



IBM System z

z/VSE Application Development Modernization

Live Demo of IBM WebSphere Developer for System z (WDz)

Ingo Franzki
Wilhelm Mild
zvse@de.ibm.com



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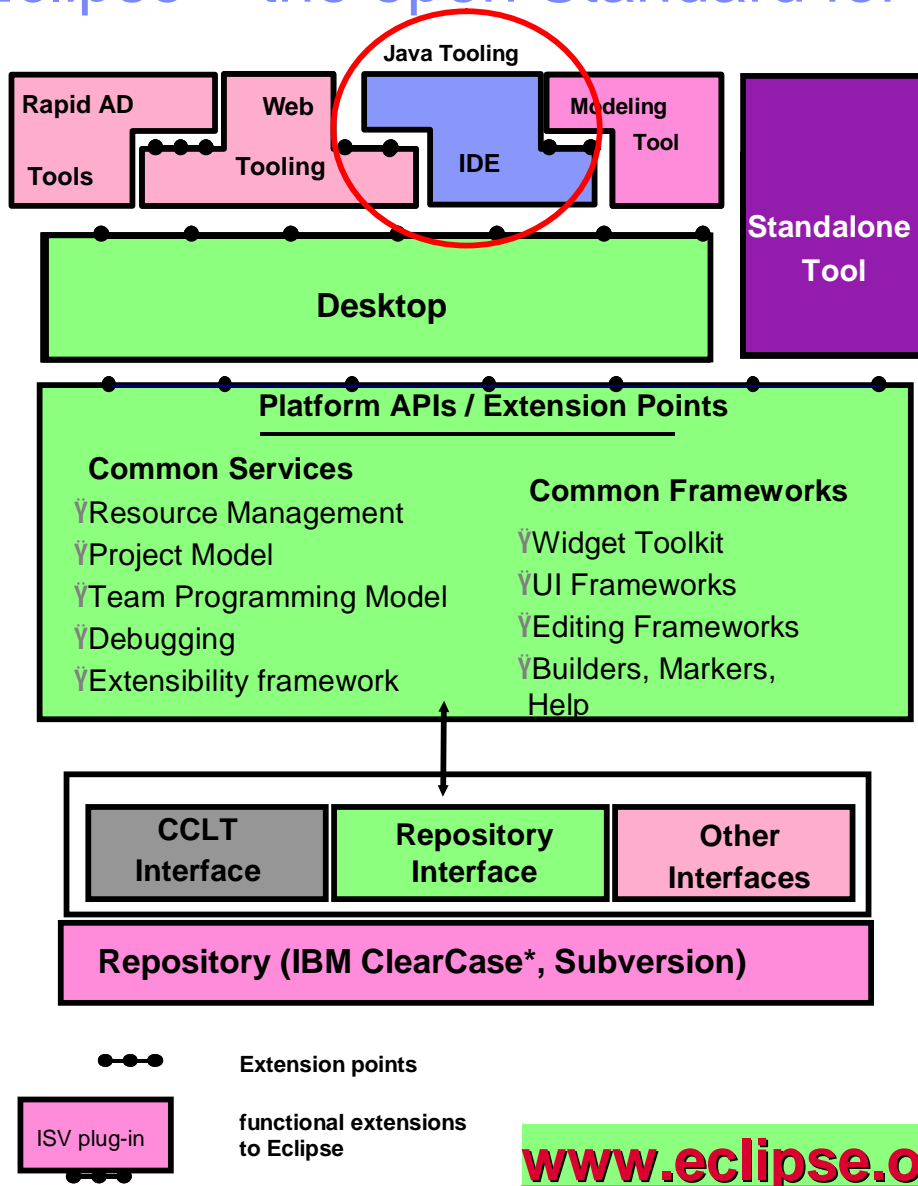
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Eclipse – the open Standard for application development

