IN-HOUSE COURSE

on

Application Service Providers

Current Market Status, Technologies, and Future Trends

Description and Objective

The objective of this course is to provide an in-depth survey of technologies, systems, and Internet architectures for Application Service Providers. The first wave of Internet-based business included Internet Service Providers (ISPs) that linked business and consumers via the Internet. We are presently at the verge of the second, much large wave – Application Service Providers (ASPs), which lease software applications to businesses and consumers via the Internet. In this course we introduce components of the ASP model and discuss new multi-tier Internet architectures for ASPs. We will present key technologies that enabled the ASP model, including advances in networking technologies, Internet deliverable software, and improvements in distributed systems management software. We will then discuss types of ASP applications, from personal and collaborative to E-commerce, vertical, and analytical applications and present the ASP software is created. We will complete the tutorial introducing leading ASP companies and their products and services.

Duration : *Half day (4 hours) for executives and strategists*
Two days (12 hours) for managers, application programmers and designers

Target Audience

This course is intended for end users including IT directors and strategists, IT and communication managers, network managers, vendors and potential users of ASP products and services, and application programmers who are interested in receiving in-depth knowledge on current trends in Application Service Providers.

Course Outline

1. From Internet Service Providers to Application Service Providers
2. ASP Model
3. Types of ASP Applications
4. Key ASP Market Trends
5. Key Technologies that Enabled ASP Model
6. Driving Trends in ASP
7. ASP Implementations
8. ASP Standards (CORBA, JavaBeans, JDBC, Active-X, Java servlets)
9. ASP Internet Architectures
10. Application Server Technologies
11. Current and Future Trends - Survey Results of the ASP Expert Panel
12. Profiles of ASP Companies and Their Products and Services
13. Final Analysis and Strategies for Success

Course Material

1. Class notes including copies of all transparences
2. Key articles on ASPs

Instructor: **Borko Furht, Professor of Computer Science and Engineering**
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Borko Furht is an internationally respected authority on communication systems, Internet computing, and multimedia. He is currently a professor of computer science and engineering at Florida Atlantic University (FAU) in Boca Raton, Florida. He is the founder and director of the Multimedia Laboratory at FAU, funded by National Science Foundation. Before joining FAU, he was a vice president of research and a senior director of development at Modcomp, a computer company of Daimler Benz, Germany, and a professor at University of Miami in Coral Gables, Florida.

Dr. Furht is currently completing a Research Report on ***"Future of Application Services Providers"*** for International Engineering Consortium in Chicago, which will be disseminated to Fortune 500 companies. He is at the Advisory Board of CyLex Systems, one of the founding members of the ASP Forum. He has published several articles and a book chapter on ASPs.

Dr. Furht has published numerous scientific and technical papers, 16 books and holds 2 patents. He is a founder and editor-in-chief of the *Journal of Multimedia Tools and Applications* (Kluwer Academic Publishers). Recently, he was editor-in-chief of the following handbooks – Handbook of Internet Computing (2000), Handbook of Multimedia Computing (1999), and Handbook of Internet and Multimedia Systems and Applications (1999), published by CRC Press. He has received several technical and publishing awards, and has consulted for many high-tech companies including IBM, Hewlett-Packard, Xerox, General Electric, JPL, NASA, Honeywell, and RCA.

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