

# **SCons Reference Manual 0.98.0**

**Steven Knight**

# **SCons Reference Manual 0.98.0**

by Steven Knight

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# **Chapter 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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## **1.4. Acknowledgements**

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## **1.5. Contact**

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# Chapter 2. Builder Reference

## 2.1. The Alias Builder

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## 2.2. The CFile Builder

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## 2.5. The Install Builder

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### 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

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## 2.8. The Object Builder

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### 2.8.1. The Object Method

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## 2.9. The PCH Builder

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### 2.9.1. The PCH Method

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## 2.10. The PDF Builder

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### 2.10.1. The PDF Method

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## 2.12. The Program Builder

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# Chapter 3. Construction Variable Reference

## 3.1. AR

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# Appendix A. Errors Generated by SCons

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