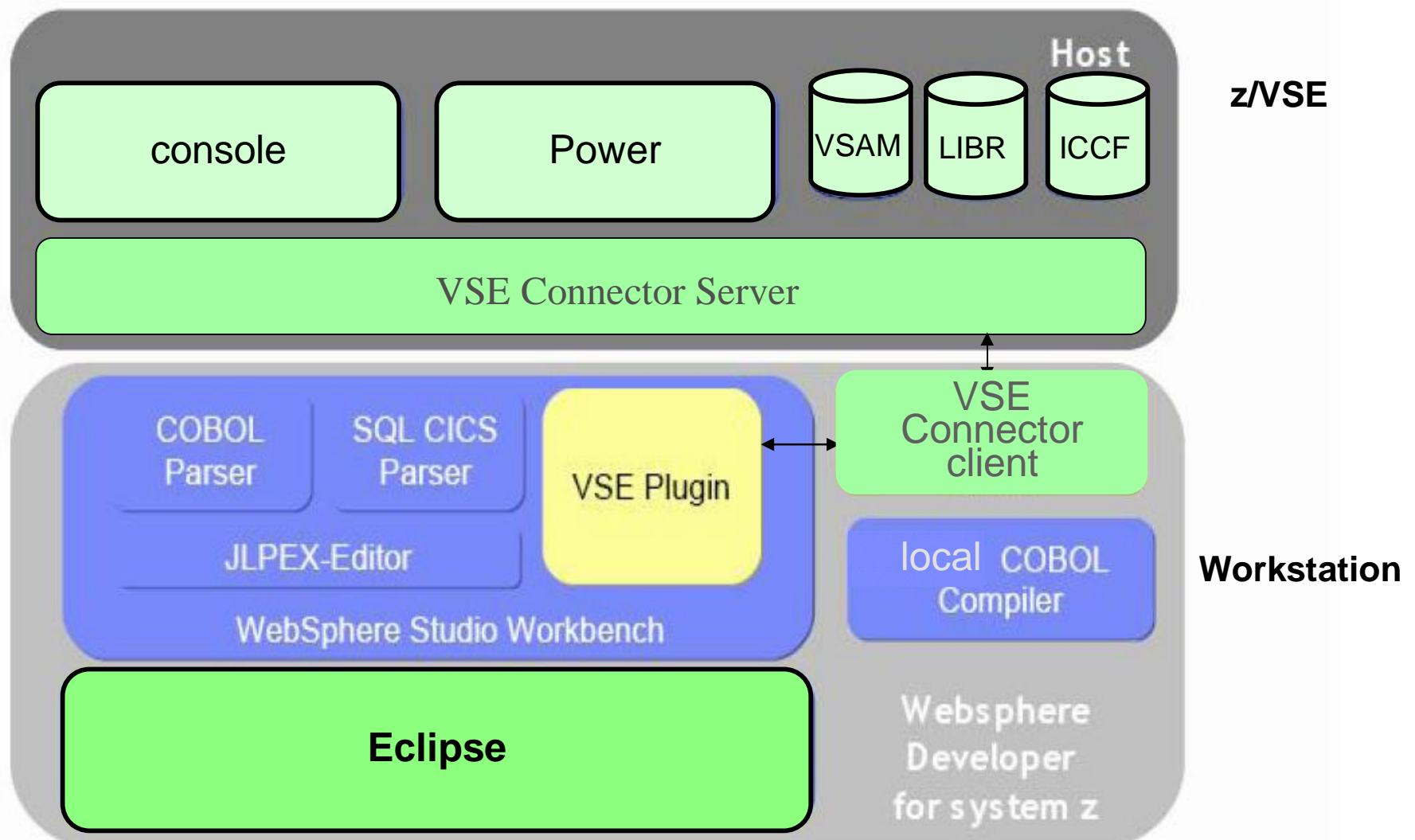


www.eclipse.org

What is Eclipse about:

