INCREMENTAL SOFTWARE ARCHITECTURE

A METHOD FOR SAVING FAILING IT IMPLEMENTATIONS

Michael Bell

WILEY
CONTENTS

ACKNOWLEDGMENTS  ix
ABOUT THE AUTHOR  xi

CHAPTER  1  The Need for Incremental Software Architecture  1

PART ONE—Why Do Enterprise Systems Fail?  11

CHAPTER  3  Technological System-Level Failures  23

PART TWO—End-State Architecture Discovery and Analysis  35

CHAPTER  4  System Fabric Discovery and Analysis  39
CHAPTER  5  Application Discovery  55
CHAPTER  6  Application Mapping  67

PART THREE—End-State Architecture Decomposition  83

CHAPTER  7  End-State Architecture Structural Decomposition through Classification  85
CHAPTER  8  Business Analysis Drives End-State Architecture Structural Decomposition  103
CHAPTER  9  Technical Analysis Drives End-State Architecture Structural Decomposition  119
CHAPTER  10  Business Views Drive End-State Architecture Decomposition  145
CHAPTER  11  Environment Behavior Drives End-State Architecture Decomposition  161
PART FOUR—End-State Architecture Verification 179

CHAPTER 12 Design Substantiation 181

CHAPTER 13 Introduction to End-State Architecture Stress Testing 197

CHAPTER 14 End-State Architecture Stress Testing Driven by Pressure Points 223

CHAPTER 15 Enterprise Capacity Planning for End-State Architecture 235

INDEX 253