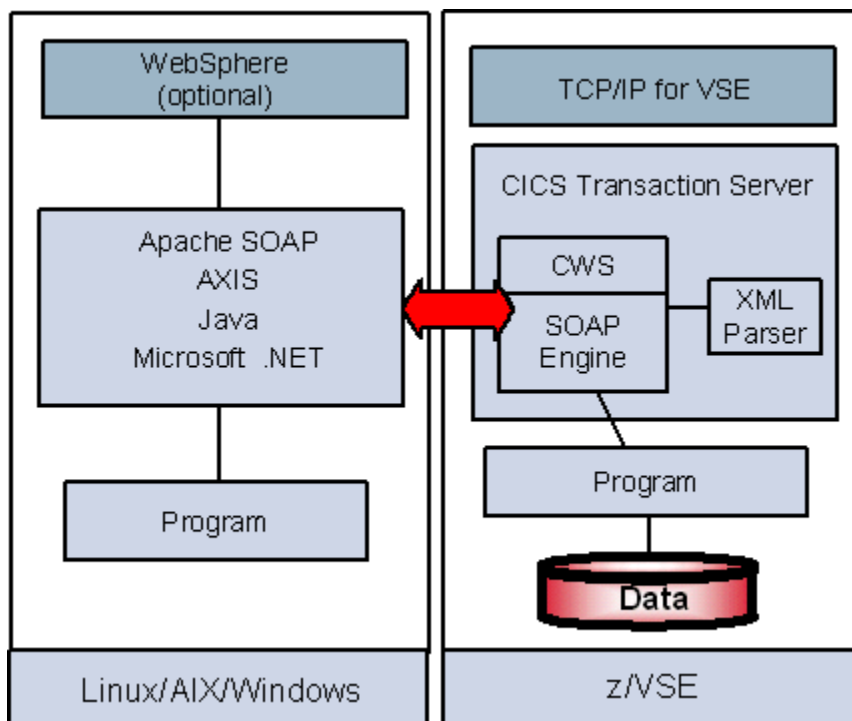


Web Services with z/VSE

Cross platform and cross system process integration is a major goal for today's IT environments. One of the most advanced internet technologies that allow a such integration is the technology called Web Services (SOAP). It allows platform independent programs to communicate and exchange data based on a platform independent data representation.

z/VSE CICS applications can take advantage of this technology.

Overview



Web Services is one of the most modern Internet technologies for program to program communication. With this technology, the invocation of a remote program can be done platform and program language independent, using the Simple Object Access Protocol (SOAP). The data interchange is done in a standard, platform independent format with eXtensible Markup Language (XML).

With the implementation in z/VSE, existing CICS applications can be used as web services. With VSE/ESA 2.7 a [SOAP engine](#) was introduced for z/VSE. The SOAP engine can be used to:

- Invoke CICS Programs as Web Service from a remote system using the SOAP protocol.
- Invoke an external Web Service from within an CICS application using the SOAP protocol.

In addition, an XML Parser is available on z/VSE. It can be used to parse and create XML documents from z/VSE applications.

Benefits

Web Services is a very modern technology and allows a full integration in heterogeneous environments for CICS applications. It makes use of a standard internet architecture.

Distributed processes can be interconnected independent of their operating system or programming language.

A CICS application can call remote processes and also interact as a service provider for remote systems.

An integration with web processes within a web application server.

Software prerequisites

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

- VSE/ESA 2.7 or VSE/ESA 2.6 with PTF UQ81044
- [TCP/IP for VSE/ESA](#)
- CICS Transaction Server 1.1.1 for z/VSE
- A SOAP client or server on the remote platform

How to get started

To get started with Web Services, it is recommended to be familiarized with the concepts like SOAP and XML, and then start with the installation of the z/VSE Connector Client as infrastructure.

- 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 for Web Services.

Additional information

Additional information for this solution scenario can be found:

- [z/VSE e-business connectors User's Guide](#)
- [Redbooks:](#)
 - [WebSphere V5 for Linux on zSeries Connectivity Handbook](#) (SG24-7042)

- [Connectors Workshop 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