- § **Open source development framework**
 - with modern Editors
 - syntax help & check
 - semantic check
- § **Centralized source code maintenance**
 - entire source code in central Repository
 - cross platform project administration
- § **Versioning software interface**
 - CVS, Subversion, or IBM ClearCase
 - automatic Workgroup-control
 - i.e. development groups, system group
- § **Open for ISVs development Plug-Ins**
 - **Integrated Development Environments (IDE)**
 - for System z (WDz, RDz)
 - for Java, COBOL, PL/I, ASM,C
 - **Application analysis and optimization**
 - Analyze the applications and workflows with graphical correlations
 - **IBM HATS Development Plug-In (LVC xxx)**
 - develop new front-ends to 3270 apps.
 - **IBM EGL development Plug-In for z/VSE**
 - follow-on to Visual Age Generator

IBM WebSphere Developer for System z (WDz) with z/VSE Development Plug-in



IBM WebSphere Developer (WDz) in z/VSE perspective

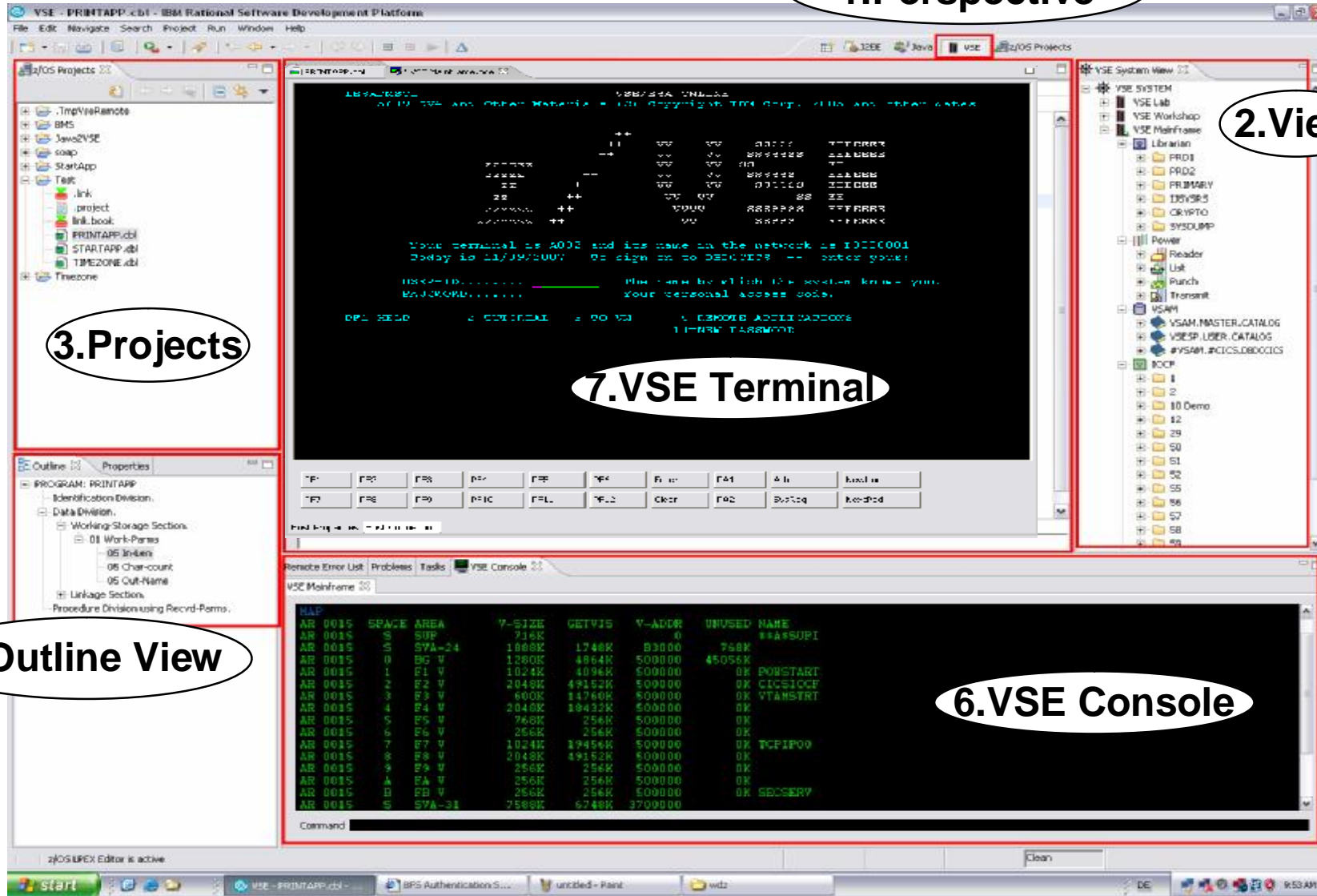
The screenshot shows the IBM WebSphere Developer (WDz) interface in z/VSE perspective. The interface is divided into several panes:

