Serve host applications
as web pages or web services over TCP/IP connections

virtel
WEB SUITE

Virtel is a comprehensive web-enablement technology that serves legacy host applications such as CICS, IMS, Natural or TSO as web pages or web services over TCP/IP connections. Web-enabling extends the relevance and investment of critical legacy systems.
It is more cost-effective and provides earlier ROI than redeveloping, replacing, or re-hosting.

VIRTEL WEB ACCESS

Extends host applications to thin-client web browsers over secure IP connections while retaining their familiar 3270 screen user interface:

- Nothing to install or support outside the host
- Instant deployment: simply point the clients' web browsers to the predefined URL
- Works with any browser or platform including mobile devices (smartphones and tablets), Apple products, and new versions of Windows
- Recommended for BYOD, VDI and DR initiatives, and to replace client-based 3270 TE.
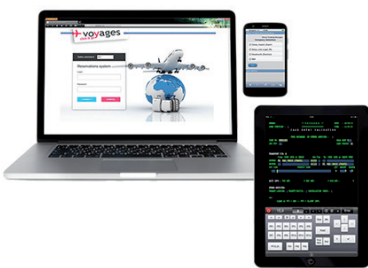
VIRTEL WEB MODERNISATION

Serves host transactions as user-friendly web pages (GUIs) that provide a genuine web experience:

- Assisted data entry: checkboxes, dropdown lists, graphical calendars, auto-suggest, auto-complete...
- New Ajax-based application features: suggest, auto-complete, PDF generation, email...
- New layout and workflow: screen consolidation, tab navigation, collapsible sections...
- Can serve different presentations to different users (3270 TE, WUI/GUI, mobile UI) concurrently.

VIRTEL WEB INTEGRATION

Creates interactive bidirectional connections that integrate host and server applications, e.g. RESTful XML or JSON over HTTP, SOAP and MQ message services that consume 3270 transactions.
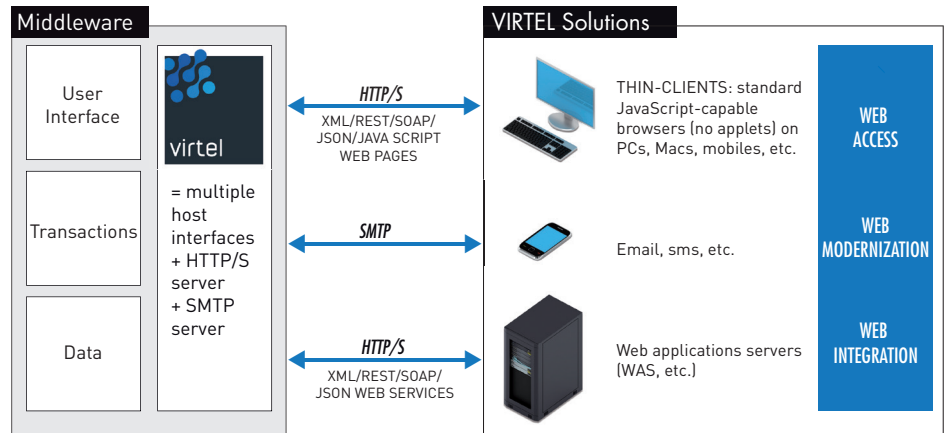
KEY FEATURES :

❶ Serves 3270 transactions as web pages or web services

❷ Nothing to install or support outside the host

❸ Instant deployment: point web browsers to a predefined URL

❹ Works with any browser or platform (mobile devices, Apple products, Windows...)

❺ Concurrently serves different presentations to different users (3270 TE, WUI/GUI, mobile UI)

❻ Supports any protocol and format: RESTful, XML, JSON, SOAP, MQ Series, etc.

❼ Low impact and low risk: no application or server change

❽ High performance and small host footprint for highly scalable solutions

❾ Simple host-centric configuration and support for low TCO and early ROI

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DESIGN PRINCIPLES

Virtel's architecture relies upon the following design principles:

· Shorter instruction paths result in superior performance, efficiency, and scalability,
· Fewer components or layers result in simpler and stronger connections,
· Strict use of open standards results in increased solutions longevity.

ARCHITECTURE

Virtel is an agile middleware to connect host applications to the Web. It interfaces with:

· Host applications via their 3270 screens or COMMAREA
· The Web via HTTP/S, SMTP, or custom IP connections.

Virtel converts host application data into rich web pages and standardized web services.

THE MAINFRAME - FRONT AND CENTER

How to keep the mainframe front and center as the platform of choice for core business transaction serving with ever-growing mainframe costs and the need to integrate with web technology?
By deploying Virtel's innovative web-enablement and transaction processing solutions.

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