

Web-to-Host



Application Brief

In the IBM environment, **Web-to-Host** generally refers to the capability, for a browser-based system, to execute -via the Web- 3270 applications without changing anything in these applications.

With VIRTEL
3270 applications
are web-enabled
in a matter of
hours

VIRTEL Web-to-Host allows users to improve the look & feel of 3270 applications on a browser without re-programming. A library of scripts enables functions such as clickable PFkeys, pull-down or pop-up menus triggered by 3270 fields' values and the personalisation of the HTML page background to include a logo, special colours, etc.

The scripts are loaded for immediate access by VIRTEL and executed if the client is a browser.

Syspertec's Approach

Syspertec transfers the full power of an IBM zSeries' or S/390's CICS or IMS system to the Internet with one of the most elegant and cost-effective approaches for Web-enabling 3270 applications.

Our Web-to-Host solution is unique and stands out through the **combination** of three key characteristics:

- **ultra-thin client**: nothing to install on top of a standard browser, no Java, no plug-in.
- **no middleware** required (but Web-to-Zed supports external middleware processes when necessary)
- **no modification** to 3270 applications, nor to 3287 printing; no special development.

We achieve this feat by installing **VIRTEL™**, our flagship product, on the IBM mainframe and by setting some **VIRTEL** parameters appropriately. This operation takes about two hours, including testing. **VIRTEL** acts as an HTTP server to perform all necessary protocol conversions on the fly and transparently from the users.

VIRTEL has been in operation since 1988 in mission-critical applications that span, today, over 300 reference sites in France and abroad. Its robustness is proven in very demanding environments such as banking: in France, **VIRTEL** powers daily over a million credit card, ATM or similar transactions.

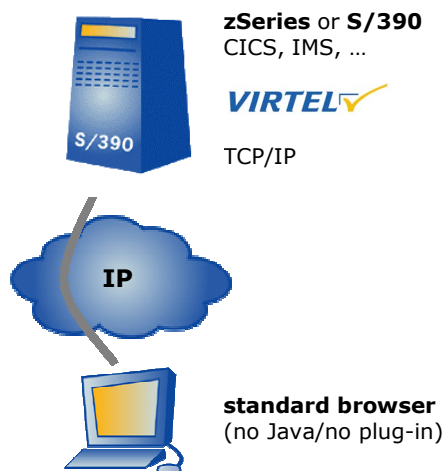
Benefits

Because **VIRTEL Web-to-Host** is a **simple and immediate** web-to-host solution, it allows your company to save substantial **time and money** in the process of leveraging the considerable investments made over years into your IBM or compatible mainframe.

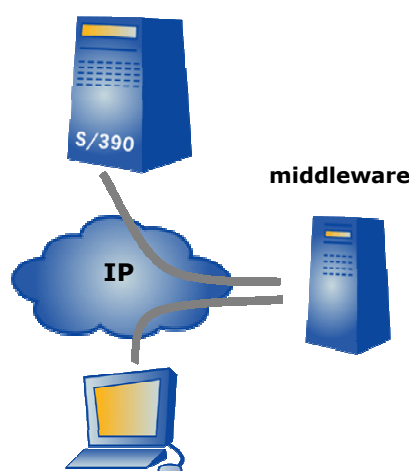
The implementation of **VIRTEL** offers you:

- the **power, reliability and robustness** of the zSeries or S/390 mainframe where it is installed
- the **performance** of these systems' assembler language (**VIRTEL** is 100% OS/390 Assembler)
- the high **throughput** of real-time protocol conversions in a bottleneck-free, two-tier network architecture (no middle-ware required)
- the complete **integrity** of all 3270 applications that don't require any modification or addition
- the **immediate and universal** access to these 3270 applications from a standard browser for regular and casual users within a company and -via extranet- outside the company (no need to install and maintain special software on multiple, dispersed PCs)
- the integrated **systems management** advantages of a centralised solution
- the complete spectrum of **security** systems for communications and

2-tier architecture



3-tier architecture



MAIN SPECIFICATIONS:

- Pre-requisite: z/OS or OS/390 MVS or VSE and TCP/IP
- 3270 applications (CICS, IMS,..)
- Full LU2 interface management