- 1. Perspective:** The overall view of the development environment.
- 2. View:** The VSE System View on the right, showing a tree structure of system components like VSE SYSTEM, VSE Lab, VSE Workshop, and VSE Mainframe.
- 3. Projects:** The z/OS Projects view on the left, showing a tree structure of projects like .TmpVsePancbe, BMS, Java2VSE, soap, StartApp, Test, .link, .project, .link.boot, PRINTAPP.cbl, STARTAPP.cbl, TIMEZONE.cbl, and Timezone.
- 4. Editor:** The central editor window showing the source code for PRINTAPP.cbl. The code includes sections for Identification Division, Data Division, Working-Storage Section, Linkage Section, and Procedure Division using Record-Parms.
- 5. Outline View:** The Outline view at the bottom left, showing a hierarchical view of the program structure, including PROGRAM: PRINTAPP, Identification Division, Data Division, Working-Storage Section, Linkage Section, and Procedure Division using Record-Parms.
- 6. VSE Console:** The VSE Console at the bottom right, displaying a table of memory usage information.

MAP	AR	0015	SPACE	AREA	V-SIZE	GETVIS	V-ADDR	UNUSED	NAME
	AR	0015	S	SHP	716K		0		***SUPI
	AR	0015	S	SWA-24	1888K	1748K	B3000	758K	
	AR	0015	0	BC V	1280K	4864K	500000	45056K	
	AR	0015	1	F1 V	1024K	4096K	500000	0K	POWSTART
	AR	0015	2	F2 V	2048K	49152K	500000	0K	CICSIOCF
	AR	0015	3	F3 V	600K	14760K	500000	0K	VTANSTRT
	AR	0015	4	F4 V	2048K	18432K	500000	0K	
	AR	0015	5	F5 V	768K	256K	500000	0K	
	AR	0015	6	F6 V	256K	256K	500000	0K	
	AR	0015	7	F7 V	1024K	19456K	500000	0K	TCPIP00
	AR	0015	8	F8 V	2048K	49152K	500000	0K	
	AR	0015	9	F9 V	256K	256K	500000	0K	
	AR	0015	A	FA V	256K	256K	500000	0K	
	AR	0015	B	FB V	256K	256K	500000	0K	
	AR	0015	9	SWA-31	7500K	6748K	3700000		SEGSERV

IBM WebSphere Developer (WDz) in z/VSE perspective

1. Perspective



Conclusion: Development for all platforms with one tool set

§ **A modern tool set to support z/VSE development and maintenance**

- modern editor for enhanced productivity
- tools to analyze and optimize existent applications and workflow

