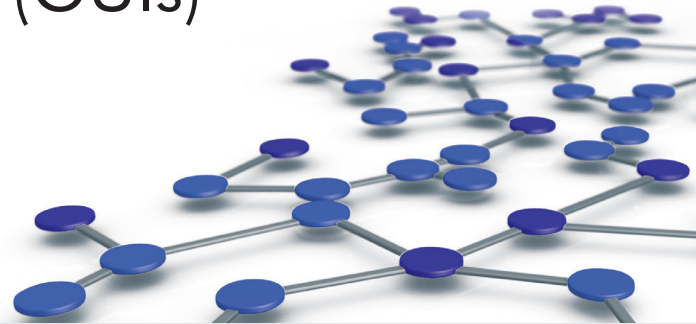


Serve host transactions as user-friendly web pages (GUIs) that create a genuine web experience



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 Modernization applications include:

- **UI modernization:** 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- **GUI technology improvement:** replaces underperforming IBM HATS applications and outdated screen scrapers without impacting users or applications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:

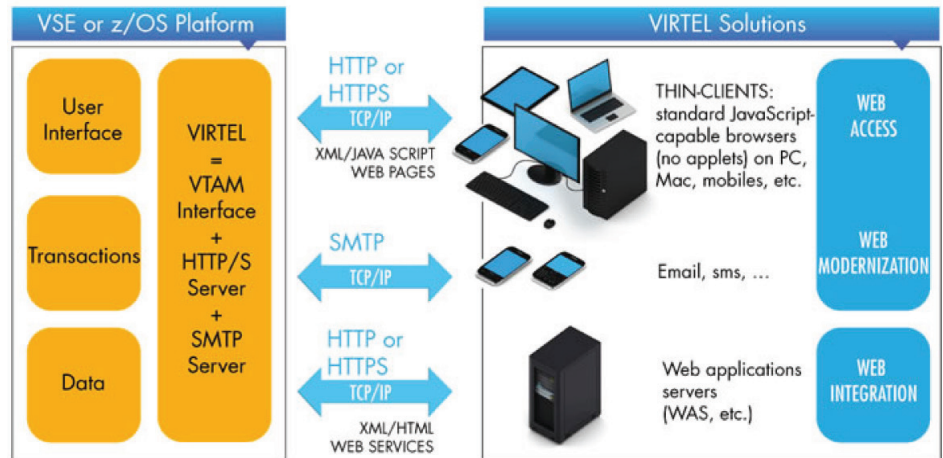
- Serves 3270 transactions as web pages or web services
- Nothing to install or support outside the host
- Instant deployment: simply point the client's web browsers to a predefined URL
- Works with any browser or platform including mobile devices (smartphones, tablets), Apple products, and new versions of Windows
- Concurrently serves different presentations to different users (3270 TE, WUI/GUI, mobile UI)
- Supports any web service protocol and format: RESTful, XML, JSON, SOAP, MQ Series, etc.
- Low impact and low risk: no application or transaction server change
- High performance and small host footprint result in highly scalable solutions
- Simple host-centric configuration and support result in low TCO and early ROI

DESIGN PRINCIPLES

The architecture of VIRTEL 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:

- Virtel Web Suite turns legacy mainframe applications into modern web applications.
- Virtel KIX Suite reduces the cost of CICS/TS transactions while improving their performance.

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