



# Software Product Description

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**PRODUCT NAME: HP TP Web Connector V5.0    SPD 64.97.10**

## DESCRIPTION

The HP TP Web Connector is software that web enables business applications running on HP ACMS.

## Features

- Provides the developer with common interfaces to ACMS applications.
- Presents ACMS tasks to the developer as either:
  - Automation objects for access from server side scripts (for example: VBScript, JScript).
  - Callable procedures for access from C or C++ applications (for example: ISAPI).
  - Java objects for access from Java Servlets in web servers
- Converts C, Automation, and Java data types on Windows 2000 and Windows XP Professional to OpenVMS data types as required by ACMS applications.
- Includes a TP Web Connector gateway that communicates with the ACMS Execution Controllers.
- Provides Support for TPware .NET plugin, to take advantage of the .NET Platform

## Application Development Environment

On the client development system, the STD L compiler is used to process the STD L source files and to produce both support software that facilitates client program development and the correct type of stub for the client program. The STD L source files are generated by the ACMS ADU compiler that is supplied with the ACMS product.

## Runtime System

The TP Web Connector runtime system uses ACMS RPC to communicate with tasks on ACMS systems.

The TP Web Connector includes the TP Web Connector gateway. The TP Web Connector gateway executes on OpenVMS systems and allows the TP Web Connector to call ACMS tasks.

## Management Interface

The TP Web Connector provides a graphical user interface to manage the parameters required for communications with tasks running on the TP systems.

## TPware .NET Support

TPware .NET is an interface between the Windows based client applications and the TPware Gateway server, which in turn communicates with the ACMS system. It belongs to the TPware product family and, manages and monitors the ACMS applications from the Windows platform. It has a set of API Client Services that are referenced by the Windows based applications to communicate with the ACMS system on OpenVMS. These API Client Services form the TPware .NET Integration Class Library. The TPware .NET and the TPware Gateway server are the points of contact on the respective Windows and OpenVMS platforms.

Following are the features supported by the TPware .NET framework:

1. Support for Desktop as well as Web based applications using ASP .NET in any of the languages supported by the Microsoft .NET Framework

2. TPware .NET Integration Library components support the Blocking and Forced Non-blocking communication modes.
3. TPware .NET supports the NO I/O mode. In the NO I/O mode, forms are not used and data is passed directly to the ACMS system.

## Documentation

The TP Web Connector provides the following documentation:

- *Getting Started* – describes how to build and manage web applications that use the Automation, C language, or Java interfaces.
- *Installation Guide*— provides information about installing the TP Web Connector product.
- *STDL online help*—provides reference topics on X/Open STDL syntax.
- *Management GUI online help*—describes the management tabs that the Management GUI provides for managing the TP Web Connector.
- *Client Build GUI online help*—describes a graphical user interface that makes it easier to create Automation and C clients.
- *Release Notes*—contains information specific to this release and information added after the production date for the other product documents.

## HARDWARE REQUIREMENTS

The TP Web Connector is supported on X86 systems that can run the Windows XP, Windows 2000 and Windows 2003 operating system.

The TP Web Connector includes software that executes on OpenVMS systems to support the development and execution of web applications that invoke ACMS tasks. This software is supported on:

- All Alpha hardware configurations that run OpenVMS Version 8.2
- All I64 hardware configurations that run OpenVMS version 8.2-1

Refer to the Systems Supported section in the OpenVMS Operating System for Alpha and I64 Software Product Description (SPD 82.35.xx) for list of Alpha and I64 systems that are supported.

## Disk Space Requirements

On Windows XP, Windows 2000 and Windows 2003 client, the required disk space is dependent on the options installed:

### X86 System

Development system	4.2 MB
Runtime system	1.5 MB

The counts for Windows XP, Windows 2000, and Windows 2003 refer to the disk space required on the disk on which TP Web Connector is installed. The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

For the OpenVMS backend server, the required disk space is dependent on the options installed:

	Alpha	I64
TP Web Connector gateway	821 blocks	1,643 blocks
Samples	33 blocks	32 blocks

The counts for OpenVMS refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

## SOFTWARE REQUIREMENTS

### TP Web Connector with ACMS

Software required on all Windows XP, Windows 2000, and Windows 2003 systems that are running TP Web Connector and calling ACMS tasks:

- One of the following Windows operating systems:
  - Windows 2000 Service Pack 2 or higher
  - Windows XP Professional
- If using the Java interface, one of the following environments:
  - Sun Microsystems Java Development Kit (JDK) Java 2 Version 1.4.2.
  - Java Visual J++ 6.0
- If used with a web server:
  - Microsoft Internet Information Server (IIS)

Additional software is required on all supported Windows systems that are used for development with the TP Web Connector:

- Microsoft Visual C++ Version 6.0

To use the TP Web Connector, appropriate versions of ACMS software and the OpenVMS operating system software are required on the OpenVMS system. See the following table for the supported versions of ACMS for each version of OpenVMS:

OpenVMS	ACMS
Alpha V8.2	V5.0
I64 V8.2-1	V5.0

- Systems used to extract STDL definitions for ACMS tasks that will be called from the TP Web Connector (if ACMS tasks are to be called) require the ACMS Development kit.
- If ACMS tasks are to be invoked, at least one node of the network requires the ACMS Development kit or Runtime kit.
- Systems used to execute the TP Web Connector gateway (if ACMS tasks are to be called) require supported versions of the OpenVMS operating system and networking software as follows:

— TCP/IP Services for OpenVMS. See the following table for supported versions of TCP/IP Services for each version of OpenVMS:

OpenVMS	TCP/IP Services
Alpha V8.2	V5.5
I64 V8.2-1	V5.5

— If the ACMS tasks are executing on a different system from the TP Web Connector gateway, an appropriate version of DECnet must be running on that system. See the following table for supported versions of DECnet and DECnet-Plus for each version of OpenVMS:

OpenVMS	DECnet	DECnet-Plus <sup>1</sup>
Alpha V8.2	V8.2	V8.2
I64 V8.2-1	V8.2-1	V8.2-1

<sup>1</sup>When using DECnet-Plus, the Transport Layer must be configured to use the Network Services Protocol (NSP), as ACMS restricts node names to a maximum of six characters.

## SOFTWARE LICENSING INFORMATION

This software is furnished only under a license. For more information about HP's licensing terms and policies, contact your local HP office.

## OPTIONAL SOFTWARE

If using the Automation interface, any desktop tool or Microsoft Office product that supports Automation.

If using the Java interface, any Java Integrated Development Environment (IDE) compatible with Sun Microsystems Java Development Kit (JDK) Java 2 Version 1.4.2 or Microsoft Visual J++ Version 6.0.

## GROWTH CONSIDERATIONS

The minimum hardware/software requirements for any future version of this product may be different from the requirements for the current version.

## DISTRIBUTION MEDIA

This product can be downloaded from the TP Web Connector page on the HP website [www.hp.com](http://www.hp.com).

## SOFTWARE WARRANTY

This software is provided by HP with a 90 day conformance warranty in accordance with the HP warranty terms applicable to the license purchase.

## ORDERING INFORMATION

A valid ACMS product license provides the right to use the TP Web Connector product. A separate license is not required. The media and documentation is only available by internet download.

## SOFTWARE PRODUCT SERVICES

A variety of service options are available from HP. For more information, contact your local HP office.

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**SPD 64.97.10**

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