

# Contents

<b>Foreword</b>	<b>xxi</b>
<b>Preface</b>	<b>xxiii</b>
<b>Chapter 1 Introduction And Overview</b>	<b>1</b>
1.1 Use Of TCP/IP	1
1.2 Designing Applications For A Distributed Environment	2
1.3 Standard And Nonstandard Application Protocols	2
1.4 An Example Of Standard Application Protocol Use	2
1.5 An Example Connection	3
1.6 Using TELNET To Access An Alternative Service	4
1.7 Application Protocols And Software Flexibility	5
1.8 Viewing Services From The Provider's Perspective	6
1.9 The Remainder Of The Text	7
1.10 Summary	7
<b>Chapter 2 The Client Server Model And Software Design</b>	<b>9</b>
2.1 Introduction	9
2.2 Motivation	10
2.3 Terminology And Concepts	10
2.3.1 Clients And Servers	10
2.3.2 Privilege And Complexity	11
2.3.3 Standard Vs. Nonstandard Client Software	11
2.3.4 Parameterization Of Clients	12
2.3.5 Connectionless Vs. Connection-Oriented Servers	13
2.3.6 Stateless Vs. Stateful Servers	14
2.3.7 A Stateful File Server Example	14