



## 1.0 LE/VSE makes it possible!

Get ready for the Year 2000 with services that process 2-digit years, without recoding, now and in the next century.

Mix calls to C, COBOL, PL/I, and High Level Assembler (HLASM) routines in the same application within one run-time environment.

Control the storage your C, COBOL, and PL/I routines use at run time with a common storage manager.

Debug your applications interactively.

Customize your routines to meet national language requirements.

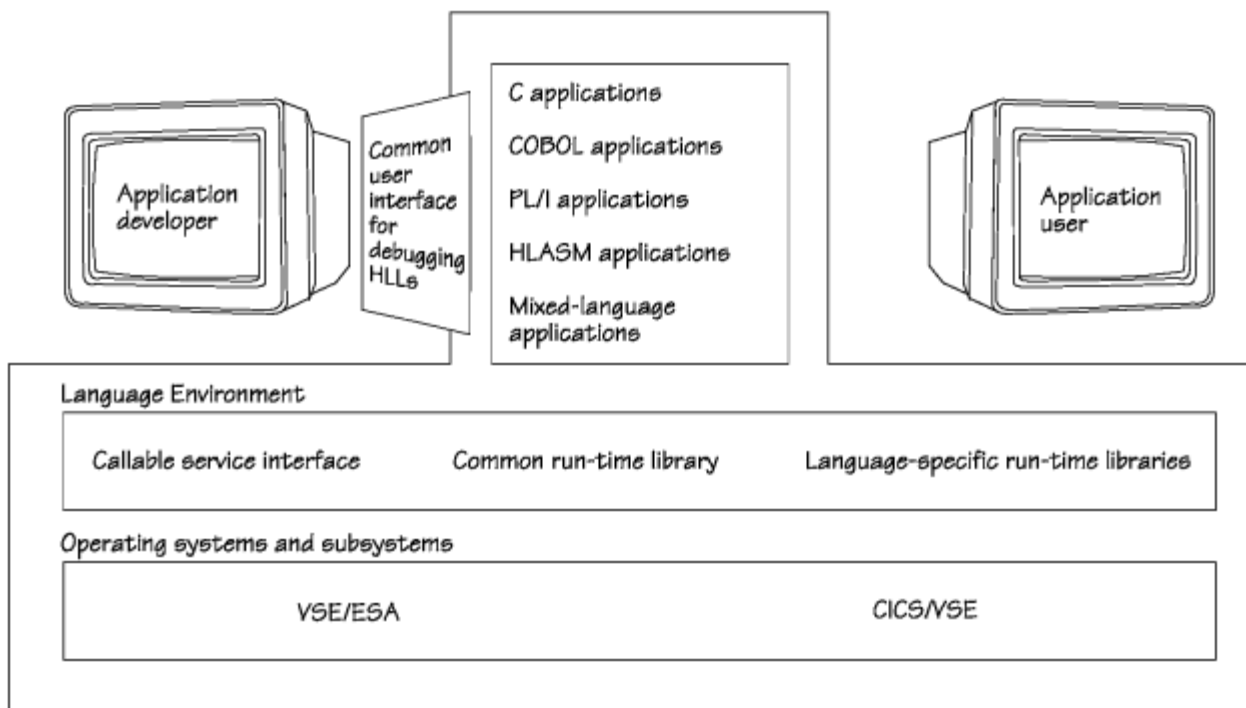


Figure 1. Application development and run-time environments

IBM Language Environment for VSE/ESA (LE/VSE) provides common services and language-specific routines in a single run-time environment. It enables consistent and predictable results for your language applications, independent of the LE/VSE-conforming language they are written in.

LE/VSE is the prerequisite run-time environment for applications generated with the following IBM language compilers:

- IBM C for VSE/ESA (C/VSE)
- IBM COBOL for VSE/ESA (COBOL/VSE)
- IBM PL/I for VSE/ESA (PL/I VSE)

High Level Assembler routines can also run with LE/VSE. LE/VSE supports Debug Tool for VSE/ESA for debugging applications written in any LE/VSE-conforming high-level language.

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# FRONT

The classic IBM logo, consisting of the letters 'IBM' in a bold, sans-serif font with horizontal stripes.

