

# **SCons Reference Manual 0.96.92**

**Steven Knight**

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by Steven Knight

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## **Chapter 1. Preface**

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## **Why sCons?**

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## **History**

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## **Conventions**

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## **Acknowledgements**

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## **Contact**

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## Chapter 2. Builder Reference

### The Alias Builder

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#### The Alias Method

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### The CFile Builder

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#### The CFile Method

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### The Command Builder

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#### The Command Method

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### The CXXFile Builder

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#### The CXXFile Method

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### The Install Builder

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#### The Install Method

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## The InstallAs Builder

X

### The InstallAs Method

X

## The Library Builder

### 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
```

### 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
```

### The Library Builder

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## The Object Builder

X



**The Object Method**

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**The PCH Builder**

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**The PCH Method**

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**The PDF Builder**

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**The PDF Method**

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**The PDF Builder**

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**The PostScript Method**

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**The Program Builder**

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**The Program Builder**

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**The RES Builder**

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**The RES Method**

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## **The SharedLibrary Builder**

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### **The SharedLibrary Method**

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## **The SharedObject Builder**

X

### **The sharedObject Method**

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## **The StaticLibrary Builder**

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### **The staticLibrary Method**

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## **The StaticObject Builder**

X

### **The staticObject Method**

X

## Chapter 3. Construction Variable Reference

AR

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## Appendix A. Errors Generated by sCons

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