

# Openscad Container and tests

# Table of Contents

1. Document information .....	1
2. Introduction .....	1
3. Images .....	1
Appendix A: Libraries that need adding into the container .....	2

# 1. Document information

## Links to Document



Document online



Document Source



Document PDF

Table 1. Document information

Author	Status	Date	Comment
Sean Donnellan	Initial Draft	Nov/2022	Openscad container documentation

# 2. Introduction

An Openscad container for use in Github actions and in headless mode.

This repository builds a container that can create output from scad documents.

This document is to test the output and as an example.

# 3. Images

Listing 1. example

```
docker run --rm --name "openscad" --volume $PWD:/data $container openscad -o /data/test.png /data/*scad
```

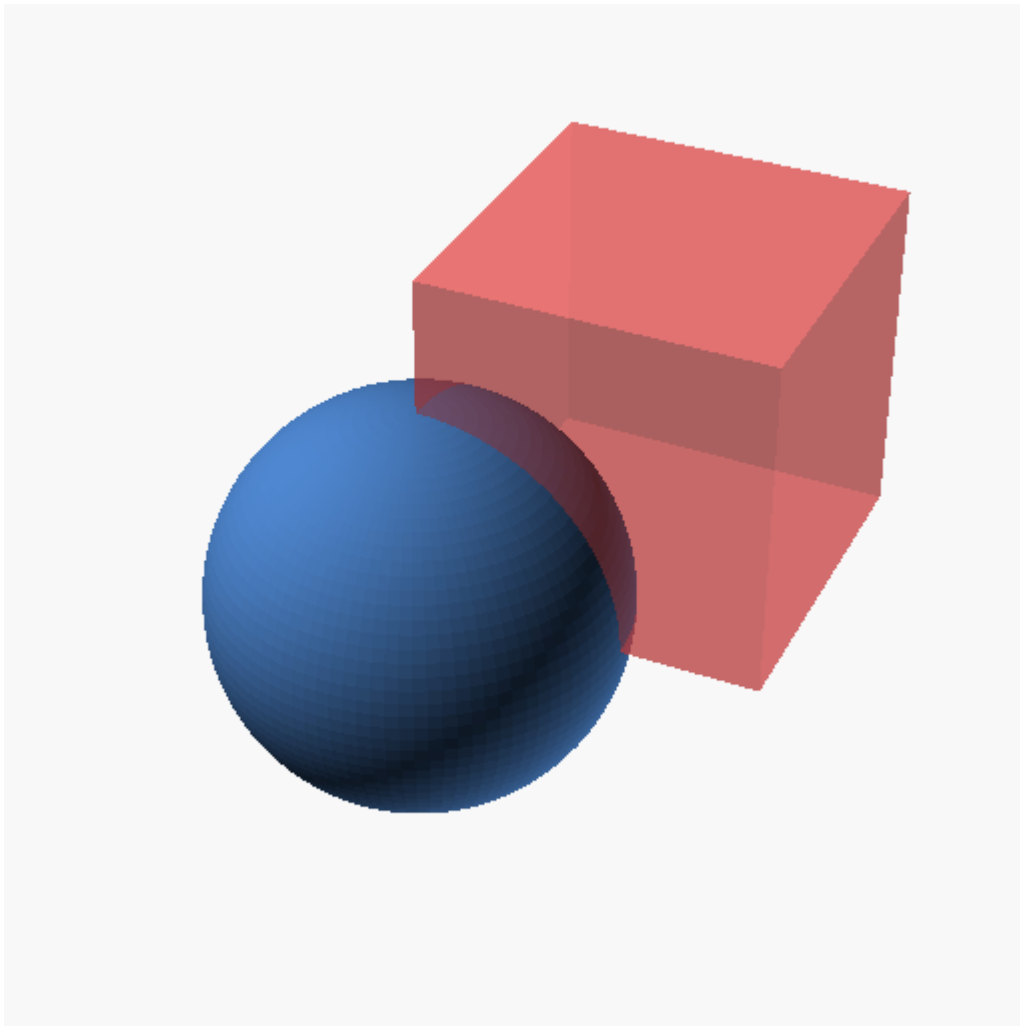


Figure 1. Output of test as png

Listing 2. test source .scad

```
$fn=100;  
#cube([10,10,10]);  
sphere(d=12);
```

## Appendix A: Libraries that need adding into the container

List of openscad libraries

- <https://openscad.org/libraries.html>

library of parts for openscad (rpi etc)

- <https://github.com/nophead/NopSCADlib>

BOSL library for openscad

- <https://github.com/revarbat/BOSL>

There are also a number of naca libraries and other airfoil libraries etc.