



# SCONS 4.5.1

Reference Manual

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# 1 Preface

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## 1.1. Why SCons?

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## 1.2. History

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## 1.3. Conventions

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# 2 Builder Reference

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## 2.3. The Command Builder

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## 2.5.1. The Install Method

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## 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**

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x

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# 3 Errors Generated by SCons

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x

## 3.1. X

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