

# **SCons Reference Manual 0.96.90**

**Steven Knight**

**SCons Reference Manual 0.96.90**  
by Steven Knight

Revision 0.96.90.D001 (2005/02/15 20:11:37) Edition  
Published 2003  
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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

X

### The CXXFile Method

X

### The Install Builder

X

### The Install Method

X

## 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**

X

**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**

X

**The SharedLibrary Builder**

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**The `SharedLibrary` Method**

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**The SharedObject Builder**

X

**The `sharedObject` Method**

X

**The StaticLibrary Builder**

X

**The `staticLibrary` Method**

X

**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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**X**

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*Appendix A. Errors Generated by SCons*