



# Serve host transactions as user-friendly web pages (GUIs) for a genuine web experience

virtel

WEB MODERNISATION



Virtel helps generate new revenues and reduce costs by extending legacy host applications in self-service mode to partners, clients, consumers, and new or temporary staff..

## PRODUCT HIGHLIGHTS

Virtel makes it simple and fast to serve CICS, IMS, Natural and other host transactions as user-friendly web pages (GUIs) that deliver a genuine web experience through:

- Assisted data entry: checkboxes, dropdown lists, graphical calendars, and more
- New Ajax-based application features: suggest, auto-complete, PDF generation, email, and more
- New layout and workflow: screen consolidation, tab navigation, collapsible sections and more.

The same transaction can be served concurrently to different users with different layouts – classic 'green screen', full-size GUI, or mobile accordion. Legacy application code doesn't have to be changed. Virtel extends the relevance of - and investment in - legacy host applications.

## TYPICAL APPLICATIONS

Typical Virtel Web Modernisation applications include:

- **UI modernisation:** creates modern user friendly GUIs from legacy screen UIs
- **UI consolidation:** integrates host and web applications UIs seamlessly into a single GUI to eliminate toggling between screens and web pages
- **Staff productivity:** reduces training requirements for new and temporary staff
- **Self-service:** gives clients and partners self-service access to select transactions
- **Consumer outreach and mobile access:** extends products and services to mobile devices (Smartphones, PDAs, tablets, etc) to reach consumer market
- **Cloud integration:** integrates host transactions and data with Cloud GUIs
- **GUI technology improvement:** replaces underperforming IBM HATS applications and outdated screen scrapers without impacting users or applications.

## ▶ KEY FEATURES :

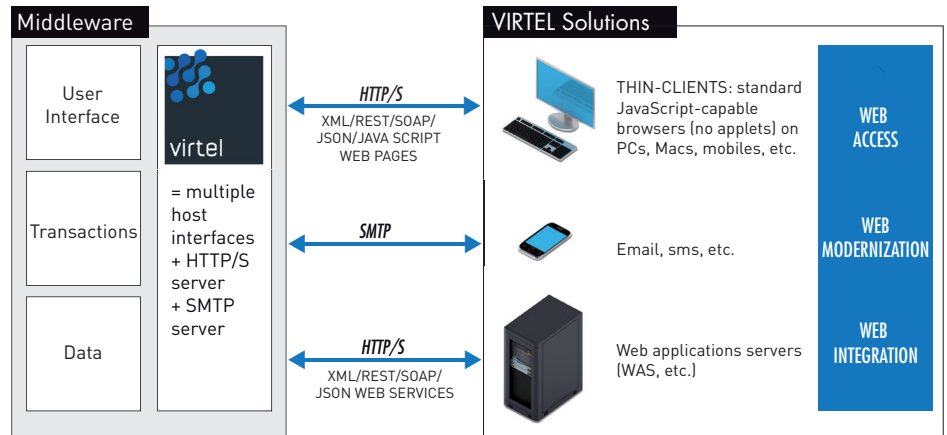
- ❶ Serves 3270 transactions as web pages or web services
- ❷ Nothing to install or support outside the host
- ❸ Instant deployment: point web browsers to a predefined URL
- ❹ Works with any browser or platform (mobile devices, Apple products, Windows...)
- ❺ Concurrently serves different presentations 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

## 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.

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## 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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