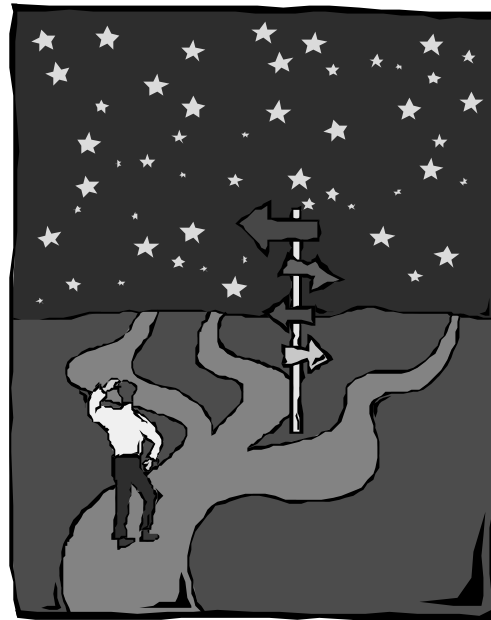




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Tutorial on Web Services



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 - Microsoft .NET framework and ASP.NET
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Section 1: Overview

- ✍ “Looking Back ...”
- ✍ What are Web Services?
- ✍ Distributed Web applications



Looking Back ...

- ✍ Traditional distributed computing
 - Client/server model
 - Distributed object model
 - ✍ Components: packaging and interoperability
 - ✍ Remoting: remote method invocation
 - ✍ COM, CORBA, Java RMI and EJB
- ✍ Microsoft Windows DNA
 - Distributed interNet Application Architecture
 - DHTML, COM, ASP, Message Queuing
- ✍ J2EE (Java 2 Enterprise Edition)
 - RMI, JAXM, JAX-RPC, JAXR, ..., EJB



What's Wrong with That?

- ✍ Distributed object models don't scale to the Internet
 - Tightly coupling service and consumer
 - ✍ Need for homogeneous infrastructure
 - ✍ Versioning problems
- ✍ Limited COM support on non-Windows platforms
- ✍ CORBA is a remoting architecture
 - CORBA Component Model
 - Server object implementation not portable
- ✍ EJB—Enterprise JavaBeans
- ✍ The purely interactive Web

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