>`

Static Public Member Functions

- static void collect (const std::string &rel_path, std::vector< std::string > &files)

4.3.1 Detailed Description

Definition at line 8 of file PluginCollector.hpp.

4.3.2 Member Function Documentation

4.3.2.1 collect()

```
void PluginCollector::collect (
            const std::string & rel_path,
            std::vector< std::string > & files )  [static]
```

Definition at line 9 of file PluginCollector.cpp.

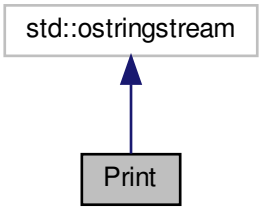
The documentation for this class was generated from the following files:

- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.hpp
- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.cpp

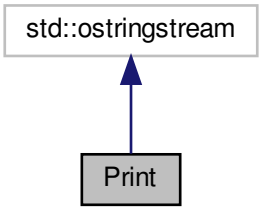
4.4 Print Class Reference

`#include <Print.hpp>`

Inheritance diagram for Print:



Collaboration diagram for Print:



Public Member Functions

- Print ()=default
- ~Print ()

Static Public Member Functions

- template<typename T >
  static void print (const std::vector< std::vector< T >> &v)
- template<typename T >
  static void print (const std::vector< T > &v)
- template<typename T1 , typename T2 >
  static void print (const std::map< T1, T2 > &map)
- template<typename T >
  static void print (const T &arg)

4.4.1 Detailed Description

Definition at line 45 of file Print.hpp.

4.4.2 Constructor & Destructor Documentation

4.4.2.1 Print()

```
Print::Print ( )  [default]
```

4.4.2.2 ~Print()

```
Print::~Print ( )  [inline]
```

Definition at line 49 of file Print.hpp.

4.4.3 Member Function Documentation

4.4.3.1 print() [1/4]

```
template<typename T >
static void Print::print (
            const std::vector< std::vector< T >> & v )  [inline], [static]
```

Definition at line 56 of file Print.hpp.

4.4.3.2 print() [2/4]

```
template<typename T >
static void Print::print (
            const std::vector< T > & v )  [inline], [static]
```

Definition at line 81 of file Print.hpp.

4.4.3.3 print() [3/4]

```
template<typename T1 , typename T2 >
static void Print::print (
            const std::map< T1, T2 > & map )  [inline], [static]
```

Definition at line 101 of file Print.hpp.

4.4.3.4 print() [4/4]

```
template<typename T >
static void Print::print (
            const T & arg )  [inline], [static]
```

Definition at line 112 of file Print.hpp.

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

- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.hpp
- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.cpp

4.5 Scripting Class Reference

`#include <Scripting.hpp>`

4.5.1 Detailed Description

Definition at line 5 of file Scripting.hpp.

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

- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/Scripting.hpp

4.6 SIGRun Class Reference

`#include <SIGRun.hpp>`

Public Member Functions

- SIGRun ()
- ~SIGRun ()
- int exec (int argc, char **argv)
  entry point of SIGRun

Static Public Member Functions

- static int quit ()
  exit SIGRun

4.6.1 Detailed Description

Definition at line 8 of file SIGRun.hpp.

4.6.2 Constructor & Destructor Documentation

4.6.2.1 SIGRun()

`SIGRun::SIGRun ( )`

Definition at line 10 of file SIGRun.cpp.

4.6.2.2 ~SIGRun()

```
SIGRun::~SIGRun ( )
```

Definition at line 15 of file SIGRun.cpp.

4.6.3 Member Function Documentation

4.6.3.1 exec()

```
int SIGRun::exec (
            int argc,
            char ** argv )
```

entry point of SIGRun

Entry point of SIGRun initializing all further systems

Parameters

argc	cli argc
argv	cli argv

Definition at line 27 of file SIGRun.cpp.

4.6.3.2 quit()

```
int SIGRun::quit ( )  [static]
```

exit SIGRun

static exit function of SIGRun terminating all other systems

Definition at line 39 of file SIGRun.cpp.

