



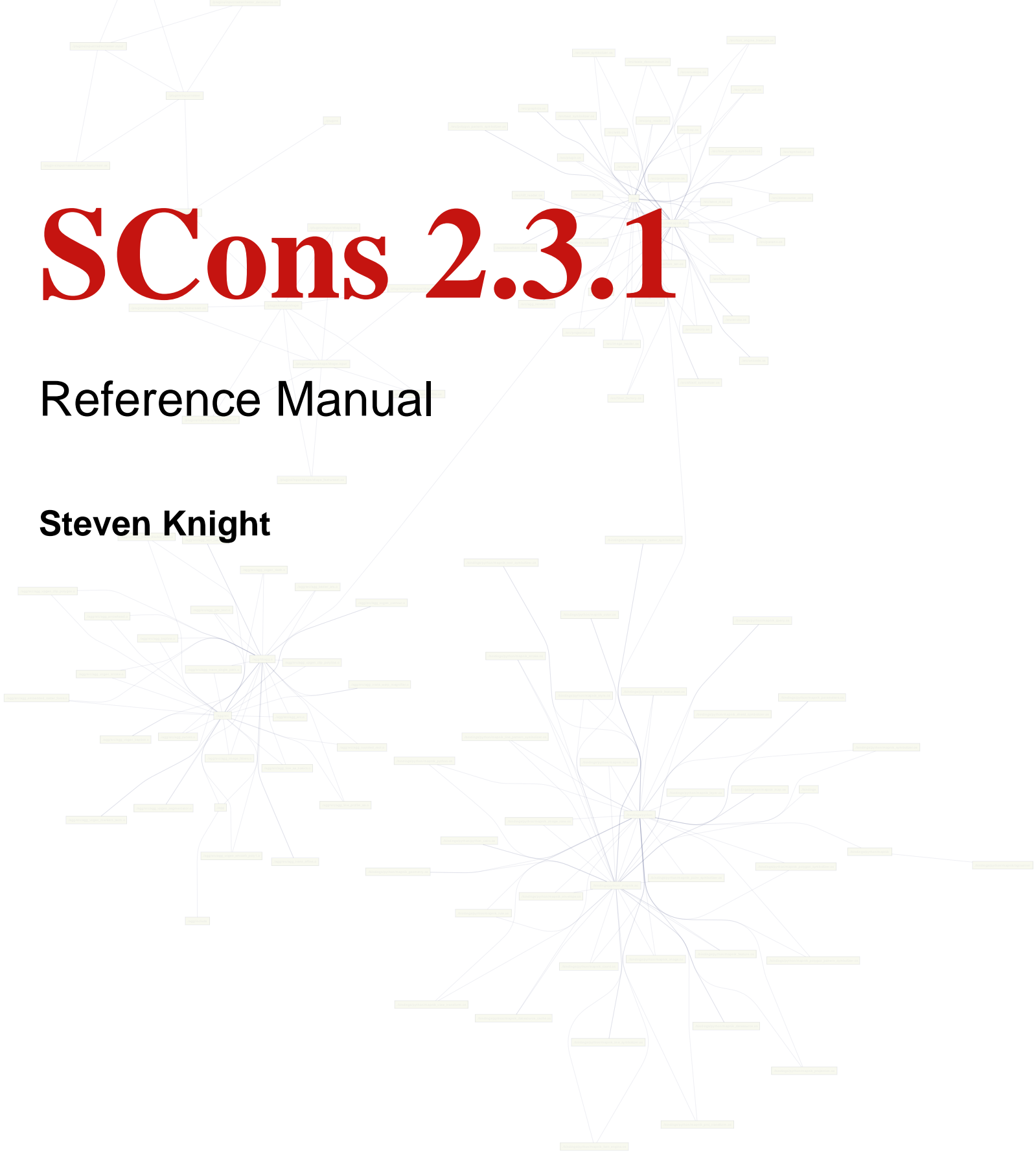
Build your software, better.



SCONS 2.3.1

Reference Manual

Steven Knight



version 2.3.1
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1 Preface

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1. Why SCons?

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2. History

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3. Conventions

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4. Acknowledgements

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5. Contact

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2 Builder Reference

1. The Alias Builder

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1.1. The Alias Method

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2. The CFile Builder

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2.1. The CFile Method

x

3. The Command Builder

x

3.1. The Command Method

x

4. The CXXFile Builder

x

4.1. The CXXFile Method

x

5. The Install Builder

x

5.1. The Install Method

X

6. The InstallAs Builder

X

6.1. The InstallAs Method

X

7. The Library Builder

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
```

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
```

7.3. The Library Builder

X

8. The Object Builder

X

8.1. The Object Method

X

9. The PCH Builder

X

9.1. The PCH Method

X

10. The PDF Builder

X

10.1. The PDF Method

X

11. The PDF Builder

X

11.1. The PostScript Method

X

12. The Program Builder

X

12.1. The Program Builder

X

13. The RES Builder

X

13.1. The RES Method

X

14. The SharedLibrary Builder

x

14.1. The SharedLibrary Method

x

15. The SharedObject Builder

x

15.1. The sharedObject Method

x

16. The StaticLibrary Builder

x

16.1. The StaticLibrary Method

x

17. The StaticObject Builder

x

17.1. The StaticObject Method

x

3 Errors Generated by SCons

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1. X

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