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Date:	01/20/97 02:45:21 PM
Subject:	Microsoft and Java Beans

Note: the information in this note was received under an NDA which prohibits disclosure to non-Lotus employees of IBM. I'm not sure if those restrictions extend to IBM employees working at Lotus: please check with John Manopoli before disclosing to anyone other than a Lotus employee.

On Thursday and Friday. Bob Congon. Scott Boal and I attended a Java Design Preview at Microsoft. A complete summary will follow. but the news regarding Java Beans and ActiveX is so significant that I am highlighting it in this separate note.

Microsoft disclosed that they are supporting Java Beans, not just as a checkbox item, but as the core component model for Microsoft Java. This is tremendously important to the direction of the components industry, and for our Java products specifically. For the first time. we have a universal component technology, whereby the components we write will run everywhere. including Windows. Furthermore. Microsoft will not .I presume. be disparaging our adoption of a technology which they themselves are supporting. To give you a sense of their commitment. Microsoft's own Java class libraries are based on the Beans and awt api's.

Though Sun has always promised to bridge beans to ActiveX. Microsoft is now ensuring that the required support will be first class and that it will be integrated with the OS. Our beans will automatically become ActiveX components in containers such as IE. VB and the Windows shell. ActiveX components written in any language will be appear to Java as beans. Furthermore. our Beans will interoperate with those built from Microsoft's Java libraries and tools. Production code is promised for IE 4.0 this summer. and in the Memphis update to Win95 later in the year. We're on the beta lists.

EXHIBIT NO. 3