

Avoid_obstacle_forocoches

Generated by Doxygen 1.9.1

1 Hierarchical Index	1
1.1 Class Hierarchy	1
2 Class Index	3
2.1 Class List	3
3 File Index	5
3.1 File List	5
4 Class Documentation	7
4.1 AvoidObstacleNode Class Reference	7
4.2 DebugNode Class Reference	8
5 File Documentation	9
5.1 include/avoid_obstacle_forocoche/AvoidObstacleNode.hpp File Reference	9
5.1.1 Detailed Description	10
5.2 include/avoid_obstacle_forocoche/DebugNode.hpp File Reference	10
5.2.1 Detailed Description	11
5.3 src/avoid_obstacle_forocoche/AvoidObstacleNode.cpp File Reference	12
5.3.1 Detailed Description	12
5.4 src/avoid_obstacle_forocoche/DebugNode.cpp File Reference	12
5.4.1 Detailed Description	13
Index	15

Chapter 1

Hierarchical Index

1.1 Class Hierarchy

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

rcicpp::Node	
AvoidObstacleNode	7
DebugNode	8

Chapter 2

Class Index

2.1 Class List

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

AvoidObstacleNode	7
DebugNode	8

Chapter 3

File Index

3.1 File List

Here is a list of all documented files with brief descriptions:

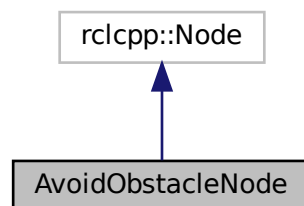
include/avoid_obstacle_forocoche/AvoidObstacleNode.hpp	9
include/avoid_obstacle_forocoche/DebugNode.hpp	
Node implementation for debugging purposes for the kobuki	10
src/avoid_obstacle_forocoche/AvoidObstacleNode.cpp	12
src/avoid_obstacle_forocoche/DebugNode.cpp	
Node implementation for debugging purposes for the kobuki	12

Chapter 4

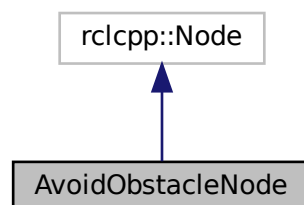
Class Documentation

4.1 AvoidObstacleNode Class Reference

Inheritance diagram for AvoidObstacleNode:



Collaboration diagram for AvoidObstacleNode:

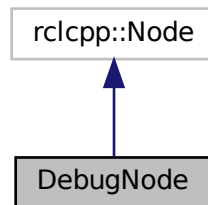


The documentation for this class was generated from the following files:

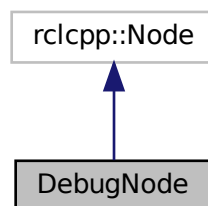
- [include/avoid_obstacle_forocoches/AvoidObstacleNode.hpp](#)
- [src/avoid_obstacle_forocoches/AvoidObstacleNode.cpp](#)

4.2 DebugNode Class Reference

Inheritance diagram for DebugNode:



Collaboration diagram for DebugNode:



Public Types

- typedef `rclcpp::Publisher< std_msgs::msg::Int32 >::SharedPtr` **DebugPublisher**
- typedef `std_msgs::msg::Int32` **DebugMessage**

Static Public Attributes

- static const char * **TOPIC_NAME** = "debug_topic"
- static const int **OFF** = 1
- static const int **OK** = 9
- static const int **READY** = 17
- static const int **NOT_ON_GROUND** = 41
- static const int **ERROR** = 49

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

- [include/avoid_obstacle_forocoques/DebugNode.hpp](#)
- [src/avoid_obstacle_forocoques/DebugNode.cpp](#)

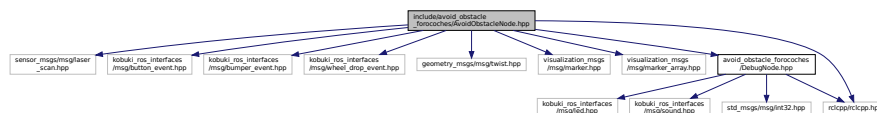
Chapter 5

File Documentation

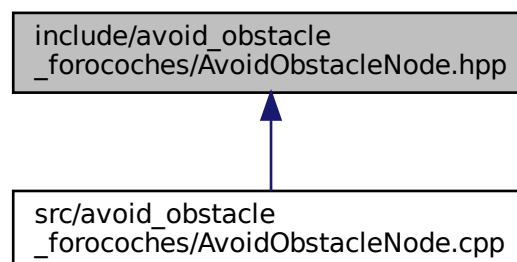
5.1 include/avoid_obstacle_forocoches/AvoidObstacleNode.hpp File Reference

```
#include "sensor_msgs/msg/laser_scan.hpp"
#include "kobuki_ros_interfaces/msg/button_event.hpp"
#include "kobuki_ros_interfaces/msg/bumper_event.hpp"
#include "kobuki_ros_interfaces/msg/wheel_drop_event.hpp"
#include "geometry_msgs/msg/twist.hpp"
#include "visualization_msgs/msg/marker.hpp"
#include "visualization_msgs/msg/marker_array.hpp"
#include "avoid_obstacle_forocoches/DebugNode.hpp"
#include "rclcpp/rclcpp.hpp"
```

