Contents

Getting Started 1

Creating a new COM component 1
- Step by step instructions 1
- First look at the generated code 2
- implementing the component 2
- Tips 2

Accessing a component 3
- Step by step instructions 3
- First look at the generated code 3
- Implementing a client 4
- Contracts 4
- Summary 4

The Component Object Model 5

OVERVIEW 5
GENERALITIES 5
- Interfaces 5
- Coclass 6
- Class Object 6

TYPES OF COMPONENTS 7
- Location 7
- Access Type 8

DEEPER INTO COM 10
- Apartments 10
- Marshalling 11
- Summary 12

The EiffelCOM Wizard 13

OVERVIEW 13
THE WIZARD 14
- Main Window 14

Required File 16
Introduction Dialog 16
Definition File Dialog 17
IDL Marshalling Definition Dialog 17
Type Library Marshalling Definition Dialog 18
Final Dialog 20
Definition File Processing 20
Generated Files 21
Class Hierarchy 22
ACCESSING A COMPONENT 23
Using the Generated Code 23
Contracts 23
Exceptions 25
Summary 27
BUILDING A COMPONENT 27
Using the Generated Code 28
Component's GUI 28
Exceptions 29
Summary 30

The EiffelCOM Library 31

Compound Files 31
Storages 31
Streams 32
Other classes 34
Summary 34