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

- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.hpp
- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.cpp

4.7 SuperEffect Class Reference

```
#include <SuperEffect.hpp>
```

4.7.1 Detailed Description

Definition at line 7 of file SuperEffect.hpp.

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

- /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/SuperEffect.hpp

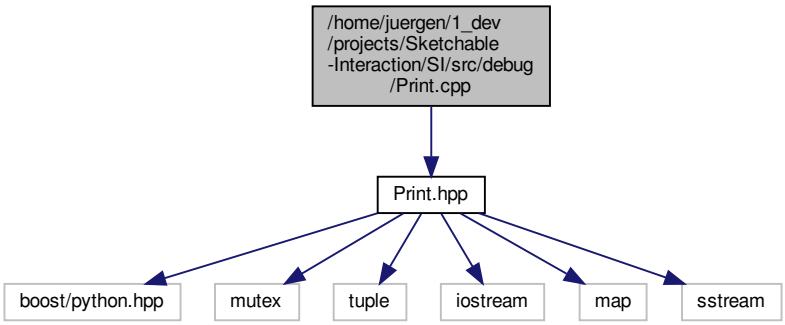
Chapter 5

File Documentation

5.1 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.cpp File Reference

```
#include "Print.hpp"
```

Include dependency graph for Print.cpp:

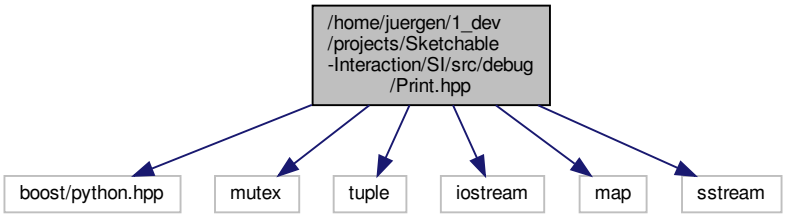


5.2 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.hpp File Reference

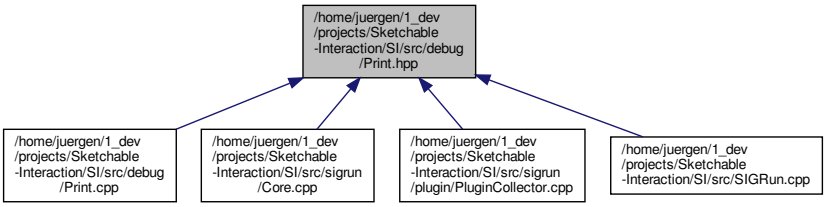
```
#include <boost/python.hpp>
#include <mutex>
#include <tuple>
#include <iostream>
#include <map>
```

```
#include <sstream>
```

Include dependency graph for Print.hpp:



This graph shows which files directly or indirectly include this file:



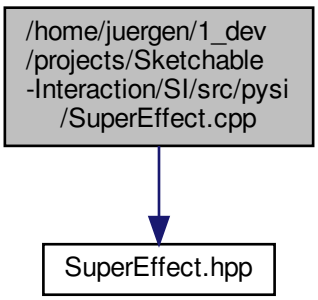
Classes

- class Print

5.3 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/SuperEffect.cpp File Reference

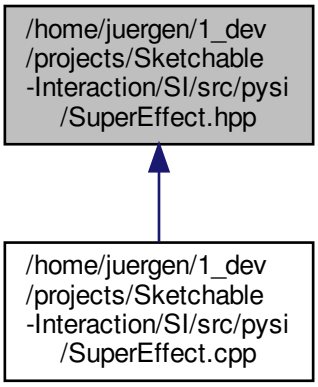
```
#include "SuperEffect.hpp"
```

Include dependency graph for SuperEffect.cpp:



5.4 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/SuperEffect.hpp File Reference

This graph shows which files directly or indirectly include this file:



