



IBM Embedded ViaVoice™ Enterprise/Multiplatform Edition (Native API Version) SDK Training Class

IBM Embedded ViaVoice, Enterprise/Multiplatform Edition, is a Software Developers Kit (SDK) for complex, larger vocabulary devices with applications needing high accuracy Command & Control (C&C) and Text-To-Speech (TTS). The Enterprise/Multiplatform Edition requires a minimum of 50 MIPS of real-time processing up to 200 MIPS, with dependencies including the size of the vocabulary. For this environment IBM offers the IBM Embedded ViaVoice, Multiplatform Edition SDK Training Class.

This intensive “hands-on” training course is designed for people using the IBM Embedded ViaVoice, Enterprise/Multiplatform Edition. The objectives of this course are to:

- Provide a basic understanding of embedded speech
- Provide an overview of how to use the IBM Embedded ViaVoice, Enterprise/Multiplatform Edition, native APIs and Tools

AGENDA

DAY 1

- Introduction to IBM Embedded ViaVoice, Enterprise/Multiplatform Edition
- Definition of Speech Terms and Components
- Embedded ViaVoice Tools
- Embedded ViaVoice Architecture
- TTS Libraries and API Overview
- Lab - Basic Build Considerations, TTS

DAY 2

- Embedded Audio Layer
 - Overview and Terminology
 - Libraries and Headers
 - Usage and Devices
 - API Overview including AOP (Automatic Audio Optimizer) and volume maps

DAY 3

- Data Management Tools
- Vocabularies - Defining and Tools
- Embedded Logging Utilities
- Lab - Writing and compiling a vocabulary

DAY 4

- Embedded Speech Recognition
 - Requirements and Features
 - Libraries and Headers
 - API Overview including recognition and acoustic baseform service
- VOC - Unlimited and Dynamic Vocabulary Generation
- Lab - Develop Recognition Application



DAY 5

- Sample Application Walk Through
- Complete Labs
- Summary
- Discussion/Questions

PREREQUISITES

- Familiarity with command line input, definition files, and batch files.
- Proficiency in C programming. This class assumes that the student has significant hands-on programming experience, including an understanding of how to implement the following concepts:
 - Pointers and dynamic memory allocation
 - Structures
 - Callbacks and pointers to functions
 - Asynchronous programming techniques
- Familiarity with Visual C++
 - Creating new projects
 - Using the debugger
- Ability to navigate Windows NT
- Company must have purchased at least 1 SDK.
- Attendees may be required to sign a confidentiality agreement.

Important: Class does not include an SDK; an SDK is available for a fee.

1H 2003 CLASS SCHEDULES*

02/24 - 02/28 Boca Raton, FL

04/21 - 04/25 Boca Raton, FL

06/16 - 06/20 Boca Raton, FL

* Schedules and locations are subject to change without notice.

REGISTRATION AND CLASS PRICE

To register, contact IBM at VoiceClientSystems@us.ibm.com. On-site classes can also be scheduled. A JAVA API version is available; contact IBM at the above e-mail address.

Class price is \$3200 (USD) for training class only. All travel, lodging, meals, and miscellaneous expenses are the responsibility of the attendee.

CANCELLATION POLICY

If payment is made prior to class start date and cancellation of the class becomes necessary, payment will be credited to a future regularly scheduled class.