*A common run-time environment  
for your language applications*

# Language Environment for VSE/ESA

Release 4

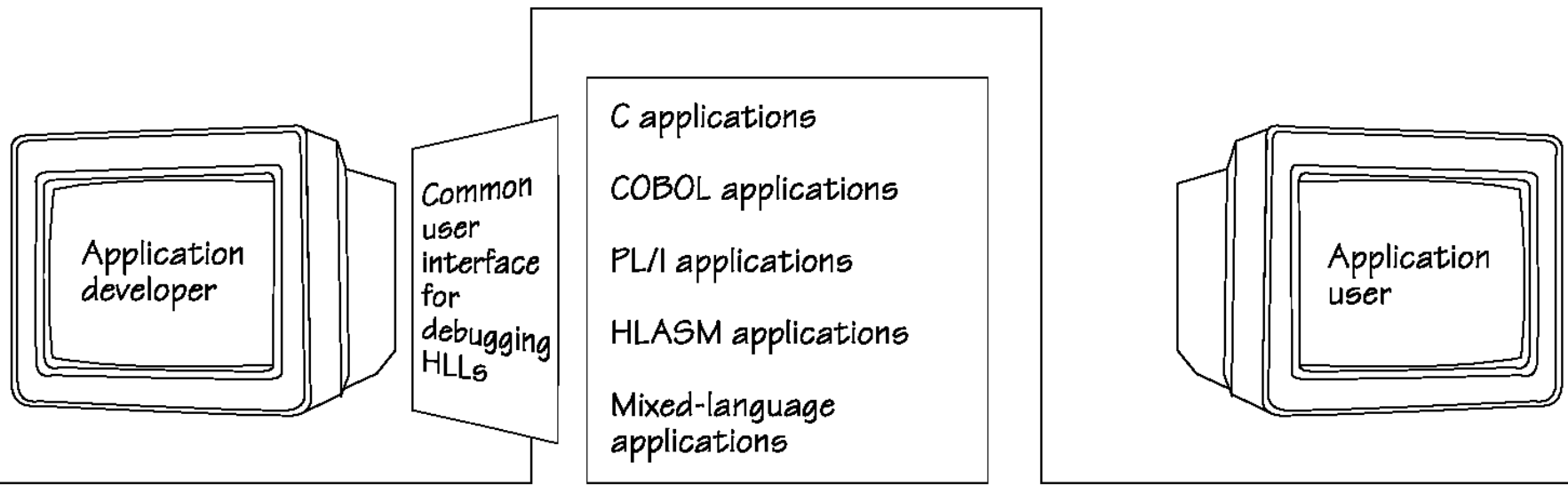
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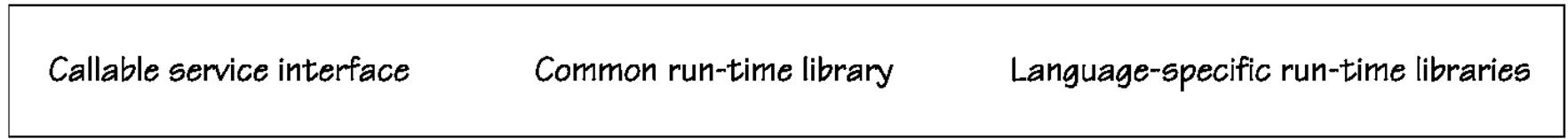
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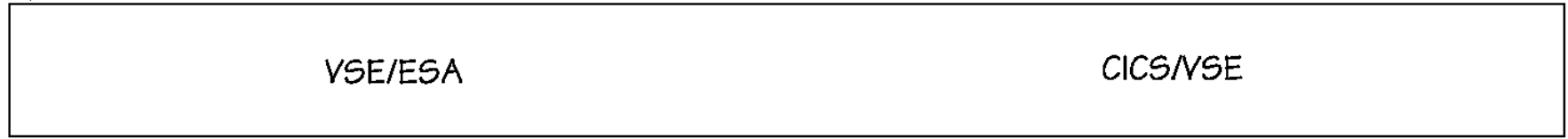
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**Language Environment**



**Operating systems and subsystems**



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