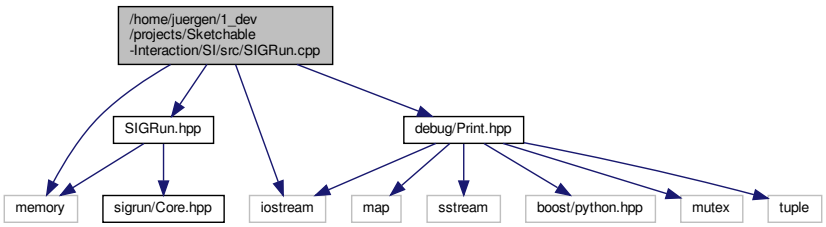
Classes

- class SuperEffect

5.5 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.cpp File Reference

```
#include <memory>
#include <iostream>
#include "SIGRun.hpp"
#include "debug/Print.hpp"
```

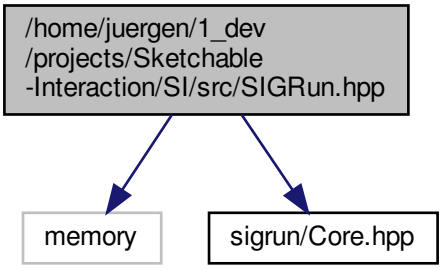
Include dependency graph for SIGRun.cpp:



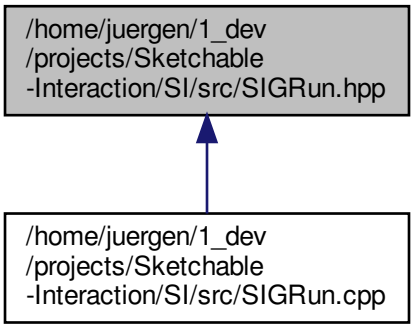
5.6 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.hpp File Reference

```
#include <memory>
#include "sigrun/Core.hpp"
```

Include dependency graph for SIGRun.hpp:



This graph shows which files directly or indirectly include this file:



Classes

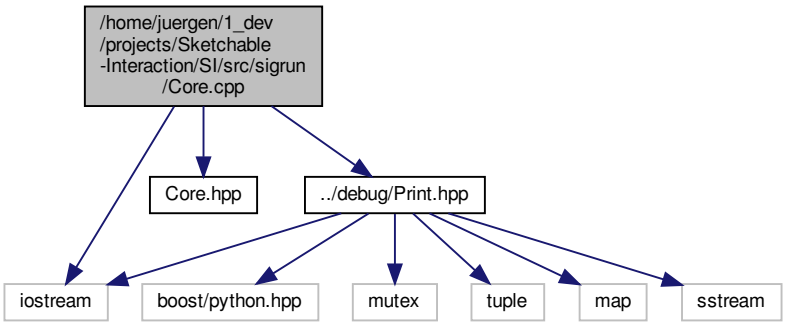
- class SIGRun

5.7 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.cpp File Reference

```
#include <iostream>
#include "Core.hpp"
```

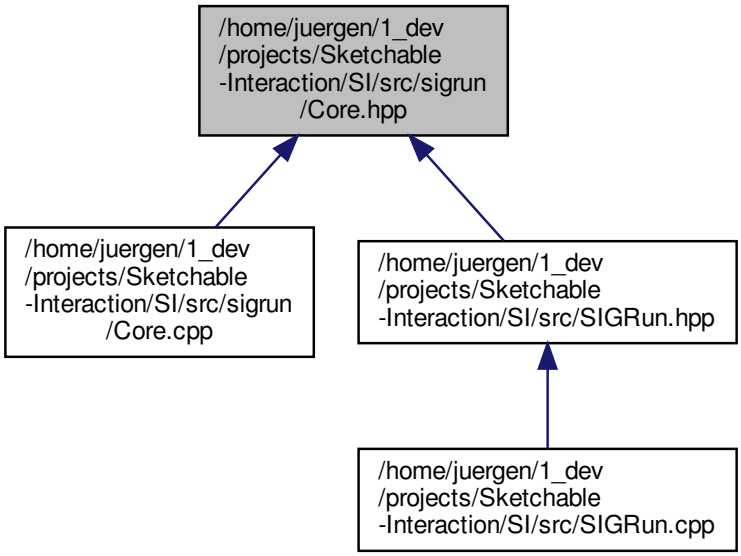
```
#include "../debug/Print.hpp"
```

Include dependency graph for Core.cpp:



5.8 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.hpp File Reference

This graph shows which files directly or indirectly include this file:



