



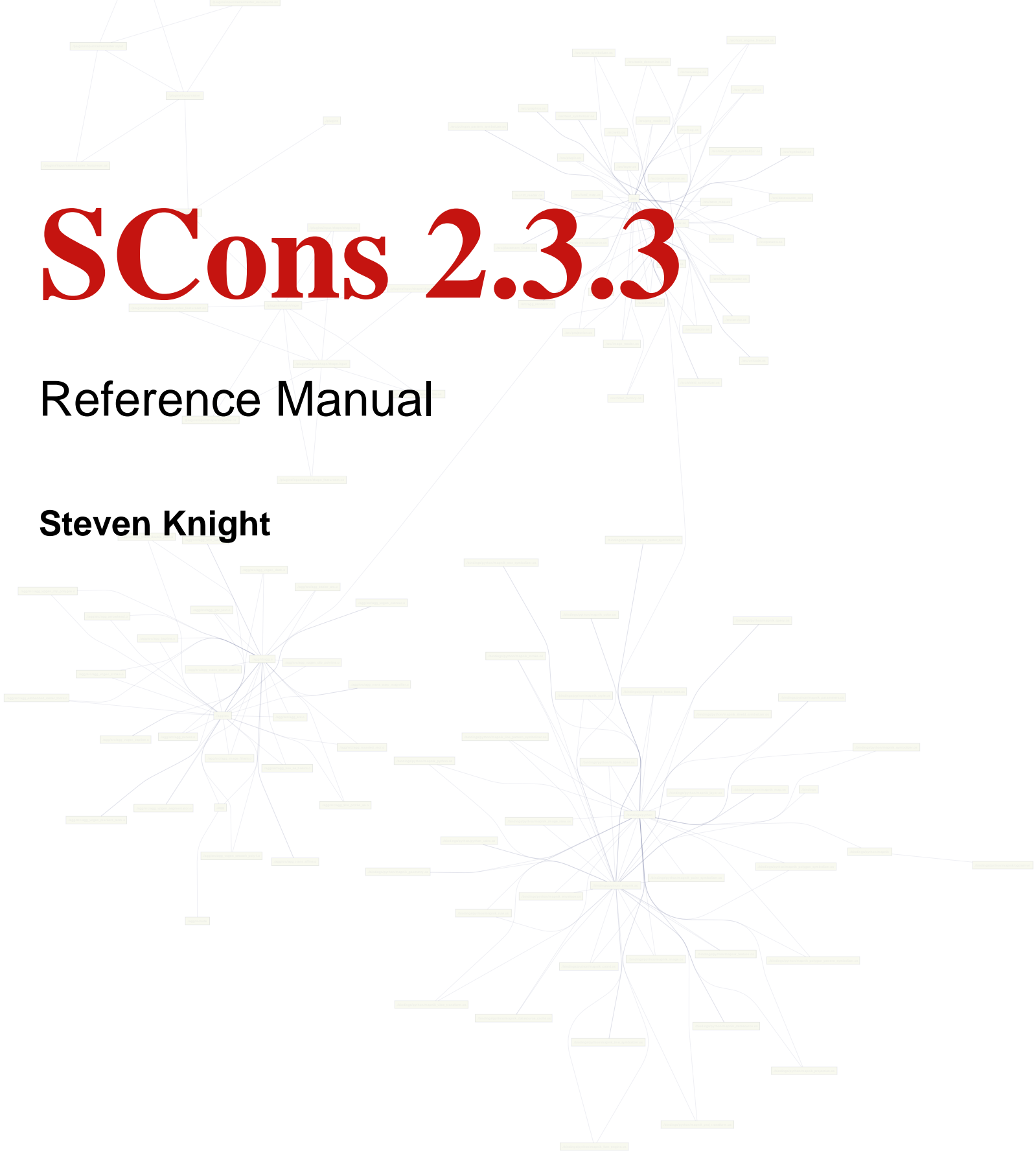
Build your software, better.



# SCONS 2.3.3

Reference Manual

Steven Knight



version 2.3.3  
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Publication date 2003

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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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## 1.4. Acknowledgements

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## 1.5. Contact

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# 2 Builder Reference

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## 2.1. The Alias Builder

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### 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**

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### **2.9.1. The PCH Method**

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## **2.10. The PDF Builder**

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## **2.11. The PDF Builder**

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## **2.13. The RES Builder**

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### **2.13.1. The RES Method**

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## **2.14. The SharedLibrary Builder**

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

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## **2.15. The SharedObject Builder**

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

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## **2.16. The StaticLibrary Builder**

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

x

## **2.17. The StaticObject Builder**

x

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

x



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# 3 Errors Generated by SCons

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x

## 3.1. X

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