

**Course 1298: Mastering Distributed Application Design and Development Using Microsoft
Visual Studio 6.0
Three Days Instructor Led or E-Learning**

Chapter 1: Defining Distributed Applications

Business today
Evolution of applications
Introduction to distributed applications
Terminology and concepts

Chapter 2: Exploring a Sample Application

Introduction to the Exploration Air application
Exploration Air application design documents

Chapter 3: Microsoft Windows Operating System Fundamentals

Overview of Windows NT platform services
Component object model (COM)
Microsoft Transaction Server (MTS)
Microsoft Internet Information Server (IIS)
Microsoft Message Queue Server (MSMQ)
Microsoft SQL Server™

Chapter 4: Understanding the Design Steps

Overview of the design steps
Analyzing the business requirements
Defining the application architecture
Designing the solution

Chapter 5: Implementing the Data Tier

Overview of data design
Logical data model
Physical data model
Data access strategies

Chapter 6: Building the Components

Basics of component building
COM components
Component design considerations
Visual Studio component creation tools
Comparing the language tools
Creating the FrequentFlyer component

**Course 1298: Mastering Distributed Application Design and Development Using Microsoft
Visual Studio 6.0
Three Days Instructor Led or E-Learning**

Chapter 7: Implementing the Business Tier

Business component design issues
Building components for MTS
Deploying an MTS component

Chapter 8: Implementing the Presentation Tier

Presentation considerations
Hypertext markup language (HTML)
Dynamic HTML (DHTML)
Using active server pages (ASP)
Microsoft Visual InterDev™ Web development system version 6.0
Microsoft Win32®-based applications
Deployment of the presentation tier
Selecting a presentation tier technology

Chapter 9: Design Considerations

Core requirements of enterprise applications
Challenges of distributed applications
Analyzing application performance

Chapter 10: Where to Go From Here

What you've learned
Exploration Air in the future
Training and resources
Exam 70-100: Study Guide