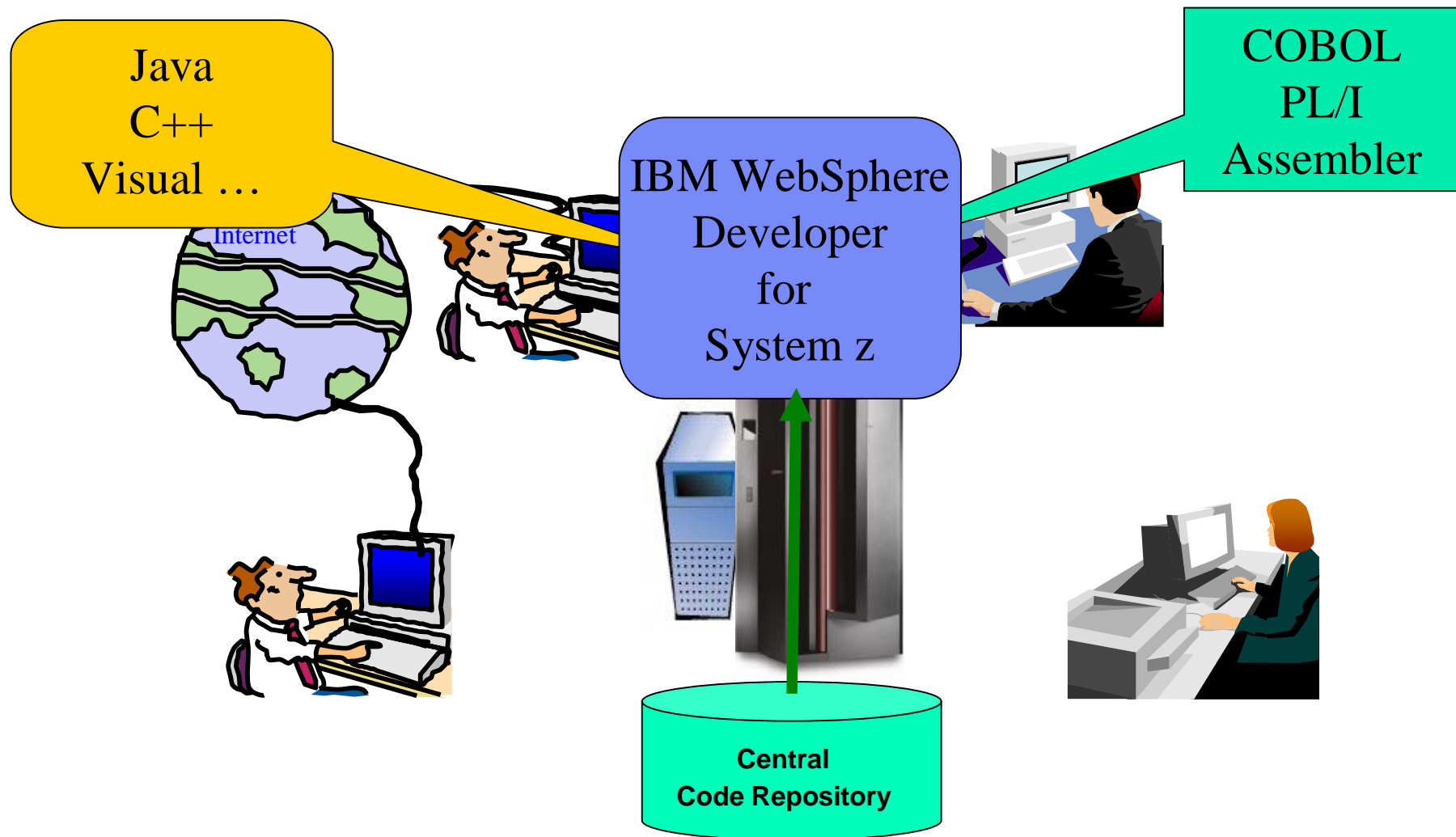
§ **Common framework for enterprise development**

- standard for all developers
- example: z/VSE with COBOL, Linux on System z with Java
- easy skill transfer

§ **Open source framework**

- commonly thought in schools and universities
- smooth introduction of new developers to the mainframe

Eclipse – an open Integrated Development Environment for the enterprise



Questions ?

