

# **SCons Reference Manual 2.0.0.final.0**

**Steven Knight**

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by Steven Knight

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# Table of Contents

<b>1. Preface .....</b>	<b>1</b>
1.1. Why SCons?.....	1
1.2. History.....	1
1.3. Conventions.....	1
1.4. Acknowledgements .....	1
1.5. Contact .....	1
<b>2. Builder Reference .....</b>	<b>2</b>
2.1. The Alias Builder .....	2
2.1.1. The Alias Method.....	2
2.2. The CFile Builder.....	2
2.2.1. The CFile Method.....	2
2.3. The Command Builder.....	2
2.3.1. The Command Method .....	2
2.4. The CXXFile Builder.....	2
2.4.1. The CXXFile Method .....	2
2.5. The Install Builder .....	3
2.5.1. The Install Method .....	3
2.6. The InstallAs Builder.....	3
2.6.1. The InstallAs Method.....	3
2.7. The Library Builder .....	3
2.7.1. Linking With a Library.....	3
2.7.2. Creating a Library.....	3
2.7.3. The Library Builder.....	4
2.8. The Object Builder.....	4
2.8.1. The Object Method .....	4
2.9. The PCH Builder.....	4
2.9.1. The PCH Method.....	4
2.10. The PDF Builder .....	4
2.10.1. The PDF Method.....	5
2.11. The PDF Builder .....	5
2.11.1. The PostScript Method.....	5
2.12. The Program Builder.....	5
2.12.1. The Program Builder.....	5
2.13. The RES Builder .....	5
2.13.1. The RES Method .....	5
2.14. The SharedLibrary Builder .....	5
2.14.1. The SharedLibrary Method .....	6
2.15. The SharedObject Builder.....	6
2.15.1. The SharedObject Method.....	6
2.16. The StaticLibrary Builder .....	6
2.16.1. The StaticLibrary Method .....	6
2.17. The StaticObject Builder.....	6
2.17.1. The StaticObject Method.....	6
<b>3. Construction Variable Reference.....</b>	<b>7</b>
3.1. AR .....	7

**A. Errors Generated by SCons.....8**  
A.1. X.....8

# **Chapter 1. Preface**

x

## **1.1. Why SCons?**

x

## **1.2. History**

x

## **1.3. Conventions**

x

## **1.4. Acknowledgements**

x

## **1.5. Contact**

x

# Chapter 2. Builder Reference

## 2.1. The Alias Builder

X

### 2.1.1. The `Alias` Method

X

## 2.2. The CFile Builder

X

### 2.2.1. The `CFile` Method

X

## 2.3. The Command Builder

X

### 2.3.1. The `Command` Method

X

## 2.4. The CXXFile Builder

X

### 2.4.1. The `CXXFile` Method

X

## 2.5. The Install Builder

X

### 2.5.1. The `Install` Method

X

## 2.6. The InstallAs Builder

X

### 2.6.1. The `InstallAs` Method

X

## 2.7. The Library Builder

### 2.7.1. Linking With a Library

```
env = Environment(CC = 'gcc',  
                 LIBS = 'world')  
env.Program('hello.c')
```

```
% scons  
gcc -c hello.c -o hello.o  
gcc -c world.c -o world.o  
gcc -o hello hello.o -lworld
```

## 2.7.2. Creating a Library

```
env = Environment(CC = 'gcc',  
                 LIBS = 'world')  
env.Program('hello.c')  
env.Library('world.c')
```

```
% scons  
gcc -c hello.c -o hello.o  
gcc -c world.c -o world.o  
ar r libworld.a world.o  
ar: creating libworld.a  
ranlib libworld.a  
gcc -o hello hello.o libworld.a
```

## 2.7.3. The Library Builder

X

## 2.8. The Object Builder

X

### 2.8.1. The Object Method

X

## 2.9. The PCH Builder

X

### 2.9.1. The PCH Method

X



## 2.10. The PDF Builder

X

### 2.10.1. The PDF Method

X

## 2.11. The PDF Builder

X

### 2.11.1. The PostScript Method

X

## 2.12. The Program Builder

X

### 2.12.1. The Program Builder

X

## 2.13. The RES Builder

X

### 2.13.1. The RES Method

X

## **2.14. The SharedLibrary Builder**

X

### **2.14.1. The sharedLibrary Method**

X

## **2.15. The SharedObject Builder**

X

### **2.15.1. The sharedObject Method**

X

## **2.16. The StaticLibrary Builder**

X

### **2.16.1. The staticLibrary Method**

X

## **2.17. The StaticObject Builder**

X

### **2.17.1. The staticObject Method**

X

# Chapter 3. Construction Variable Reference

## 3.1. AR

x

# Appendix A. Errors Generated by SCons

x

## A.1. X

x