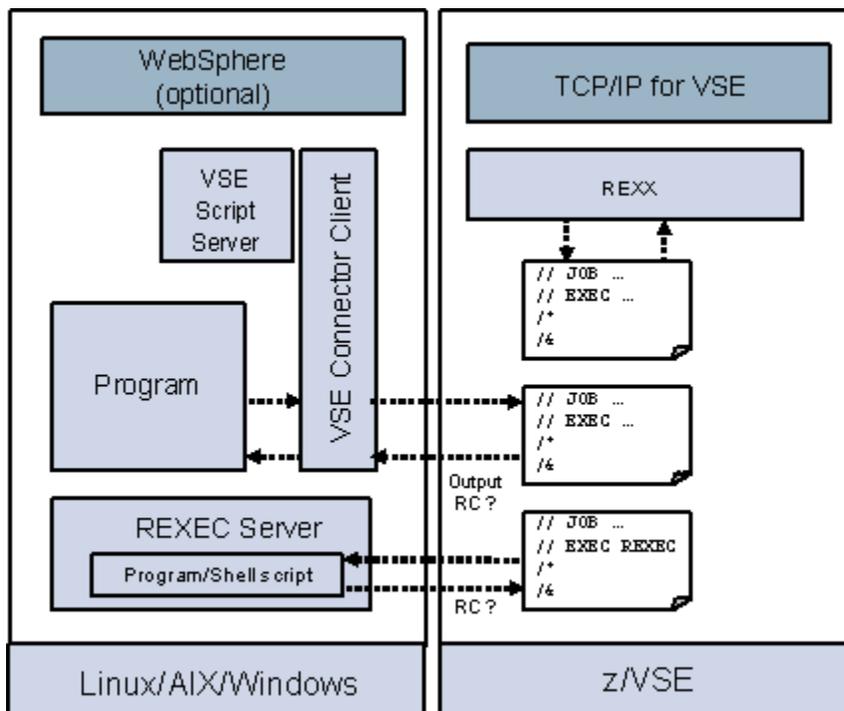


## Job automation using REXX or connectors

In a complex environment automation of processes and jobs helps to increase productivity and reduce human intervention and skill requirement for special process handling.

### Overview



Modern production environments are based on automation of processes and jobs.

With the newest functions in z/VSE, Job automation can be controlled by z/VSE itself or with modern programs on a remote Java environment.

Automation and job scheduling can be done

- on z/VSE using [REXX](#)
- from remote systems using [Java based connectors](#).

The various REXX interfaces to access POWER, VSAM, CICS, TCP/IP, can be used to have an individual JOB scheduling and automation process, even with distributed environments. In this case z/VSE controls the Job flow.

You can also integrate remote processes into z/VSE job streams by using the REXEC function of TCP/IP for z/VSE to control remote programs and get results from them.

Using the Java based connectors, a remote platform can use modern technologies and do job scheduling and automation on z/VSE.

- Job streams can be built dynamically based on user input.
- Output of jobs can be retrieved and processed.
- Further decisions can be taken (i.e. local actions on the remote system, or z/VSE actions like further jobs submission).
- integration of job scheduling and automation with web applications

## Benefits

Dynamic and flexible integration of Jobs and automation possibilities:

- Automation of jobs on the z/VSE system or from remote systems.
- Integration of z/VSE jobs into distributed process flows.
- Integration of remote processes into z/VSE job streams

## Software prerequisites

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 (for remote job automation)
- Linux, Windows, AIX, Unix on remote system
- [Java runtime \(JRE\) or Java developer kit \(JDK\) 1.3 or later](#) (for remote job automation)
- [z/VSE Connector Client](#) installed on remote system (for remote job automation)

**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 with Job automation on z/VSE, [REXX procedures](#) can be developed to handle the Job flow, and resource access or data access.

With Job automation from a remote platform you can start by establishing the infrastructure required:

- On z/VSE: Start the z/VSE Connector Server (STARTVCS - you can find it in your reader queue or in ICCF Lib59 as SKVCSSTJ)
- Install a [Java Developer Kit](#)
- Download the [z/VSE Connector Client](#)
- Install z/VSE Connector Client (using the install scripts provided)
- Use the samples described and commented in the online documentation.

## Additional information

Additional information for this solution scenario can be found:

- [z/VSE e-business connectors User's Guide](#)
- [REXX samples](#)
- [REXX documentation](#)

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## Comments and Questions

Comments or questions on this documentation are welcome. Please send your comments to: [zvse@de.ibm.com](mailto:zvse@de.ibm.com)

