



# Licensed Program Specifications

## IBM TCP/IP for z/VSE Version 2 Release 2 Product Number 5686-CS1

IBM® TCP/IP for z/VSE is a native implementation of Transmission Control Protocol/Internet Protocol (TCP/IP) for z/VSE®.

TCP/IP for z/VSE includes a set of applications and such providing the capability to:

- Transfer files between VSE systems and other servers running TCP/IP via the File Transfer Protocol (FTP).
- Logon to VSE applications from PCs or UNIX Workstations using TN3270 Server.
- Logon to other TCP/IP systems directly from a CICS® session using the Telnet Client.
- Print files from other TCP/IP systems on VSE controlled printers using the Line Printer Daemon (LPD) server.
- Print files from VSE on workstation or LAN printers using the LPR client.
- Use the VSE Host as a Web server allowing access to server data for both internal (Intranet) and external (Internet) customers.
- Use the 328x printing capability in a TN3270 environment using the General Print Server (GPS) Feature.
- Write applications using the Application Programming Interfaces (APIs), which are available for a wide variety of programming languages, including S/390® Assembler, PL/I, COBOL, C and REXX/VSE.
- Establish secure connections using the Secure Sockets Layer (SSL) implementation.

TCP/IP for z/VSE is shipped with the IBM z/VSE Version 6 Release 2 base package.

TCP/IP for z/VSE is available as follows:

### TCP/IP for z/VSE Application Pak

The following applications are contained in the TCP/IP for z/VSE Application Pak:

- TN3270 server on VSE Host. Permits PC/workstation users access to VSE applications.

- Telnet/TN3270 client function on VSE Host. Allows to logon to remote hosts from VSE.
- Web server (Hyper Text Transfer Protocol, HTTP, Daemon) on VSE. Allows to use VSE as a web server for a corporate intranet or the Internet.
- File Transfer Protocol (FTP) Client and Server on VSE. Allows to transfer files to or from VSE.
- Line Printer Requestor (LPR) and Line Printer Daemon (LPD) on VSE. Allows to print VSE/POWER reports on any TCP/IP attached printer and to print LAN files on VSE/POWER attached printers.
- Possibility to write/port TCP/IP applications to the VSE host using the Socket interface, that is, Socket APIs are available for Assembler, COBOL, PL/I, C and REXX/VSE.

The GPS feature is not included in the Application Pak.

### General Print Server (GPS) Feature of TCP/IP for z/VSE

The General Print Server (GPS) feature provides users with the ability to transparently map VTAM-based printing to LPR/LPD-based network printers.

With the use of TN3270 the VTAM® printing possibility was lost. The General Print Server (GPS) feature enables the customer to perform the 328x printing capability in a TN3270 environment without requiring to change the application.

The GPS feature of TCP/IP requires a separate product license key and operates with the Application Pak of TCP/IP for z/VSE.

## **Secure Sockets Layer (SSL) for TCP/IP for z/VSEs users**

The Secure Sockets Layer (SSL) implementation enables users to establish secure connections to the z/VSE system, for example, through HTTP and Telnet. The TCP/IP-LE-C API and the EZA socket APIs can be used to write secure applications.

## **Specified Operating Environment**

### **Machine Requirements**

TCP/IP for z/VSE runs on any hardware configuration supported by the z/VSE version you are using.

### **Programming Requirements**

TCP/IP for z/VSE runs under the control of, or in conjunction with, the following IBM licensed programs and their subsequent releases unless otherwise announced by IBM.

### **Required Licensed Programs**

The following licensed programs are required for TCP/IP for z/VSE:

z/VSE Version 6 Release 2 (5686-VS6).

For certain functions of TCP/IP, for example, Telnet, ACF/VTAM for VSE/ESA is required.

The General Print Server (GPS) feature of TCP/IP as part of TCP/IP is available at an additional charge and has to be enabled via a separate product license key. The GPS feature requires the TCP/IP for z/VSE Application Pak.

### **Licensed Program Materials Availability**

Restricted Materials - No.

This licensed program is available in object code without source licensed program materials.

## **Supplemental Terms**

### **Designated Machine Identification**

Designated Machine Identification Required : Yes.

### **Installation/Location License**

Not applicable. A separate license is required for each designated machine on which the licensed program material will be used.

## **Usage Restriction**

TCP/IP for z/VSE is key enabled. A product license key must be used during the TCP/IP startup to use the product.

A separate product license key is necessary to enable the GPS Feature. GPS requires that the TCP/IP for z/VSE Application Pak is installed.

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## **Additional Supplemental Terms**

### **Variable Charges**

Apply: No

### **Distributed Features**

Apply: No

### **Entry End User/370 Attachment**

Applies: No

### **Type/Duration of Program Services**

Central Service, including the IBM Support Center, will be available until discontinued by IBM with a minimum of six months written notice.

## **Warranty**

This program is warranted as specified in the IBM license.

Licensed Program Specifications may be updated from time to time and such updates may constitute a change in specifications.

Following the discontinuance of all program services, this program will be provided "As Is" as specified in the IBM license.

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