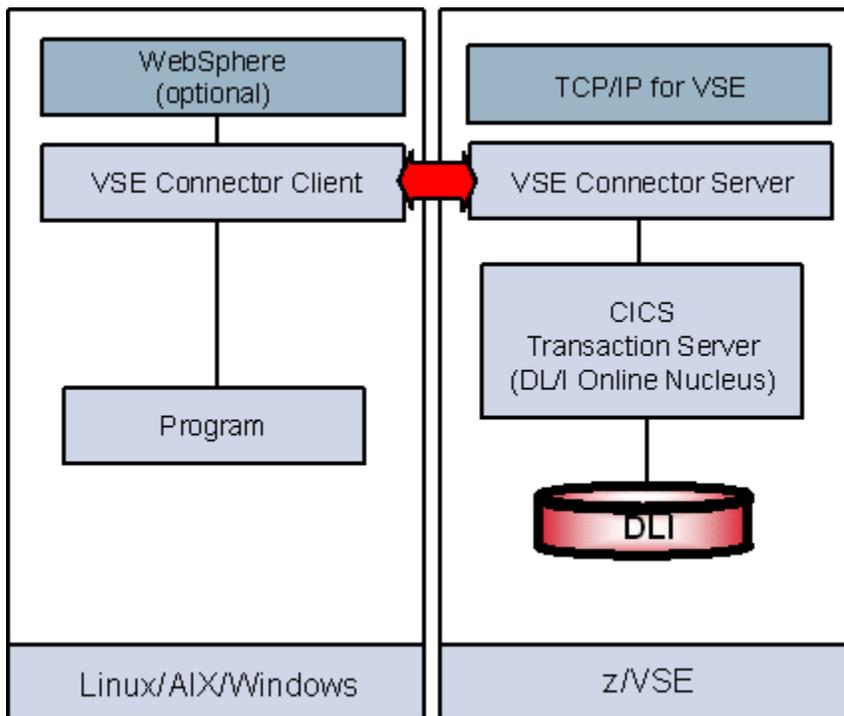# Access DL/I data from remote systems

Core applications and processes based on DL/I databases with the requirement of integration of these applications in heterogeneous processes can now take advantage of modern functions implemented in z/VSE.

Overview

WebSphere (optional)

VSE Connector Client

Program

Linux/AIX/Windows

TCP/IP for VSE

VSE Connector Server

CICS Transaction Server (DL/I Online Nucleus)

DLI

z/VSE

To have real time access to DL/I data from a remote platform, the z/VSE Java-based Connector, part of the z/VSE e-business Connectors was developed to solve this business need. It is built of 2 components:

- The z/VSE Connector Server: A batch program running on z/VSE in a static or dynamic partition. A plug-in for this Connector Server is designed to work with DL/I.
- The z/VSE Connector client: A Java component running on every Java enabled platform i.e. Linux, UNIX, Windows. This component is delivered with the z/VSE operating system or can be downloaded for free from internet.

Access to the DL/I is done through the DL/I online nucleus via MPS. The z/VSE connector client contains interfaces to interact via PSB and corresponding PCB with the DL/I subsystem and data.

Real time Access to DL/I data:

- from standalone applications
- from web applications (e.g. using WebSphere)
- from Servlets, JSPs, EJBs, Applets

On the remote side the z/VSE Connector Client provides a program interface which can be exploited by any kind of program or web application. All kinds of DL/I requests can be performed, including CHECKPOINT and ROLLBACK.

Benefits

Real time access to DL/I data from a remote system allows the integration of DL/I data into distributed processes and web transactions.

Software requirements

The following software requirements must be met to implement this solution:

- VSE/ESA 2.5 or later
- [TCP/IP for VSE/ESA](#)
- z/VSE Connector Server running on z/VSE
- [DL/I 1.11or later](#)
- APAR PQ39683 for DL/I must be applied
- Your CICS/DLI system should have all PSBs defined in the DL/I online nucleus DLZNUCxx and it should have an active MPS system.
- Linux, Windows, AIX, Unix on remote system
- [Java runtime (JRE) or Java developer kit (JDK) 1.3 or later](#)
- [z/VSE Connector Client](#) installed on remote system

Note: WebSphere is NOT required to run the z/VSE Java-based connector. However, the connector can be deployed into WebSphere as an Resource Adapter if you wish to access VSAM from a web application.

How to get started

To get started, following Steps need to be done:

- Start z/VSE connector server on z/VSE (release STARTVCS from the reader queue or create it from ICCF library 59, skeleton SKVCSSTJ).

- Make sure a Java runtime (JRE) or Java developer kit (JDK) 1.3 or later is installed on you distributed platform.
- Download and install the z/VSE Connector Client to your PC or workstation.
- Develop a program that uses the PSBs and PCBs to access the data you'd like to have access to.

Note: The z/VSE connector client contains descriptions and samples for accessing DL/I data.

Additional information
Additional information for this solution scenario can be found:

- z/VSE e-business connectors User's Guide
- z/VSE Connector Client
- DL/I documentation

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Comments and Questions

Comments or questions on this documentation are welcome. Please send your comments to:
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