Include dependency graph for AvoidObstacleNode.hpp:



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



Classes

- class [AvoidObstacleNode](#)

5.1.1 Detailed Description

Author

Forocoche

Version

0.1

Date

2023-02-23

Copyright

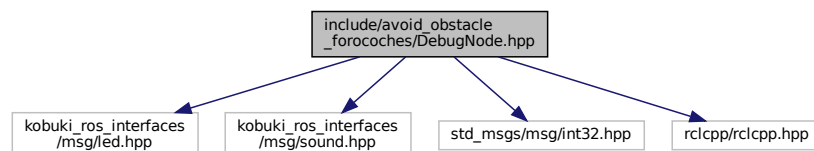
Copyright (c) 2023

5.2 include/avoid_obstacle_forocoche/DebugNode.hpp File Reference

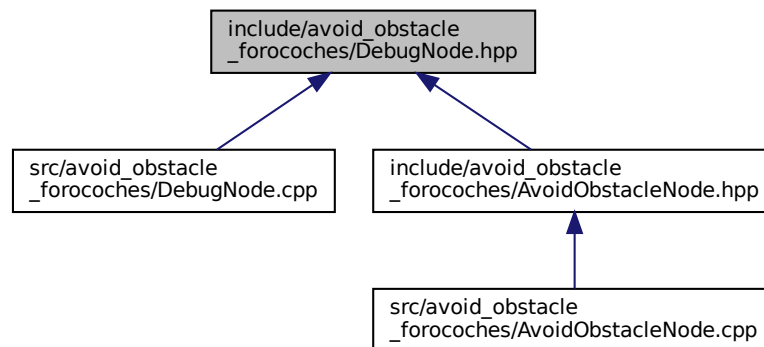
Node implementation for debugging purposes for the kobuki.

```
#include "kobuki_ros_interfaces/msg/led.hpp"
#include "kobuki_ros_interfaces/msg/sound.hpp"
#include "std_msgs/msg/int32.hpp"
#include "rclcpp/rclcpp.hpp"
```

Include dependency graph for DebugNode.hpp:



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



Classes

- class [DebugNode](#)

5.2.1 Detailed Description

Node implementation for debugging purposes for the kobuki.

Author

Javier Izquierdo Hernandez (j.izquierdoh.2021@alumnos.urjc.es)

Note

Uses leds, sound and terminal functions for debugging

Version

1.0

Date

2023-02-17

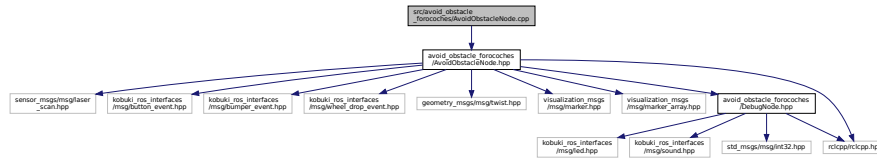
Copyright

Copyright (c) 2023

5.3 src/avoid_obstacle_forocoches/AvoidObstacleNode.cpp File Reference

```
#include "avoid_obstacle_forocoches/AvoidObstacleNode.hpp"
```

Include dependency graph for AvoidObstacleNode.cpp:



5.3.1 Detailed Description

Author

Forocoches

Version

0.1

Date

2023-02-23

Copyright

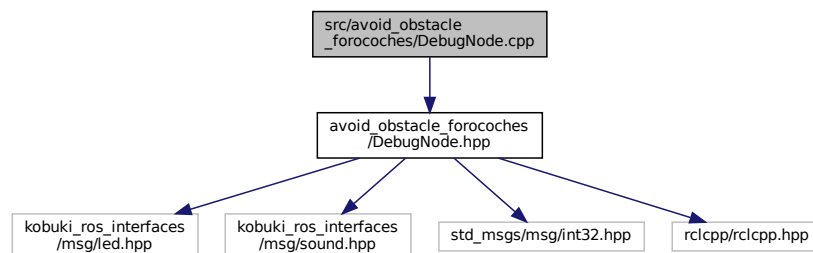
Copyright (c) 2023

5.4 src/avoid_obstacle_forocoches/DebugNode.cpp File Reference

Node implementation for debugging purposes for the kobuki.

```
#include "avoid_obstacle_forocoches/DebugNode.hpp"
```

Include dependency graph for DebugNode.cpp:



5.4.1 Detailed Description

Node implementation for debugging purposes for the kobuki.

Author

Javier Izquierdo Hernandez (j.izquierdoh.2021@alumnos.urjc.es)

Note

Uses leds, sound and terminal functions for debugging

Version

1.0

Date

2023-02-17

Copyright

Copyright (c) 2023

Index

AvoidObstacleNode, [7](#)

DebugNode, [8](#)

include/avoid_obstacle_forocoche/AvoidObstacleNode.hpp,
[9](#)

include/avoid_obstacle_forocoche/DebugNode.hpp, [10](#)

src/avoid_obstacle_forocoche/AvoidObstacleNode.cpp,
[12](#)

src/avoid_obstacle_forocoche/DebugNode.cpp, [12](#)