



# SCONS 2.3.4

## 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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## **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

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## 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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### **2.10.1. The PDF Method**

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## **2.11. The PDF Builder**

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### **2.11.1. The PostScript Method**

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## **2.12. The Program 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**

X

### **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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