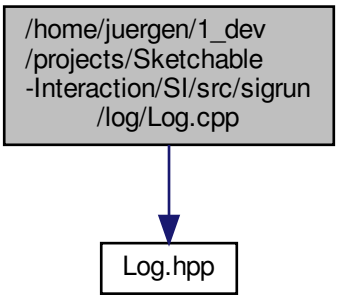
Classes

- class Core

5.9 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/log/Log.cpp File Reference

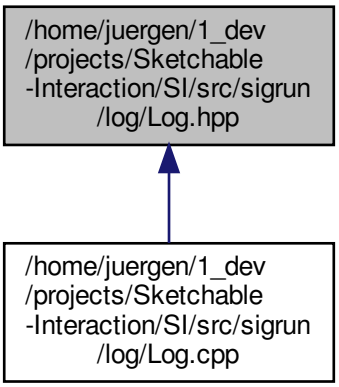
```
#include "Log.hpp"
```

Include dependency graph for Log.cpp:



5.10 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/log/Log.hpp File Reference

This graph shows which files directly or indirectly include this file:



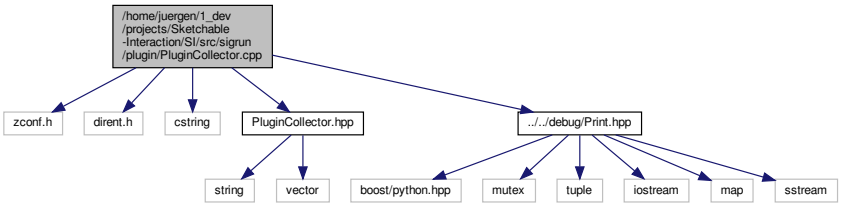
Classes

- class Log

5.11 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.cpp File Reference

```
#include <zconf.h>
#include <dirent.h>
#include <cstring>
#include "PluginCollector.hpp"
#include "../../debug/Print.hpp"
```

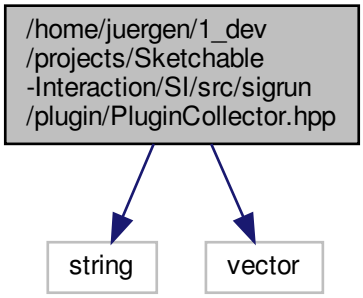
Include dependency graph for PluginCollector.cpp:



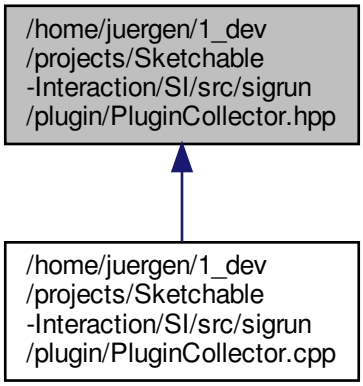
5.12 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.hpp File Reference

```
#include <string>
#include <vector>
```

Include dependency graph for PluginCollector.hpp:



This graph shows which files directly or indirectly include this file:



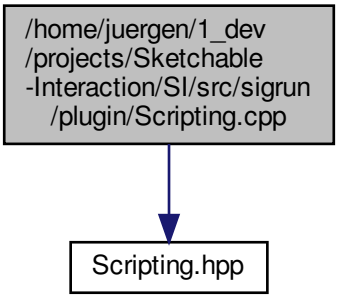
Classes

- class PluginCollector

5.13 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/Scripting.cpp File Reference

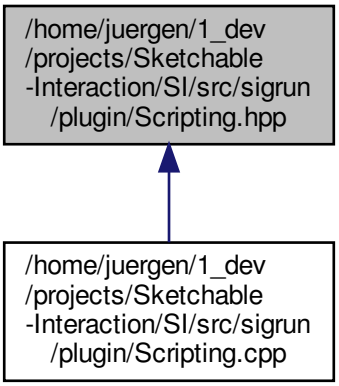
```
#include "Scripting.hpp"
```

Include dependency graph for Scripting.cpp:



5.14 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/Scripting.hpp File Reference

This graph shows which files directly or indirectly include this file:



Classes

- class Scripting

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